Table of Contents

Undergraduate Catalog 7
Academic Calendar 9
The University 13
UIC Background and Accreditation 13
Undergraduate Student Resources 14
Faculty List 17
Admissions, Registration & Finances 37
Admissions 37
Financial Aid 40
Registering and Enrolling in Courses 41
Student Tuition, Fees, and Assessments 47
Degree Programs and Requirements 54
Degree Program and Minor List 54
Academic Standing 67
Academic Planning and Progress 78
General Education 83
University Degree Requirements, Graduation, and Commencement 100
Colleges & Departments 104
College of Applied Health Sciences 104
Biomedical and Health Information Sciences 111
BS in Health Information Management 112
Minor in Health Information Management 114
Minor in Life Science Visualization 115
Disability and Human Development 116
BS in Disability and Human Development 116
Minor in Disability and Human Development 117
Certificate in Co-operative Career Experience 118
Kinesiology and Nutrition 118
BS in Kinesiology 120
BS in Nutrition, Nutrition Science Concentration 121
Minor in Food Science 123
Minor in Kinesiology 124
Minor in Nutrition 124
Rehabilitation Sciences 125
BS in Rehabilitation Sciences 125
Preprofessional Studies 127
Pre-Health Information Management 127
Pre-Occupational Therapy 128
Pre-Physical Therapy 129
College of Architecture, Design, and the Arts 129
School of Architecture 136
BS in Architecture 137
BA in Architectural Studies 138
Minor in Architectural Studies 139
School of Art & Art History 139
BFA in Art 141
BFA in Art Education 142
BA in Art History 144
BA in Interdisciplinary Education in the Arts 147
Minor in Art 149
Minor in Art History 149
Minor in Museum and Exhibition Studies 149
School of Design 150
BA in Design Studies 150
BDes in Graphic Design 152
BDes in Industrial Design 154
School of Theatre and Music 155
BA in Music 156
BA in Music Business 159
BMus in Performance 161
BMus in Jazz Studies 164
BMus in Music Education 166
BA in Theatre and Performance 168
BA in Theatre Design, Production, and Technology 171
BFA in Acting 173
Minor in Music 175
Minor in Theatre 176
College of Business Administration 176
Accounting 186
BS in Accounting 187
Finance 188
BS in Finance 188
Information and Decision Sciences 190
BS in Information and Decision Sciences 190
Managerial Studies 192
BS in Entrepreneurship 193
BS in Human Resource Management 193
BS in Management 194
Marketing 195
BS in Marketing 195

Minor in Mechanical Engineering 292
Minor in Industrial Engineering 292
Additional Interdisciplinary Opportunities 293
Minor in International Studies 293
Honors College 293
College of Liberal Arts and Sciences 297
Anthropology 313
BA with a Major in Anthropology 313
Minor in Anthropology 314
Minor in Global Middle East Studies 315
Certificate in Medical Humanities 315
Biochemistry 315
BS in Biochemistry 316
Biological Sciences 318
BS with a Major in Biological Sciences—Evolution, Ecology, and Environmental Biology Concentration 318
BS with a Major in Biological Sciences—General Biology Concentration 320
BS with a Major in Biological Sciences—Molecular, Cellular, and Organismal Biology Concentration 322
Minor in Biological Sciences 324
Black Studies 324
BA with a Major in Black Studies 324
Minor in Black Studies 326
Chemistry 327
BA with a Major in Chemistry 328
BS in Chemistry 329
Minor in Chemistry 331
Classics and Mediterranean Studies 331
BA with a Major in Classical Studies 332
Minor in Arabic 333
Minor in Classical Studies 334
Communication 334
BA with a Major in Communication 334
Minor in Communication 336
Criminology, Law, and Justice 336
BA with a Major in Criminology, Law, and Justice 336
Minor in Criminology, Law, and Justice 337
Minor in Law and Society 338
Earth and Environmental Sciences 338
BS with a Major in Earth and Environmental Sciences 338
Minor in Earth and Environmental Sciences 340
Economics 340
BA with a Major in Economics 341
Minor in Economics 343
English 343
BA with a Major in English 343
BA in the Teaching of English 349
Minor in English 350
Minor in Logic, Argumentation, and Writing 350
Minor in Professional Writing 351
Minor in the Teaching of English 351
French and Francophone Studies 351
BA with a Major in French and Francophone Studies 352
BA in the Teaching of French 353
Minor in French and Francophone Studies 355
Gender and Women's Studies 355
BA with a Major in Gender and Women’s Studies 356
Minor in Gender and Women's Studies 358
Minor in Social Justice 358
Germanic Studies 359
BA with a Major in Germanic Studies 359
BA in the Teaching of German 360
Minor in Germanic Studies 362
Certificate in German Language 362
Global Asian Studies 362
BA with a Major in Global Asian Studies 363
Minor in Global Asian Studies 365
Hispanic and Italian Studies 365
BA with a Major in Spanish 366
BA with a Major in Spanish, Concentration in Spanish for the Professions 367
BA in the Teaching of Spanish 368
Minor in Spanish 370
Minor in Spanish for the Professions 370
Minor in Italian and Italian American Studies 371
Certificate for Academic Spanish for Heritage Speakers 371
History 371
BA with a Major in History 372
BA in the Teaching of History 373
Minor in History 375
Integrated Health Studies 375

Doctor of Pharmacy 448
School of Public Health 450
BA in Public Health 456
BS in Public Health 458
Joint Degrees 459
Minor in Public Health 460
Preprofessional Studies 461
College of Urban Planning and Public Affairs 463
Public Policy, Management, and Analytics 467
BA in Public Policy 468
Joint Degrees 471
Minor in Civic Analytics 472
Minor in Nonprofit Management 472
Minor in Public Policy 473
Urban Planning and Policy 473
BA in Urban Studies 474
Joint Degrees 477
Minor in Geographic Information Systems 478
Minor in Sustainable Cities 478
Minor in Urban Studies 479
Council on Teacher Education 479
Undergraduate Course Descriptions 480
Academic Skills Program (ASP) 481
Accounting (ACTG) 482
Anatomy and Cell Biology (ANAT) 483
Anthropology (ANTH) 484
Applied Health Sciences (AHS) 489
Arabic (ARAB) 490
Architecture (ARCH) 491
Art (ART) 493
Art History (AH) 497
Biochemistry and Molecular Genetics (BCMG) 502
Biological Sciences (BIOS) 503
Biomedical and Health Information Sciences (BHIS) 506
Biomedical Engineering (BME) 507
Biopharmaceutical Sciences (BPS) 510
Biostatistics (BSTT) 511
Black Studies (BLST) 511
Business Administration (BA) 514
Campus Courses (CC) 515
Catholic Studies (CST) 516
Central and Eastern European Studies (CEES) 516
Chemical Engineering (CHE) 517
Chemistry (CHEM) 520
Chinese (CHIN) 524
Civil, Materials, and Environmental Engineering (CME) 524
Classics (CL) 529
Communication (COMM) 531
Community Health Sciences (CHSC) 536
Computer Science (CS) 537
Criminology, Law, and Justice (CLJ) 541
Curriculum and Instruction (CI) 544
Design (DES) 546
Dialogue (DLG) 549
Disability and Human Development (DHD) 549
Earth and Environmental Sciences (EAES) 551
Economics (ECON) 553
Education (ED) 555
Educational Policy Studies (EDPS) 559
Educational Psychology (EPSY) 559
Electrical and Computer Engineering (ECE) 563
Engineering (ENGR) 566
English (ENGL) 568
English Language and Support for Internationals (ELSI) 577
Entrepreneurship (ENTR) 581
Finance (FIN) 582
French (FR) 584
Gender and Women's Studies (GWS) 587
Geography (GEOG) 591
Germanic Studies (GER) 592
Global Asian Studies (GLAS) 595
Greek, Ancient (GKA) 598
Greek, Modern (GKM) 598
Guaranteed Admissions Medicine (GAMD) 599
Health Information Management (HIM) 599
Hebrew (HEB) 601
Hindi-Urdu (HNUR) 601
History (HIST) 602
Honors College Courses (HON) 610
Human Nutrition (HN) 612
Humanities (HUM) 614
Industrial Engineering (IE) 614
Information and Decision Sciences (IDS) 616
Information Technology (IT) 619

Undergraduate Catalog

Publication Information

The Undergraduate Catalog is published annually for informational purposes only and does not constitute a contract. The information is current at the time of publication. Faculty assignments and programs listed are subject to change, and individual departments and units should be consulted for further information. Courses listed in this publication are subject to revision without advance notice. Courses are not necessarily offered each term or each year. Individual departments or units should be consulted for information regarding regularity of course offerings.

Volume 47, May 15, 2024

Office of the Vice Provost for Academic Programs and Effectiveness
University of Illinois Chicago
601 South Morgan Street
Chicago, Illinois 60607

The catalog includes a comprehensive list of Degree Programs and Minors (p. 54) by college. This list is a useful tool for exploring and understanding UIC's undergraduate academic programs and requirements.

The catalog is updated regularly as degree programs, courses, and requirements change. A list of the most recent program and requirement changes is located on the Program Changes and Updates page.

The Undergraduate Catalog is archived in late summer each year and, along with older catalogs, is available in the Archive and Links section.

The Undergraduate Course Descriptions section lists all the undergraduate courses at UIC. However, not all courses are offered during a given semester. Students will find current course offerings in the Schedule of Classes, which is published online before registration begins. The course descriptions are arranged alphabetically by subject area. Each course description includes a rubric (subject area abbreviation), course number, course title, semester hours, prerequisites (if any), and course content.

Nondiscrimination Statement

The commitment of the University of Illinois System to the most fundamental principles of academic freedom, equality of opportunity, and human dignity requires that decisions involving students and employees be based on individual merit and be free from invidious discrimination in all its forms.

The University of Illinois System will not engage in discrimination or harassment against any person because of race, color, religion, sex, national origin, ancestry, age, marital status, order of protection status, genetic information, disability, pregnancy, sexual orientation including gender identity, unfavorable discharge from the military or status as a protected veteran and will comply with all federal and state nondiscrimination, equal opportunity and affirmative action laws, orders and regulations. This nondiscrimination policy applies to admissions, employment, access to and treatment in the programs and activities of the University of Illinois System.

Complaint and grievance procedures provide employees and students with the means for the resolution of complaints that allege a violation of this Statement. Members of the public should direct their inquiries or complaints to the appropriate equal opportunity office.

Revised November 12, 2020

Chancellor's Statement of Commitment to Persons with Disabilities

Guided by the belief that people with disabilities are assets to the university, UIC is committed to full inclusion and participation of people with disabilities in all aspects of university life. We seek to provide an academic, social, and physical environment that makes disabled people integral to the diversity of perspectives that is vital to an academic community.

UIC supports the principles of universally accessible design, alternative communication formats, and the expression of disability community and pride. At all levels of the university, UIC promotes equal opportunity, fair treatment, and the elimination of barriers for qualified individuals with disabilities.

Office for Access and Equity

UIC is committed to providing and preserving an educational and work environment free from all forms of sex discrimination, sexual harassment and other sexual misconduct (collectively referred to as "sexual misconduct"). UIC prohibits and will not tolerate sexual misconduct of or by students, employees, patients, applicants for enrollment or employment, or others in its education programs or activities.

Please visit the UIC Sexual Misconduct website for more information on the policy statement, the sexual misconduct grievance process, and how to report an incident.

To report sexual misconduct to the university or for additional information or assistance with the equal opportunity, affirmative action, and harassment policies and procedures of the University of Illinois Chicago, please contact:

Office for Access and Equity
Title IX Coordinator, titleix@uic.edu
ADA Coordinator, oaeada@uic.edu (titleix@uic.edu)
717 Marshfield Building (MC 602)
809 South Marshfield Avenue
Chicago, Illinois 60612-7207
http://oae.uic.edu
(312) 996-8670

To make a complaint to the U.S. Department of Education, contact:

U.S. Department of Education
Office for Civil Rights - Chicago Office
John C. Kluczynski Federal Building
230 S. Dearborn Street, 37th Floor
Chicago, IL 60604
(312) 730-1560
ocr.chicago@ed.gov

Public Formal Grievance Procedures University of Illinois Chicago

I. Introduction

These procedures have been implemented to address complaints of discrimination on the basis of age and/or disability in any activity, policy,

Academic Calendar

Semester Beginning, Ending, and Degree Dates
Administrative Calendar with Add/Drop Deadlines

2023-2024 Academic Calendar

Date	Event
Fall Semester 2023	
August 21, M	Instruction begins.
September 4, M	Labor Day holiday. No classes.
October 13, F	Eight-week Part of Term A ends.
October 16, M	Eight-week Part of Term B begins.
November 23–24, Th–F	Thanksgiving holiday. No classes.
December 1, F	Instruction ends.
December 4–8, M–F	Final examinations.
December 13, W	Instructor grading deadline for 16-week courses (5 p.m.)
December 18, M	Grades available via my.UIC.edu
Spring Semester 2024	
January 8, M	Instruction begins.
January 15, M	Martin Luther King Jr. Day. No classes.
March 1, F	Eight-week Part of Term A ends.
March 4, M	Eight-week Part of Term B begins.
March 18-22, M-F	Spring vacation. No classes.
April 26, F	Instruction ends.
April 29-May 3, M-F	Final examinations.
May 8, W	Instructor grading deadline for 16-week courses (5 p.m.)
May 13, M	Grades available via my.UIC.edu
Summer Sessions 2024	
Summer Session 1 (4-week session)	
May 13, M	Instruction begins.
May 27, M	Memorial Day holiday. No classes.
June 6, Th	Instruction ends for Summer Session 1.
June 7, F	Final examinations for Summer Session 1.
Summer Session 2 (8-week session)	
June 10, M	Instruction begins.
June 19, W	Juneteenth holiday. No classes.
July 4, Th	Independence Day holiday. No classes.
July 31, W	Instruction ends for Summer Session 2.
August 1-2, Th-F	Final examinations for Summer Session 2.

2024-2025 Academic Calendar

Date	Event
Fall Semester 2024	
August 26, M	Instruction begins.
September 2, M	Labor Day holiday. No classes.
October 18, F	Eight-week Part of Term A ends.
October 21, M	Eight-week Part of Term B begins.
November 27, W	Student Wellness Day. No Classes.[a]
November 28–29, Th–F	Thanksgiving holiday. No classes.
December 6, F	Instruction ends.
December 9–13, M–F	Final examinations.
December 18, W	Instructor grading deadline for 16-week courses (5 p.m.)
December 23, M	Grades available via my.UIC.edu
Spring Semester 2025	
January 13, M	Instruction begins.
January 20, M	Martin Luther King Jr. Day. No classes.
March 7, F	Eight-week Part of Term A ends.
March 10, M	Eight-week Part of Term B begins.
March 24-28, M-F	Spring vacation. No classes.
May 2, F	Instruction ends.
May 5-9, M-F	Final examinations.
May 14, W	Instructor grading deadline for 16-week courses (5 p.m.)
May 19, M	Grades available via my.UIC.edu
Summer Sessions 2025	
Summer Session 1 (4-week session)	
May 19, M	Instruction begins.
May 26, M	Memorial Day holiday. No classes.
June 12, Th	Instruction ends for Summer Session 1.

January 18, M	Martin Luther King Jr. Day. No classes.
March 5, F	Eight-week Part of Term A ends.
March 8, M	Eight-week Part of Term B begins.
March 22-26, M-F	Spring vacation. No classes.
April 30, F	Instruction ends.
May 3-7, M-F	Final examinations.
May 12, W	Instructor grading deadline for 16-week courses (5 p.m.)
May 17, M	Grades available via my.UIC.edu
Summer Sessions 2027	
Summer Session 1 (4-week session)	
May 17, M	Instruction begins.
May 31, M	Memorial Day holiday. No classes.
June 10, Th	Instruction ends for Summer Session 1.
June 11, F	Final examinations for Summer Session 1.
Summer Session 2 (8-week session)	
June 14, M	Instruction begins.
June 18, F	Juneteenth holiday. No classes.
July 5, M	Independence Day holiday. No classes.
August 4, W	Instruction ends for Summer Session 2.
August 5-6, Th-F	Final examinations for Summer Session 2.

a *Exceptions for School of Law students; College of Medicine students completing clinical clerkships; College of Pharmacy students completing clinical instruction courses and other students taking those courses. Students should check their syllabus for exceptions.*

2027-2028 Academic Calendar

Date	Event
Fall Semester 2027	
August 23, M	Instruction begins.
September 6, M	Labor Day holiday. No classes.
October 15, F	Eight-week Part of Term A ends.
October 18, M	Eight-week Part of Term B begins.
November 24, W	Student Wellness Day. No Classes.[a]
November 25–26, Th–F	Thanksgiving holiday. No classes.
December 3, F	Instruction ends.
December 6–10, M–F	Final examinations.
December 15, W	Instructor grading deadline for 16-week courses (5 p.m.)
December 20, M	Grades available via my.UIC.edu
Spring Semester 2028	
January 10, M	Instruction begins.
January 17, M	Martin Luther King Jr. Day. No classes.
March 3, F	Eight-week Part of Term A ends.
March 6, M	Eight-week Part of Term B begins.
March 20-24, M-F	Spring vacation. No classes.
April 28, F	Instruction ends.
May 1-5, M-F	Final examinations.
May 10, W	Instructor grading deadline for 16-week courses (5 p.m.)
May 15, M	Grades available via my.UIC.edu
Summer Sessions 2028	
Summer Session 1 (4-week session)	
May 15, M	Instruction begins.
May 29, M	Memorial Day holiday. No classes.
June 8, Th	Instruction ends for Summer Session 1.
June 9, F	Final examinations for Summer Session 1.
Summer Session 2 (8-week session)	
June 12, M	Instruction begins.
June 19, M	Juneteenth holiday. No classes.
July 4, T	Independence Day holiday. No classes.
August 2, W	Instruction ends for Summer Session 2.
August 3-4, Th-F	Final examinations for Summer Session 2.

a *Exceptions for School of Law students; College of Medicine students completing clinical clerkships; College of Pharmacy students completing clinical instruction courses and other students taking those courses. Students should check their syllabus for exceptions.*

2028-2029 Academic Calendar

Date	Event
Fall Semester 2028	
August 21, M	Instruction begins.
September 4, M	Labor Day holiday. No classes.

The University

- UIC Background and Accreditation (p. 13)
- Undergraduate Student Resources (p. 14)
- Faculty List (p. 17)

UIC Background and Accreditation

Mission, History, and Leadership

To learn more about the University of Illinois Chicago's mission, history, and leadership, please visit the UIC website.

Accreditation

"Accreditation" is review of the quality of higher education institutions and programs. It provides the recognition that an institution maintains standards requisite for its graduates to gain admission to other reputable institutions of higher learning or to achieve credentials for professional practice. The federal and state governments require institutions, colleges, and or programs to be accredited in order for their students to be eligible for grants, loans, or other funds. The goal of accreditation is to ensure that education provided by institutions of higher education meets acceptable levels of quality.

There are two basic types of educational accreditation: "institutional", and "specialized", or "programmatic". Institutional accreditation validates the quality of an institution as a whole and evaluates multiple aspects of an institution, including its academic offerings, governance and administration, mission, finances, and resources. Specialized accreditation applies to the evaluation of specific programs, departments, or schools which usually are parts of a total collegiate or other postsecondary institution. The unit accredited may be as large as a college or school within a university, or as small as a curriculum within a discipline. Most of the specialized accrediting agencies review units within a postsecondary institution, which is accredited by an institutional accrediting commission. All "recognized" accrediting organizations have been reviewed for quality by the Council for Higher Education Accreditation (CHEA) or the United States Department of Education (USDE).

The University of Illinois Chicago maintains its institutional accreditation with the Higher Learning Commission (HLC), which is recognized by both CHEA and the USDE. HLC is located at:

The Higher Learning Commission (HLC)
230 South LaSalle Street, Suite 7-500
Chicago, Illinois 60604-1411
(312) 263-0456
info@hlcommission.org
https://www.hlcommission.org

The Higher Learning Commission is recognized by the U.S. Department of Education (USDE) and the Council for Higher Education Accreditation (CHEA). The next comprehensive evaluation for reaffirmation of accreditation of UIC is scheduled for 2033-2034. Verification of accreditation status is available in the Office of the Chancellor (312) 413-3350 and at the HLC website.

The undergraduate academic degree programs described in this catalog have been approved by:

The Illinois Board of Higher Education
1 North Old State Capitol Plaza, Suite 333
Springfield, Illinois 62701-1377
(217) 782-2551, (888) 261-2881 (TTY)
General Information: info@ibhe.org, http://www.ibhe.org
Institutional Complaint Hotline: (217) 557-7359, http://complaints.ibhe.org

In addition to institutional accreditation, academic programs in specific disciplines and certain individual programs offered at UIC's main campus, branch campuses, and additional locations are accredited by the following specialized accrediting agencies:

College of Applied Health Sciences

BS in Health Information Management

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM)
200 East Randolph Street, Suite 5100
Chicago, Illinois 60601
(312) 235-3255
info@cahiim.org
http://www.cahiim.org

BS in Nutrition Science - Dietetics Program

Accreditation Council for Education in Nutrition and Dietetics (ACEND)
Academy of Nutrition and Dietetics
120 South Riverside Plaza, Suite 2000
Chicago, Illinois 60606-6995
(800) 877-1600 x5400
ACEND@eatright.org
http://www.eatright.org/acend

College of Business Administration

BS programs in Accounting, Entrepreneurship, Finance, Human Resource Management, Information and Decision Sciences, Management, Marketing, Real Estate, and Bachelor of Business Administration.

AACSB International—The Association to Advance Collegiate Schools of Business
777 South Harbour Island Boulevard, Suite 750
Tampa, Florida 33602
(813) 769-6500
http://www.aacsb.edu

(312) 413-5500

UIC Medical Bookstore
Student Center West
(312) 413-5550

Campus Advocacy Network
1101 West Taylor Street
(312) 413-1025
http://can.uic.edu

CampusCare Student Health Benefit Program
Clinical Sciences North, Suite W310
(312) 996-2901
http://campuscare.uic.edu

Campus Housing Office
220 Student Residence Hall Building (SRH)
(312) 355-6300
http://housing.uic.edu

Career, Co-op, Internship, and Employment Information
Career Services
3050 Student Services Building (SSB)
(312) 996-2300
http://careerservices.uic.edu

Business Career Center
110 Douglas Hall (DH)
(312) 996-5139
http://business.uic.edu/undergraduate-programs/business-career-center

College of Liberal Arts and Sciences Internship Program
350 University Hall (UH)
(312) 996-0425
https://career.las.uic.edu/internship-program

Engineering Career Center
800 Science and Engineering Offices (SEO)
(312) 355-5174
https://ecc.uic.edu

School of Art and Art History Art Internship
208 Jefferson Hall (JH)
(312) 355-0979
https://artandarthistory.uic.edu

Student Employment
2100 Student Services Building (SSB)
(312) 996-3130
http://studentemployment.uic.edu

CHANCE Program
2560 Student Services Building
chance@uic.edu
(312) 355-5025
https://chance.uic.edu

Children's Center
116 Applied Health Sciences Building (AHSB)
(312) 413-5326
http://childrenscenter.uic.edu

Commuter Student Resource Center
Student Center East, Room 245
(312) 413-7440
https://csrc.uic.edu

Counseling Center
2010 Student Services Building (SSB)
(312) 996-3490
http://counseling.uic.edu

Dean of Students Office
3030 Student Services Building (SSB)
(312) 996-4857
http://dos.uic.edu

Disability Resource Center
1070 Student Services Building (SSB)
(312) 413-2183 (Voice)
(312) 957-4822 (Video Phone)
http://drc.uic.edu

Family Medicine Center
https://hospital.uillinois.edu/primary-and-specialty-care/family-medicine

Outpatient Care Center
1801 W. Taylor Street, Suite 4E
(866) 600-2273

University Village
722 W. Maxwell Street, 2nd Floor
(312) 996-2901

Office of Student Financial Aid
1800 Student Services Building (SSB)
(312) 996-3126
money@uic.edu
http://financialaid.uic.edu

Gender and Sexuality Center
1180 Behavioral Sciences Building (BSB)
(312) 413-8619
http://gsc.uic.edu

ID Center
124 Student Center East (SCE)
(312) 413-5940
http://idcenter.uic.edu

Office of International Services
2160 Student Services Building (SSB)
(312) 996-3121
http://www.ois.uic.edu

Sandi Port Errant Language and Culture Learning Center
301 Grant Hall
(312) 996-8838
http://lclc.uic.edu

Latin American Recruitment and Education Services Program (LARES)
2640 Student Services Building (SSB)
(312) 996-3356
http://lares.uic.edu

Rafael Cintrón-Ortiz Latino Cultural Center
Lecture Center B2
(312) 996-3095

1101 West Taylor Street, 3rd Floor
(312) 413-1025
http://wlrc.uic.edu

Writing Center
105 Grant Hall (GH)
(312) 413-2206
http://writingcenter.uic.edu

Faculty List

University Library

Benjamin Aldred MS, University of Illinois Urbana-Champaign, PhD, Indiana University
Annie Armstrong MLS, University of Wisconsin–Madison
Felicia Barrett MLS, Indiana University
Kathryn Carpenter MSLS, University of Illinois Urbana-Champaign
Deborah Blecic MS, University of Illinois Urbana-Champaign
Elena Carrillo MLIS, Dominican University, MFA, University of Texas at El Paso
Mary Case AMLS, University of Michigan, MA, Syracuse University
Maureen Clark MILS, Dominican University
Ian Collins MS, University of Texas at Austin
John M. Cullars MLS, PhD, Indiana University (Emeritus)
Jane Darcovich MSLIS, MA, University of Illinois Urbana-Champaign
Robert A. Daugherty MS, University of Illinois Urbana-Champaign (Emeritus)
Sandra De Groote MLS, University of Western Ontario
Paula R. Dempsey MALIS, Dominican University, PhD, Loyola University
Josephine L. Dorsch MALS, Rosary College (Emeritus)
David Dror MA, University of Arizona
Joan B. Fiscella AMLS, University of Michigan, MA, PhD, University of Notre Dame (Emeritus)
Abigail Goben MLS, St. Johns University
Gwen Gregory MLS, University of Arizona, MPA, New Mexico State University
Rose Hanneke MLS, University of Maryland
Valerie Harris MLIS, University of Illinois Urbana-Champaign
Manhwa Hu MALIS, University of Wisconsin-Madison
Julie M. Hurd MS, Michigan State University, MA, PhD, University of Chicago (Emeritus)
Glenda Insua MSI, University of Michigan, MA, Ohio University
Nancy R. John MLS, University of California, Los Angeles (Emeritus)
Emily Johnson MLIS, University of Pittsburgh
William G. Jones AMLS, University of Michigan (Emeritus)
Gerald Jurek, MLIS, University of Illinois Urbana-Champaign
Gretchen A. Lagana MLS, University of Wisconsin–Madison, MA, San Jose State College (Emeritus)
Jay Lambrecht MS, University of Illinois Urbana-Champaign (Emeritus)
Catherine Lantz MLIS, Dominican University
Deborah Lauseng AMLS, University of Michigan
Carl Lehnen MS, PhD, University of Illinois Urbana-Champaign
Mingyan Li MLIS, University of Illinois Chicago
Jeanne Link MLIS, University of Illinois Urbana-Champaign, MS, Iowa State University
Kavita Mundle MLS, Dominican University
Kevin O'Brien MLS, Indiana University
Cleo Pappas MLIS, Dominican University (Emeritus)
Scott Pitol MLIS, Dominican University
Ryan Rafferty MLIS, University of Illinois Urbana-Champaign
Rebecca Raszewski MLS, Drexel University
Robert Sandusky MA, Northern Illinois University, PhD, University of Illinois Urbana-Champaign
Carol Scherrer MALS, Rosary College (Emeritus)
Marsha Selmer MS, Western Michigan University (Emeritus)
Tracy Seneca MLIS, University of California, Berkeley, MA DePaul University
Steven Smith MLIS, University of Illinois Urbana-Champaign
Ann C. Weller MA, University of Chicago (Emeritus)
Stephen E. Whitley MEd, University of Illinois Chicago
Stephen E. Wiberley, Jr. MLS, State University of New York at Albany, PhD, Yale University
Tara Wood MLIS, Dominican University, MA, Southern Methodist University
Sonia Yaco MALIS, University of Wisconsin-Madison

College of Applied Health Sciences

Department of Biomedical and Health Information Sciences (p. 17)
Department of Kinesiology and Nutrition (p. 17)

Department of Biomedical and Health Information Sciences

Amami Antia-Obong MS, University of Illinois Chicago
Samantha Bond MS, CMI, FAMI University of Illinois Chicago
Andy Boyd MD, University of Texas Southwestern Medical Center at Dallas
Kelly Clonginger MS, University of Illinois Chicago
Margaret Czart DrPH, University of Illinois Chicago
Barb Glondys MA, Medaille College
Lois Hitchcock MHA, RHIA, CPHQ, University of LaVerne
Ashley Hughes PhD, University of Central Florida
Miriam Isola DrPH, CPHIMS, University of Illinois Chicago
Spyros Kitsiou PhD, University of Macedonia (Greece)
Jacob Krive PhD, Nova Southeastern University
Leah Lebowicz EdD, CMI Capella University
Dick Liu MPH, University of Michigan
Laura Mills MA, Roosevelt University
Elizabeth Papautsky PhD, Wright State University
Kalyan Pasupathy PhD, Virginia Polytechnic Institute and State University
Gideon Ramirez MBA, RHIA, CCS-P, Texas A & M University
Eric Swirsky JD, American University
Rex Twedt MS, University of Illinois Chicago
Felecia Williams MPA, RHIA Roosevelt University
Mohan Zalake PhD, University of Florida, Gainesville

Department of Kinesiology and Nutrition

Michelle Adams MS, University of Illinois Urbana-Champaign
Vered Arbel MS, University of Illinois Chicago
Tracy Baynard PhD, FACSM, FTOS, FAHA, Syracuse University
Eduardo Esteban Bustamante PhD, University of Illinois Chicago
Phillip S. Clifford PhD, Medical College of Wisconsin
Gillian Corbo Reg. PT, MPT, MSc, University of Western Ontario
John E. Coumbe-Lilley PhD, CMPC, CSCS, University of Illinois Chicago
Giamila Fantuzzi PhD, Universita' degli Studi di Milano, Italy
Bo Fernhall PhD, Arizona State University
Kharma Foucher MD, PhD, University of Illinois Chicago
Kelsey Gabel PhD, RD, LDN, University of Illinois Chicago
Lisa Chin Goelz PhD, University of Illinois Chicago
Mark D. Grabiner PhD, University of Illinois Urbana-Champaign

Philip Burton BFA, Philadelphia College of Art; Certificate, Allgemeine Gewerbeschide (Switzerland) (Emeritus)
Meghan Ferrill BA, University of Iowa
Felicia Ferrone BEnvD,Miami University
Jack Henrie Fisher MFA, University of Illinois Chicago
Stephen Flemister MFA, School of the Institute of Chicago
Sung Jang MDes, Domus Academy, Milan
Dawn Joseph MFA, Yale University
Marcia Lausen MFA, Yale University
John Massey BFA, University of Illinois Urbana-Champaign (Emeritus)
Jonathan Mekinda PhD, University of Pennsylvania
Stephen Melamed MFA, Boston University (Emeritus)
Pedro Neves MDes, University of Illinois Chicago; MAS, Basel School of Design (Switzerland)
Lauren Nichols BFA, University of Illinois Urbana-Champaign; Weiterbildungsklasse für Grafik, Kunstgewerbeschule, Basel (Switzerland)
Sharon Oiga MFA, Yale University
TJ O'Keefe MArch, University of Pennsylvania
Oliver Roeger Allgemeine Gewerbeschide, Basel (Switzerland)
Rotimi Sololа BDes, University of Illinois Chicago
Grace Spee MDes, University of Illinois Chicago
Norman Teague MFA, School of the Art Institute of Chicago
Cheryl Towler Weese MFA, Yale University
Daria Tsoupikova MFA, Syracuse University
Noah Wangerin MDes, University of Illinois Chicago
Kimberlee Wilkens MFA, University of Illinois Chicago
Robert Zolna MDes, IIT Institute of Design

School of Theatre & Music

Michael J. Anderson DMA, University of Colorado (Emeritus)
Andrew Baker MM, DePaul University
Louis Bergonzi PhD, University of Michigan
Ivana Bukvich MM, Indiana University
Liza Calisesi-Maidens DMA, Michigan State University
Nicholas Carlson MM, University of Wisconsin-Milwaukee
Gene Collerd MM, Yale University (Emeritus)
Stephanie Cluggish MFA, Northwestern University
Montgomery (Gary) Cole MFA, California Institute of the Arts
Gene Collerd MM, Yale University (Emeritus)
Adam Cordle DMA, Eastman School of Music
Richard Corley MFA, Illinois State University
Xiomara Cornejo PhD, University of Missouri
Carey Deadman MM, Northern Illinois University
Lydia R Diamond BS, Northwestern University
Robert DiFazio MS, University of Illinois Chicago
Christine Mary Dunford PhD, Northwestern University
Theodore Edel DMA, Manhattan School of Music (Emeritus)
Myron Elliott MFA, Ohio University
Michael Espinosa BME, VanderCook College of Music
Timothy Fawkes MM, University of Texas at Austin
Paul Feller MA, Northwestern University
Erin Freeman MFA, Tulane University
Anthony Graham-White PhD, Stanford University (Emeritus)
Mariana Gariazzo DMA, University of Texas at Austin
John Gaudette Curtis Institute of Music
Amos Gillespie MM, Roosevelt University
Victor Rafael Gonzalez BA, Northeastern Illinois University
Lynne Pace Green MFA, Eastern Michigan University
R. Victor Harnack PhD, Northwestern University (Emeritus)
Charles Heath IV BA, Shaw University
Katrina Herrmann BFA, DePaul University
Hannah Holmes Robbins BA, Kalamazoo College
Hai Tao Huang BA, People's Liberation Army Fine Arts Institute, China
David Inmon BME, Northwestern University
Jon Irabagon MM, Manhattan School of Music
Jordan Kamps MM, University of Wisconsin-Milwaukee
William Kaplan DMA, University of Michigan (Emeritus)
Kitty Karn MM, Rice University
Lawrence Kohut, HS Diploma
Paula Kosower DMA, Northwestern University
Claudia Lasareff-Mironoff
Coco Ree Lemery MFA, Savannah College of Art and Design
Andrew Lewis MM, Eastman School of Music
Daniel Lopatka MM, Northern Illinois University
Tanera Marshall MFA, DePaul University
Jason Martin MFA, California State University
James McNally PhD, University of Michigan
Marc Mellits DMA, Cornell University
Bonnie Metzgar MFA, University of Iowa
Monika Miodragovic PhD, Roosevelt University
Eugenia Moliner, Rotterdam Conservatorium, Netherlands
Daniel Murphy MM, Youngstown State University
Thomas Gabriel Pasculli BA, Dartmouth College
Yasen Peyankov MFA, National Academy of Theatre & Film Arts (Bulgaria)
André Pluess BA, University of Chicago
Collette Pollard MFA, Northwestern University
Sarah Ponder MA, Northwestern University
William Raffeld MTA, Pasadena Playhouse College of Theatre Arts (Emeritus)
Elbio Rodriguez-Barilari MM, Universidad de la Republica
Ruth Rosenberg PhD, University of Pennsylvania
Luigi Salerni MFA, University of Oregon (Emeritus)
Derrick Sanders MFA, University of Pittsburgh
Harris Saunders PhD, Harvard University
Natalie Schmitt PhD, Stanford University (Emerita)
Samuel Shuhan MM, University of Southern California
Gabrielle Strong MFA, Northwestern University
Michael Stryker PhD, Eastman School of Music
Brent Talbott PhD, Eastman School of Music
Scott Tegge MM, University of Miami
Edward Torres BA, Roosevelt University
An Tran MM, Yale University
Rachelle Tsachor MA, City College of New York
Richard Wang PhD, University of Chicago (Emeritus)
Cheryl Wilson BM, Bowling Green State University

College of Business Administration

Department of Accounting (p. 19)
Department of Finance (p. 20)
Department of Information and Decision Sciences (p. 20)
Department of Managerial Studies (p. 20)
Stuart Handler Department of Real Estate Studies (p. 21)

Department of Accounting

Sudhakar Balachandran DBA, Harvard University
James L. Chan PhD, University of Illinois Urbana-Champaign (Emeritus)
Gary Chen PhD, Northwestern University
Jason V. Chen PhD, University of Michigan
Joyce T. Chen PhD, University of Illinois Urbana-Champaign (Emerita)
Somnath Das PhD, Carnegie Mellon University

Ann Trampas MBA, Loyola University
Jie Wang PhD, University of North Dakota
Sandy J. Wayne PhD, Texas A&M University
Robert E. Weigand PhD, University of Illinois Urbana-Champaign (Emeritus)

Stuart Handler Department of Real Estate Studies

Andrew Hanson PhD, Syracuse University
Daniel McMillen PhD, Northwestern University
Yuliya Demyanyk PhD, University of Houston
Luis Lopez PhD, The Pennsylvania State University

College of Education

Lionel Allen, EdD, University of Illinois Chicago
Lascelles Anderson PhD, New School for Social Research (Emeritus)
Kira Baker-Doyle PhD, University of Pennsylvania
Cynthia Barron PhD, Loyola University, Chicago
Mary Bay PhD, University of Illinois Chicago (Emerita)
Joseph Becker PhD, Queen Mary College, London University (Emeritus)
Phillip Boda PhD, Columbia University
Chrissy Brown PhD, University of Illinois Chicago
Kathryn Chval, PhD, University of Illinois Chicago
Victoria Chou PhD, University of Wisconsin–Madison (Emerita)
Sarai Coba-Rodriguez PhD, University of Illinois Urbana-Champaign
Shelby Cosner PhD, University of Wisconsin–Madison
Lisa Cushing PhD, University of Oregon
Ting Dai PhD, Temple University
Dionne Danns PhD, University of Illinois Urbana-Champaign
Mavis Donahue EdD, Boston University (Emerita)
Jose Garcia, PhD, University of Texas at Austin
James R. Gavelek PhD, Washington State University (Emeritus)
Caleb Germinaro PhD, University of Washington
Mark Giles PhD, Indiana University
Artin Göncü PhD, University of Houston (Emeritus)
Emily Gregori PhD, Purdue University
Aisha Griffith PhD, University of Illinois at Urbana-Champaign
Eric (Rico) Gutstein PhD, University of Wisconsin–Madison
Jori Hall PhD, University of Illinois Urbana-Champaign
Stacey Horn PhD, University of Maryland (Emerita)
Marie Tejero Hughes PhD, University of Miami
Marisha L. Humphries PhD, University of Illinois Chicago
Emanuel Hurwitz PhD, Northwestern University (Emeritus)
Decoteau Irby PhD, Temple University
James V. Kahn PhD, Temple University (Emeritus)
George Karabatsos PhD, University of Chicago
Eleni Katsarou PhD, University of Illinois Chicago (Emerita)
Dalal Katsiaficas PhD, University of California, Los Angeles
Lena Licón Khisty PhD, Washington State University (Emerita)
Sunyoung Kim PhD, University of Wisconsin-Madison
Van Lac PhD, University of Wisconsin-Madison
Gregory Larnell PhD, Michigan State University
Kimberly Lawless PhD, University of Connecticut (Emerita)
Pauline Lipman PhD, University of Wisconsin–Madison
Norma Lopez-Reyna PhD, University of California, Santa Barbara (Emerita)
Courtney Luedke PhD, University of Wisconsin-Madison
Maria Luna-Duarte PhD, University of Illinois Chicago
Daniel Maggin, PhD, Vanderbilt University
Catherine Main MEd, University of Illinois Chicago
Danny Bernard Martin PhD, University of California, Berkeley
David Mayrowetz EdD, Rutgers University
Julius Menacker EdD, University of Illinois Urbana-Champaign (Emeritus)
Carole P. Mitchener PhD, University of Denver (Emerita)
Christopher Miller PhD, University of Wisconsin–Madison
Paola Zitlali Morales PhD, University of California, Los Angeles
Daniel Morales-Doyle PhD, University of Illinois Chicago
Terrell Morton PhD, University of North Carolina at Chapel Hill
Carol M. Myford PhD, University of Chicago (Emerita)
Gholnecsar Muhammad PhD, University of Illinois Chicago
Marlynne Nishimura MEd, University of Illinois Chicago
Larry P. Nucci PhD, University of California, Santa Cruz (Emeritus)
Irma M. Olmedo PhD, Kent State University (Emerita)
Jennifer Olson PhD, University of Illinois Chicago
Gordon Palmer PhD, University of Michigan
Michelle Parker-Katz PhD, Michigan State University
Ruth Pearl PhD, University of Illinois Urbana Champaign (Emerita)
Nathan Phillips PhD, Vanderbilt University
Edward Podsiadlik PhD, Unversity of Illinois Chicago
Joshua Radinsky PhD, Northwestern University
Taffy E. Raphael PhD, University of Illinois Urbana-Champaign (Emerita)
Arthi Rao EdD, DePaul University
Aria Razfar PhD, University of California, Los Angeles
Lori Redding MEd, Wilmington College
Flora V. Rodriguez-Brown PhD, University of Illinois Urbana-Champaign (Emerita)
Karen M. Sakash PhD, University of Illinois Chicago (Emerita)
Christine Salisbury PhD, University of Wisconsin–Madison (Emerita)
Jason Salisbury PhD, University of Wisconsin-Madison
Ken Saltman PhD, Pennsylvania State University
Bernadette Sánchez PhD, University of Illinois Chicago
William (Bill) Schubert PhD, University of Illinois Urbana-Champaign (Emeritus)
Kristine Schutz PhD, University of Michigan
Cynthia Shanahan EdD, University of Georgia, Athens (Emerita)
Timothy E. Shanahan PhD, University of Delaware (Emeritus)
Kathleen Sheridan, PhD, University of Wisconsin-Madison
Manali Sheth PhD, University of Wisconsin-Madison
Joseph Shoffner EdD, University of Illinois Chicago
Everett Smith PhD, University of Connecticut
Mark A. Smylie PhD, Vanderbilt University (Emeritus)
Benjamin Superfine PhD, JD, University of Michigan
Elizabeth Talbott PhD, University of Virginia (Emerita)
Rebecca Teasdale PhD, University of Illinois at Urbana-Champaign
Michael Thomas PhD, Indiana University Bloomington
Theresa Thorkildsen PhD, Purdue University
Cynthia Toback MEd, National-Louis University (Emerita)
Stephanie Torres PhD, Loyola University Chicago
Steven Tozer PhD, University of Illinois Urbana-Champaign (Emeritus)
Victoria Trinder PhD, University of Illinois Chicago
Maria Varelas PhD, University of Illinois Chicago
Richard Van Acker EdD, Northern Illinois University (Emeritus)
Marc VanOverbeke PhD, University of Wisconsin-Madison
Frederico Waitoller PhD, Arizona State University
Torica L. Webb PhD, Teachers College, Columbia University
Nic Westrate PhD, University of Toronto
Rebecca Woodward PhD, University of Illinois Urbana-Champaign
Yue Yin PhD, Stanford University

Rigel Gjomemo PhD, University of Illinois Chicago
Piotr Gmytrasiewicz PhD, University of Michigan
Mark Grechanik PhD, University of Texas
Mark Hallenbeck MS, University of Illinois Chicago
David Hayes MS, Northwestern University
Andrew Johnson PhD, Wayne State University
Chris Kanich PhD, University of California, San Diego
Ian Kash PhD, Cornell University
Andruid Kerne PhD, New York University
Ellen Kidane MS, University of Illinois Chicago
Adam Koehler PhD, University of California, Riverside
Ajay D. Kshemkalyani PhD, Ohio State University
John P. Lillis PhD, University of California, San Diego
Bing Liu PhD, University of Edinburgh, UK
Leilah Lyons PhD, University of Michigan
William Mansky PhD, University of Illinois Urbana-Champaign
Elisabeta G. Marai PhD, Brown University
Evan McCarty MS, Renesselaer Polytechnic Institute
Sourav Medya PhD, University of California, Santa Barbara
Joseph E. Michaelis PhD, University of Wisconsin-Madison
Fabio Miranda PhD, New York University
Peter C. Nelson PhD, Northwestern University
Michael E. Papka PhD, University of Chicago
Natalie Parde PhD, University of North Texas
Luis Pina PhD, Instituto Superior Técnico
Jason Polakis PhD, University of Crete
Sathya Ravi PhD, University of Wisconsin-Madison
Shanon Reckinger PhD, University of Colorado at Boulder
Scott Reckinger PhD, University of Colorado at Boulder
Dale F. Reed PhD, Northwestern University
Luc Renambot PhD, Université de Rennes
Sara Riazi PhD, University of Oregon
Pedram Rooshenas PhD, University of Oregon
Anastasios Sidiropoulos PhD, Massachusetts Institute of Technology
Stavros Sintos PhD, Duke University
A. Prasad Sistla PhD, Harvard University
Robert H. Sloan PhD, Massachusetts Institute of Technology
Jon Solworth PhD, New York University
Xiaorui Sun PhD, Columbia University
Wei Tang PhD, Northwestern University
Mitchell Theys PhD, Purdue University
Patrick A. Troy MS, Pennsylvania State University
Balajee Vamanan PhD, Purdue University
Venkat Venkatakrishnan PhD, Stony Brook University
Ouri Wolfson PhD, New York University
Philip S. Yu PhD, Stanford University
Xinhua Zhang PhD, Australian National University
Elena Zheleva PhD, University of Maryland
Brian Ziebart PhD, Carnegie Mellon University
Lenore Zuck PhD, Weizmann Institute of Science, Israel

Department of Electrical and Computer Engineering

Lo'ay Abusalah PhD, University of Illinois Chicago
Matthew Alonso PhD, University of Illinois Urbana Champaign
Rashid Ansari PhD, Princeton University
Vahe Caliskan ScD, Massachusetts Institute of Technology
Ahmet Enis Cetin PhD, University of Pennsylvania
Zizwe Chase PhD, Washington State University
Pai-Yen Chen PhD, University of Texas at Austin
Ryan Corey PhD, University of Illinois Urbana Champaign
Natasha Devroye PhD, Harvard University
Shantanu Dutt PhD, University of Michigan
Mitra Dutta PhD, University of Cincinnati
Danilo Erricolo PhD, University of Illinois Chicago
Alan D. Feinerman PhD, Northwestern University
Vladimir Goncharoff PhD, Northwestern University (Lecturer)
Shuo Han PhD, California Institute of Technology
Lina He PhD, University College Dublin
Ning Jin PhD, University of Illinois Chicago
Jim Kosmach PhD, Georgia Institute of Technology
Erdem Koyuncu PhD, University of California, Irvine
Derong Liu PhD, University of Notre Dame
Sudip Mazumder PhD, Virginia Tech
Vitali Metlushko PhD, Moscow State University
Mesrob Ohannessian PhD, Massachusetts Institute of Technology
Debit Pal PhD, University of Illinois Urbana Champaign
Igor Paprotny PhD, Dartmouth College
Inna Partin-Vaisband PhD, University of Rochester
Wenjing Rao PhD, University of Califorinia, San Diego
Renata Revelo PhD, University of Illinois Urbana Champaign
Dan Schonfeld PhD, Johns Hopkins University
Thomas Searles PhD, Rice University
Hulya Seferoglu PhD, University of California, Irvine
Mohammad Shadmand PhD, Texas A&M University
Junxia (Lucy) Shi PhD, Cornell University
Besma Smida PhD, University of Quebec
Mojtaba Soltanalian PhD, Uppsala University (Sweden)
Michael A. Stroscio PhD, Yale University (Emeritus)
Amit Trivedi PhD, Georgia Institute of Technology
Daniela Tuninetti PhD, Eurecom Institute (Telecom, Paris)
Piergiorgio L. Uslenghi PhD, University of Michigan (Emeritus)
Dieff Vital PhD, Florida International University
Milos Zefran PhD, University of Pennsylvania
Zhao Zhang PhD, College of William and Mary
Zhichun Zhu PhD, College of William and Mary

Department of Mechanical and Industrial Engineering

Jeremiah T. Abiade PhD, University of Florida, Gainesville
Suresh K. Aggarwal PhD, Georgia Institute of Technology (Emeritus)
Matthew Alonso PhD University of Illinois Urbana-Champaign
Hadis Anahideh PhD, University of Texas at Arlington
Sushant Anand PhD, University of Cincinnati
Prashant Banerjee PhD, Purdue University (Emeritus)
Pranav Bhounule PhD, Cornell University
Kenneth Brezinsky PhD, City University of New York
Michael Brown PhD, University of Illinois Chicago
Sabri Cetin PhD, Georgia Institute of Technology
Soyoung S. Cha PhD, University of Michigan (Emeritus)
Houshang Darabi PhD, Rutgers, State University of New Jersey
David M. France PhD, University of California, Berkeley (Emeritus)
John Finan PhD, Duke University
Mohammed Ghashami PhD, University of Utah
Krishna C. Gupta PhD, Stanford University (Emeritus)
Azadeh Haghighi PhD, University of Illinois Chicago
Hamed Hatami-Marbini PhD, Rensselaer Polytechnic Institute
David W. He PhD, University of Iowa
Jida Huang PhD, University of Buffalo
Erica Jung PhD, Cornell University
Lawrence A. Kennedy PhD, Northwestern University (Emeritus)
Hyungil Kim PhD, Virginia Tech

Chieh Chang PhD, California Institute of Technology
Jer Pin Chong PhD, Iowa State University
Chiou-Fen Chuang PhD, California Institute of Technology
Alexandra Daemicke Hansen MS, Northern Illinois University
Kevin Drew PhD, New York University
Ronald R. Dubreuil PhD, University of Illinois Chicago
Ignacio Escalante Meza PhD, University of California, Berkeley
Ruixuan Gao PhD, Harvard University
Liang-Wei Gong PhD, Southern Medical University (China)
Miquel A. Gonzalez-Meler PhD, University of Barcelona (Spain)
Jarrad Hampton-Marcell, PhD, University of Illinois Chicago
Boris Igic PhD, University of California, San Diego
Constance Jeffery PhD, University of California, Berkeley
Kemat (Oliver) Keyhani PhD, Johns Hopkins University
Jeremy Lynch PhD, New York University
Roberta Mason-Gamer PhD, University of Connecticut
Suzanne McCutcheon PhD, University of Illinois Chicago
Michael Mills PhD, University of Georgia
Emily Minor PhD, Duke University
Alan Molumby PhD, University of Chicago
Donald A. Morrison PhD, Yale University
Michael Muller MST, University of Florida
Karin Nelson PhD, University of Illinois Urbana-Champaign
Gabriela Nunez-Mir PhD, Purdue University
Peter G. Okkema PhD, University of Wisconsin-Madison
Teresa V. Orenic PhD, Northwestern University
Thomas J. Park PhD, University of Maryland
Yury Polikanov PhD, University of Medicine and Dentistry of New Jersey and Rutgers University
Rachel Poretsky PhD, University of Georgia
Janet E. Richmond PhD, University of Calgary
Angeles Salles PhD, University of Buenos Aires
Alexandar Shingleton PhD, University of Cambridge
Eric Stabb PhD, University of Wisconsin-Madison
David E. Stone PhD, University of Wisconsin-Madison
Boriana Tchernookova PhD, University of Illinois Chicago
Joseph Walker PhD, University of Michigan
Katherine Warpeha PhD, University of Illinois Chicago
Joseph Zak PhD, University of Colorado

Department of Chemistry

Leslie N. Aldrich PhD, Vanderbilt University
Laura Anderson PhD, University of California, Berkeley
Jean-Luc Ayitou PhD, North Dakota State University
Igor Bolotin PhD, Moscow State University
Jordi Cabana PhD, Universitat Autonoma de Barcelona (Spain)
Wonhwa Cho PhD, University of Chicago
Ginevra Clark PhD, Tufts University
Stephanie M. Cologna PhD, Texas A&M University
Tom G. Driver PhD, University of California, Irvine
Wade A. Freeman PhD, University of Michigan (Emeritus)
Leslie Wo-Mei Fung PhD, Massachusetts Institute of Technology (Emerita)
Ruixian Gao PhD, Harvard University
Eric A. Gislason PhD, Harvard University (Emeritus)
Robert J. Gordon PhD, Harvard University (Emeritus)
Stephen Gramsch PhD, University of Chicago
Audrey Hammerich PhD, University of California, Los Angeles
Luke Hanley PhD, State University of New York at Stony Brook
Rita Hatfield PhD, Loyola University
Russell Hemley PhD, Harvard University
Ying S. Hu PhD, Rice University
Mohammad Shahid Islam PhD, Memorial University
Cynthia Jameson PhD, University of Illinois Urbana-Champaign (Emerita)
Nan Jiang PhD, Chinese Academy of Sciences
Gregory Jursich PhD, University of Wisconsin–Madison
Jacques Kagan PhD, Rice University (Emeritus)
Richard J. Kassner PhD, Yale University (Emeritus)
Timothy A. Keiderling PhD, Princeton University (Emeritus)
Petr Kral PhD, Czech Academy of Sciences (Czech Republic)
Pierre LeBreton PhD, Harvard University (Emeritus)
Justin L. Lorieau PhD, Columbia University
Neal Mankad PhD, California Institute of Technology
Clifford Matthews PhD, Yale University (Emeritus)
Lawrence Miller PhD, University of Wisconsin–Madison
Justin T. Mohr PhD, California Institute of Technology
Sherwin Montano PhD, Rutgers University
Robert M. Moriarty PhD, Princeton University (Emeritus)
Martin Newcomb PhD, University of Illinois Urbana-Champaign (Emeritus)
Andy Nguyen PhD, University of California, Berkeley
George A. Papadantonakis PhD, University of Illinois Chicago
Jan Rocek PhD, Technical University Prague (Czech Republic) (Emeritus)
Avia Rosenhouse-Dantsker DSc, Technion (Israel)
Minjung Ryu PhD, University of Maryland at College Park
Lianne Schroeder PhD, University of Illinois Chicago
Ewa Stec PhD, University of Illinois Chicago
Preston Snee PhD, University of California, Berkeley
Mike Stieff PhD, Northwestern University
Michael Trenary PhD, Massachusetts Institute of Technology
Duncan J. Wardrop PhD, University of Glasgow
Donald J. Wink PhD, Harvard University
Xiaojing Yang PhD, University of Chicago
Maria Yermolina PhD, University of Illinois Chicago
Paul R. Young, Jr. PhD, University of South Florida (Emeritus)
Huan-Xiang Zhou PhD, Drexel University

Department of Classics and Mediterranean Studies

James H. Dee PhD, University of Texas at Austin (Emeritus)
Matthew W. Dickie PhD, University of Toronto (Emeritus)
Elizabeth R. Gebhard PhD, University of Chicago (Emerita)
Young R. Kim PhD, University of Michigan
Nanno Marinatos PhD, University of Colorado Boulder (Emerita)
Zinon Papakonstantinou PhD, University of Washington
John T. Ramsey PhD, Harvard University (Emeritus)
Jennifer L. Tobin PhD, University of Pennsylvania (Emerita)

Department of Communication

Eulàlia Puig Abril PhD, University of Wisconsin-Madison
Tanja Aitamurto PhD, University of Tampa
Diem-My Bui PhD, University of Illinois Urbana-Champaign
John A. Jones PhD, University of Illinois Urbana-Champaign
Steve Jones PhD, University of Illinois Urbana-Champaign
Do Own Donna Kim, PhD, University of Southern California
Rebecca Ann Lind PhD, University of Minnesota
Elena Maris, PhD, University of Pennsylvania
Zachary McDowell PhD, University of Massachusetts at Amherst
Sharon Meraz PhD, University of Texas at Austin
Ishani Mukherji PhD, University of Illinois Chicago
Janis Teruggi Page, PhD, University of Missouri

Lennard Davis PhD, Columbia University
Todd DeStigter PhD, University of Michigan–Ann Arbor
Nicholas Dertinger MA, University of Illinois Chicago
Heather Doble MA, University of Illinois Chicago
James Drown MA, University of Illinois Chicago
Madhu Dubey PhD, University of Illinois Urbana-Champaign (Emerita)
Eman Elturki PhD, Washington State University
Bridget English PhD, Maynooth University
Ann Feldman PhD, State University of New York at Buffalo (Emerita)
Kaitlin (KC) Forcier PhD, University of California, Berkeley
Lisa Freeman PhD, University of Pennsylvania
Judith K. Gardiner PhD, Columbia University (Emerita)
Robin Gayle MA, Northern Illinois University
Gina Gemmel PhD, University of Illinois Chicago
Christopher Glomski PhD, University of Illinois Chicago
Jeffrey Gore PhD, University of Illinois Chicago
Gerald Graff PhD, University of Chicago (Emeritus)
Robin Grey PhD, University of California, Los Angeles (Emerita)
Christopher Grimes PhD, University of Wisconsin–Milwaukee
Scott Grunow MA, Dominican University
Antonio Guerrero MA, DePaul University
Rachel Havrelock PhD, University of California, Berkeley
Philip Hayek PhD, Virginia Tech
Ling He PhD, University of British Columbia
Corbin Hiday PhD, University of Illinois Chicago
Clark Hulse PhD, Claremont Graduate School (Emeritus)
John W. Huntington PhD, University of California, Berkeley (Emeritus)
Kyoko Inoue PhD, University of Michigan (Emerita)
David Jakalski PhD, University of Illinois Chicago
Lauren Elizabeth Johnson PhD, Michigan State University
Adam Jones PhD, University of Chicago Illinois
Helen Jun PhD, University of California, San Diego
Jeffrey Kessler PhD, Indiana University
Abigail Kindelsperger PhD, University of Illinois Chicago
Anna Kornbluh PhD, University of California, Irvine
Aaron Krall PhD, University of Wisconsin-Milwaukee
Keegan Lannon PhD, Aberystwyth University
Carly Lapotre MA, University of Illinois Chicago
Karen Leick PhD, Northwestern University
Jennifer Lewis MA, University of Illinois Chicago
Michael J. Lieb PhD, Rutgers University (Emeritus)
Ned Lukacher PhD, Duke University (Emeritus)
Melissa Macero PhD, University of Illinois Chicago
Raphael Magarik PhD, University of California, Berkeley
Mark Magoon MFA, Roosevelt University
Sylvia Manning PhD, Yale University (Emerita)
Donald G. Marshall PhD, Yale University (Emeritus)
Cris Mazza MFA, City University of New York, Brooklyn
Deirdre McCloskey PhD, Harvard University (Emerita)
Carrie McGath PhD, University of Illinois Chicago
Heather McShane MFA, School of the Art Institute of Chicago
Christian K. Messenger PhD, Northwestern University (Emeritus)
Walter Benn Michaels PhD, University of California, Santa Barbara (Emeritus)
Mary Anne Mohanraj PhD, University of Utah
Nasser Mufti PhD, University of California, Irvine
Michael Newirth MFA, University of Florida
Kim O'Neil MFA, University of California, Irvine
Sterling Plumpp BA, Roosevelt University (Emeritus)
Lawrence S. Poston PhD, Princeton University (Emeritus)
Sarah Primeau PhD, Wayne State University
Christina Pugh PhD, Harvard University
Robin Reames PhD, Carnegie Mellon University
John S. Rohsenow PhD, University of Michigan (Emeritus)
Katherine Romero PhD, DePaul University
Mary Beth Rose PhD, Duke University (Emerita)
Martin Rubin PhD, Columbia University
A. LaVonne Brown Ruoff PhD, Northwestern University (Emerita)
Jennifer Rupert PhD, University of Illinois Chicago
David W. Schaafsma PhD, University of Michigan–Ann Arbor
Natalie Schmitt PhD, Stanford University (Emerita)
Jay Shearer PhD, University of Illinois Chicago
Douglas Sheldon MA, Kent State University
Todd Sherfinski MA, Northeastern Illinois University
Katharine Sjostrom PhD, University of Illinois Chicago
James P. Sloan BA, Harvard University (Emeritus)
Evan Steuber PhD, University of Illinois Chicago
Lisa Stolley PhD, University of Illinois Chicago
Anton Svynarenko PhD, University of Illinois Chicago
Alfred Thomas PhD, Cambridge University
Deanna Thompson MA, University of Illinois Chicago
Luis Urrea MA, University of Colorado at Boulder
Catherine Vlahos MA, University of Illinois Chicago
Virginia W. Wexman PhD, University of Chicago (Emerita)
Terence Whalen PhD, Duke University
Eugene Wildman MA, University of Chicago (Emeritus)
Charitianne Williams MA, University of Illinois Chicago
Anne Winters PhD, University of California, Berkeley (Emerita)
Snezana Zabic PhD, University of Illinois Chicago

Department of French and Francophone Studies

Peter V. Conroy, Jr. PhD, University of Wisconsin–Madison (Emeritus)
Roselyne Gérazime PhD, Emory University
John Ireland PhD, New York University
Ellen McClure PhD, University of Michigan
Margaret Miner PhD, Yale University (Emerita)
Elizabeth Dolly Weber PhD, University of Wisconsin–Madison
Yann Robert PhD, Princeton University

Gender and Women's Studies Program

Darius Bost PhD, University of Maryland-College Park
Jennifer Brier PhD, Rutgers University
Manoucheka Celeste PhD, University of Washington
John D'Emilio PhD, Columbia University (Emeritus)
Esther Díaz Martín PhD, University of Texas, Austin
Freda Fair PhD, University of California, Los Angeles
Judith K. Gardiner PhD, Columbia University (Emerita)
Elena Gutiérrez PhD, University of Michigan
Lynette Jackson PhD, Columbia University
Ronak Kapadia PhD, New York University
Norma Moruzzi PhD, Johns Hopkins University
Nadine Naber PhD, University of California, Davis
Akemi Nishida PhD, City University of New York
Barbara Ransby PhD, University of Michigan
Gayatri Reddy PhD, Emory University
Stephanie Riger PhD, University of Michigan (Emerita)
Laurie Schaffner PhD, University of California, Berkeley (Emerita)
Margaret Strobel PhD, University of California, Los Angeles (Emerita)
Cindy Tekobbe PhD, Arizona State University
Terrion Williamson PhD, University of Southern California

Affiliated Faculty

John Balserak (Theology and Religious Studies)
Brian Bauer (Anthropology)
Stephen Engelman (Political Science)
Ilya Geramisov (Ab Imperio Quarterly)
Daniel Greene (Newberry Library)
Lynette Jackson (Gender and Women's Studies; Black Studies)
John Monaghan (Anthropology)
Norma Claire Moruzzi (Political Science; Gender and Women's Studies)
Sandra Sufian (Department of Medical Education, UIC School of Medicine)

Department of Latin American and Latino Studies

Soledad Alvarez Velasco PhD, King's College, London
Xóchitl Bada PhD, University of Notre Dame
Daniel Borzutzky MFA, School of the Art Institute of Chicago
Ralph Cintron PhD, University of Illinois Chicago
Esther Diaz Martin PhD, University of Texas at Austin
Julie Dowling PhD, University of Texas, Austin
Andreas E. Feldmann PhD, University of Notre Dame
Lorena García PhD, University of California, Santa Barbara
Adam Goodman PhD, University of Pennsylvania
Elena Gutiérrez PhD, University of Michigan
Joel Huerta PhD, University of Texas at Austin
Jonathan Inda PhD, University of California, Berkeley
Patrisia Macias-Rojas PhD, University of California, Berkeley
Cristian Roa PhD, Princeton University
Barbara Sostaita PhD, University of North Carolina, Chapel Hill
Maria de los Angeles Torres PhD, University of Michigan

Department of Linguistics

Richard Cameron PhD, University of Pennsylvania (Emeritus)
Susanne Rott PhD, University of Illinois Urbana-Champaign
Gyu-Ho Shin PhD, University of Hawai'i at Manoa
Jessica Williams PhD, University of Pennsylvania (Emerita)
Xuehua Xiang PhD, Pennsylvania State University

Department of Mathematics, Statistics, and Computer Science

Rafail Abramov PhD, Rensselaer Polytechnic Institute
Gerard Awanou PhD, University of Georgia
Jerry Bona PhD, Harvard University
Alison Castro Superfine PhD, University of Michigan
Alexey Cheskidov PhD, Indiana University
Alina Cojocaru PhD, Queen's University (Canada)
Izzet Coskun PhD, Harvard University
Mimi Dai PhD, University of California, Santa Cruz
David Dumas PhD, Harvard University
Lawrence Ein PhD, University of California, Berkeley
Shmuel Friedland DSc, Technion (Israel) (Emeritus)
Alexander Furman PhD, Hebrew University (Israel)
Michael Greenblatt PhD, Princeton University
Daniel Groves PhD, University of Oxford (England)
Melvin L. Heard, Jr. PhD, Purdue University (Emeritus)
Samad Hedayat PhD, Cornell University (Emeritus)
Louis H. Kauffman PhD, Princeton University (Emeritus)
Dibyen Majumdar PhD, Indian Statistical Institute (India)
David Marker PhD, Yale University (Emeritus)
Danny Martin PhD, University of California, Berkeley
Mara Martinez PhD, Tufts University
Dhruv Mubayi PhD, University of Illinois Urbana-Champaign
Irina Nenciu PhD, California Institute of Technology
David P. Nicholls PhD, Brown University
Cheng Ouyang PhD, Northwestern University
Mihai Paun PhD, Université Joseph Fourier (France)
Lev Reyzin PhD, Yale University
Christian Rosendal PhD, University of Paris 6
Laura Schaposnik DPhil, Oxford University New College
Brooke E. Shipley PhD, Massachusetts Institute of Technology
Roman Shvydkoy PhD, University of Missouri–Columbia
Dima Sinapova PhD, University of California, Los Angeles
Christof Sparber PhD, University of Vienna (Austria)
Ramin Takloo-Bighash PhD, Johns Hopkins University
Kevin Tucker PhD, University of Michigan
Gyorgy Turan PhD, Jozsef A. University (Hungary)
Jan Verschelde PhD, Katholieke University (Belgium)
Jing Wang PhD, Michigan State University
Kevin Whyte PhD, University of Chicago
Jie Yang PhD, University of Chicago
Min Yang PhD, University of Illinois Chicago
Wenliang Zhang PhD, University of Minnesota

Department of Philosophy

Anne W. Eaton PhD, University of Chicago
Walter Edelberg PhD, University of Pittsburgh (Emeritus)
Samuel Fleischacker PhD, Yale University
Rachel Goodman PhD, University of Chicago
Aidan Gray PhD, University of Chicago
Neal K. Grossman PhD, Indiana University (Emeritus)
W.D. Hart PhD, Harvard University (Emeritus)
David Hilbert PhD, Stanford University
Nicholas Huggett PhD, Rutgers, State University of New Jersey
Peter Hylton PhD, Harvard University (Emeritus)
Jon P. Jarrett PhD, University of Chicago (Emeritus)
Anthony Laden PhD, Harvard University
Annette Martín PhD, New York University
Constance Meinwald PhD, Princeton University (Emerita)
Marya Schechtman PhD, Harvard University
Georgette Sinkler PhD, Cornell University
Will Small PhD, University of Chicago
Daniel Sutherland PhD, University of California, Los Angeles
Justin Vlasits PhD, University of California, Berkeley
W. Kent Wilson PhD, University of Pittsburgh (Emeritus)
John Whipple PhD, University of California, Irvine

Department of Physics

Mark R. Adams PhD, State University of New York at Stony Brook (Emeritus)
Anjum Ansari PhD, University of Illinois Urbana-Champaign
Henrik Aratyn PhD, University of Copenhagen, Denmark (Emeritus)
Austin Baty PhD, Massachusetts Institute of Technology
R. Russell Betts PhD, University of Pennsylvania (Emeritus)
Juan-Carlos Campuzano PhD, University of Wisconsin-Milwaukee
Richard Cavanaugh PhD, Florida State University
Richard DeJonghe#PhD, University of Illinois Chicago
Randall Espinoza#PhD, University of Illinois Chicago
Olga Evdokimov PhD, Ivanovo State University, Russia
Cecilia E. Gerber PhD, University of Buenos Aires, Argentina
Christoph Grein PhD, Princeton University

Laurie Schaffner PhD, University of California, Berkeley (Emerita)
Moshe Semyonov PhD, State University of New York at Stony Brook (Emeritus)
Mahesh Somashekhar PhD, Princeton University
Emily Vasquez PhD, Columbia University
Richard Warnecke PhD, Duke University (Emeritus)
R. Stephen Warner PhD, University of California, Berkeley (Emeritus)

College of Nursing

Sarah Abboud PhD, University of Pennsylvania
Mary Ann Anderson PhD, University of Iowa (Emerita)
Amanda Bennett DNP, University of South Alabama
Martha Bergren DNS, The State University of New York at Buffalo (Emerita)
Jean Berry PhD, University of Illinois Chicago (Emerita)
Gloria Bonner PhD, University of Illinois Chicago (Emerita)
Wendy Bostwick PhD University of Illinois Chicago
Bonnie Breitmayer PhD, Cornell University
Leah Burt MS, University of Illinois Chicago
Mia Cajita PhD, Johns Hopkins University
Michael Calik PhD, Loyola University Chicago
David Carley PhD, Massachusetts Institute of Technology (Emeritus)
Melissa Carlucci DNP, Saint Louis University
Susie Cherian DNP, Lewis University
Mara Clarke DNP, University of Illinois Chicago
Eileen Collins PhD, Loyola University Chicago
Susan Corbridge PhD, University of Illinois Chicago (Emerita)
Colleen Corte PhD, University of Michigan (Emerita)
Karen Cotler DNP, Florida Atlantic University
Natasha Crooks PhD, University of Wisconsin-Madison
Gabriel Culbert PhD, University of Illinois Chicago
Barbara Dancy PhD, Saint Louis University (Emerita)
Holli Devon PhD, University of Illinois Chicago (Emerita)
Carolyn Dickens PhD, University of Illinois Chicago
Lauren Diegel-Vacek DNP, University of Illinois Chicago
Ardith Doorenbos PhD, Wayne State University
Susan Dunn PhD, Michigan State University
Marianne Durham DNP, Rush University
Kamal Eldeirawi PhD, University of Illinois Chicago
Carol Ferrans PhD, University of Illinois Chicago (Emerita)
Anne Fink PhD, University of Illinois Chicago
Sarah Fitz DNP, University of Illinois Chicago
Gwyneth Franck PhD, University of Virginia, Charlottesvill
Cynthia Fritschi PhD, University of Illinois Chicago
Agatha Gallo PhD, University of Pennsylvania (Emerita)
Pamela Gampetro PhD, Loyola University Chicago
Geraldine Gorman PhD, Loyola University Chicago
Cynthia Handrup DNP, University of Colorado at Denver
Judith Heinschel PhD, University of Colorado Health Sciences Center
Gloria Henderson MS, University of Illinois Chicago (Emerita)
Germaine Henderson-Rawls MSN, Governor State University & MBA, Olivet Nazarene University
Susan Hovey PhD, Illinois State University
Summer Hinthorne DNP, University of Illinois Chicago
Elena Ignatiev DNP, University of Illinois Chicago
Bilgay Izci Balserak PhD, University of Edinburgh
Rohan Jeremiah PhD, University of South Florida
Amy Johnson PhD, University of Illinois Chicago
Robin Johnson DNP, University of Illinois Chicago
Krista Jones DNP, University of Illinois Chicago
Gina Juliano DNP, University of Illinois Chicago
Mary Kapella PhD, University of Illinois Chicago (Emerita)
Denise Kent PhD, University of Illinois Chicago
Mi Ja Kim PhD, University of Illinois Chicago (Emerita)
Maripat King DNP, University of Illinois Chicago
Geri Kirkbride PhD, University of Iowa
Mary Dawn Koenig PhD, University of Pennsylvania
Teresa Krassa PhD, Wayne State University
Catherine Leipold MS, University of Maryland, Baltimore
Kylea Liese PhD, Stanford University
Mark Lockwood PhD, Oregon Health Sciences University
Saria Lofton PhD, Rush University
Angela Maeder PhD, University of Illinois Chicago
Pamela Martyn-Nemeth PhD, Loyola University Chicago
Linda McCreary PhD, University of Illinois Chicago (Emerita)
Mary McNamara DNP, University of Illinois Chicago
Sara McPherson PhD, University of Nevada at Las Vegas
Angela McPhillipsDNP, University of Illinois Chicago
Barbara Meagher DNP, Chamberlain College of Nursing
Kathleen Norr PhD, University of Michigan (Emerita)
Jennifer Obrecht DNP, University of Illinois Chicago
Crystal Patil PhD, The Ohio State University
Pamela Pearson DNP, University of Illinois Chicago
Beth Phelps DNP, University of Illinois Chicago
Mariann Piano PhD, University of Illinois Chicago (Emerita)
Natacha Pierre DNP, Rush University
Mary Puchalski DNP, Chatham University
Lauretta Quinn PhD, University of Illinois Chicago
Paige Ricca DNP, University of Illinois Chicago
Eleanor Rivera PhD, University of Illinois Chicago
Kathryn Rugen PhD, Rush University
Julienne Rutherford PhD, Indiana University
Afrodita Salievska MS, University of Illinois Chicago
Judith Schlaeger PhD, Ghangzhou University of Chinese Medicine
Celeste Schultz PhD, University of Michigan
Julie Schwind DNP, University of Illinois Chicago
Robin Shannon MS, University of Illinois Chicago
Kimberly Simpson MS, Indiana University-Purdue University Indianapolis
Randi Singer PhD, Widener University
Rebecca Singer Nursing Doctorate, University of Colorado College of Nursing
Lynda Slimmer PhD, University of Illinois Chicago (Emerita)
Eva Smith PhD, Kansas State University (Emerita)
Kathleen Sparbel PhD, University of Iowa
Sheryl Stogis DrPH, University of Michigan
Elizabeth Tarlov PhD, University of Illinois Chicago
Patrick Thornton PhD, University of Illinois Chicago
Carla Tozer DNP, University of Illinois Chicago
Kelly Vaez DNP, University of Illinois Chicago
Kathryn VanderZwan DNP, University of Illinois Chicago
Catherine Vincent PhD, Wayne State University
Susan Vonderheid PhD, University of Illinois Chicago
Rebecca Vortman DNP, University of Illinois Chicago
Karen Vuckovic PhD, University of Illinois Chicago
Susan Walsh DNP, University of Illinois Chicago
Terri Weaver PhD, University of Pittsburgh (Emerita)
M. Cecilia Wendler PhD, University of Colorado Health Sciences Center
Rebecca White MS, University of Wyoming
Jeffery Williams PhD, University of Illinois Chicago
Ruth Woroch DNP, Rush University
Catherine Yonkaitis DNP, University of Illinois Chicago

Matthew Henke PhD, Northwestern University
Steve Hiemenz MPharm/MBA, University of Iowa/Devry University
Janet M. Hinkes PharmD, University of Illinois Chicago
Md Akil Hossain PhD, Kyungpook National University
Sara W. Hovey PharmD, University of Michigan
Bradley R. Hughes PharmD, University of Illinois Chicago
Jaimie L. Hurd PharmD, University of Illinois Chicago
Joann Huynh PharmD, University of Illinois Chicago
Jonathan T. Huynh PharmD, University of Illinois Chicago
Nina S. Huynh PharmD, University of Illinois Chicago
Niha Idrees PharmD, University of Pittsburgh
Dorina Idrizi PharmD, University of Illinois Chicago
Heather J. Ipema PharmD, University of Illinois Chicago
Jaison Issac PharmD, University of Health Sciences and Pharmacy
Birgit U. Jaki PhD, Swiss Federal Institute of Technology
Jennie B. Jarrett PharmD, University of North Carolina Chapel Hill
Archana Jhawar PharmD, University of Illinois Chicago
Jeremy J. Johnson PhD, University of Wisconsin
Kelsey E. Johnson PharmD, University of Illinois Chicago
Jenie M. Joseph PharmD, St. John's University
Honey Joseph PharmD, Midwestern University
Maria Joy PharmD, Ohio State University
Karen Caye L. Juco PharmD, Rosalind Franklin University
Julie H. Jun PharmD, University of Illinois Chicago
Marlowe Djuric Kachlic PharmD, University of Illinois Chicago
Katie B. Kaczmarski PharmD, St. Louis College of Pharmacy
Shyreen Kamal PharmD, Shenandoah University
Manar M. Kandil PharmD, University of Illinois Chicago
Kathleen M. Kazimir PharmD, University of Illinois Chicago
Eden Keller PharmD, Xavier University of Louisiana
Nehrin W. Khamo PharmD, University of Illinois Chicago
Keri S. Kim PharmD, University of Illinois Chicago
Kibum Kim PhD, University of Chicago
Shiyun Kim PharmD, University of Illinois Chicago
Kendra Klaczak PharmD, Ohio State University
Angela Kong PharmD, University of Washington Seattle
Laura Koppen PharmD, Midwestern University
Michael J. Koronkowski PharmD, Purdue University
Tomasz W. Koziol PharmD, University of Illinois Chicago
Courtney D. Krueger PharmD, University of Iowa
Aleksej Krunic PhD, University of Illinois Chicago
Lisa M. Kumor PharmD, The Ohio State University
Karla A. Lada PharmD, Butler University
A. Karl Larsen PhD, University of Illinois Chicago
Alan H. Lau PharmD, State University of New York at Buffalo
Janice Lazar PharmD, University of Illinois Chicago
Khoa Le PharmD, University of Illinois Chicago
Brian Hoa Leav PharmD, University of Illinois Chicago
James Chao-Shen Lee PharmD, University of Illinois Chicago
Steve Seung-Young Lee PhD, Purdue University
Todd A. Lee PhD, Drake University
Amy Liu PharmD, University of Illinois Chicago
Haleh Maali PharmD, Midwestern University
Amy Madhiwala PharmD, University of Illinois Chicago
Gail B. Mahady PhD, University of Illinois Chicago
Henri R. Manasse PhD, University of Minnesota
Jaison Mani PharmD, Midwestern University
Alexander S. Mankin PhD, Moscow State University
Madan Manocha MBA, MIsc University
Michelle Martin PharmD, University of Wisconsin
Ruth P. Mathew PharmD, Albany College of Pharmacy
Sheryl Mathew PharmD, Rutgers, The State University of New Jersey
Blake E. Max PharmD, University of California, San Francisco
Christina E. McKnight PharmD, University of Illinois Chicago
Charles E. McPherson III PharmD, University of Texas at Austin
Brianna M. McQuade PharmD, University North Carolina Chapel Hill
Conny He Mei PharmD, University of Illinois at Chicago
Laura E. Meyer PharmD, University of Illinois Chicago
Cedomir Micic PharmD, Howard University
Elizabeth Micke PharmD, Butler University
Scott M. Miller PharmD, University of Illinois Chicago
Arturo Montero-Hernandez PharmD, University of Illinois Chicago
Mary Lynn Moody BS Pharmacy, University of Illinois Chicago
Terry Moore PhD, University of Illinois Urbana-Champaign
Marian L. Morgan PharmD, Florida A and M University
Katherine S. Mosio PharmD, University of Illinois Chicago
Rebecca A. Mousseau PharmD, University of Illinois Chicago
Farahnaz Movahed Zadeh PhD, University College of London
Alice Moy PhD, University of Illinois Chicago
Kit Y. Moy BS Pharmacy, University of Illinois Chicago
Tiffany Moy PharmD, University of Illinois Chicago
Jeffrey J. Mucksavage PharmD, Rutgers, The State University of New Jersey
Faria Munir PharmD, Ohio State University
Cassie S. Muran PharmD, University of Illinois Chicago
Brian T. Murphy PhD, Virginia Tech
Noor Naffakh PharmD, University of Kentucky
Anitha F. Nagelli PharmD, University of Illinois Chicago
Dejan S. Nikolic PhD, University of Illinois Chicago
John L. Nitiss PhD, Illinois Institute of Technology
Edith A. Nutescu PharmD, MS, University of Illinois Chicago
Kirsten H. Ohler PharmD, University of Toledo
Sherri D. Ojikutu-Frohnapple PharmD, Chicago State University
Clara Okorie-Awe EdD, Northern Illinois University; PhD, University of Illinois Urbana-Champaign
Lauren M. Oliveri PharmD, University of Illinois Chicago
Heidi R. Olson PharmD, Midwestern University
Vince K. Oluwaleke PharmD, Southern Illinois University
Jimmy Orjala PhD, Swiss Federal Institute of Technology, Zurich
Kristin M. Orr PharmD, University of Illinois Chicago
Liana V. Osis PharmD, Misc University**Yuxiang S. Ou** PharmD, University of Illinois Chicago
Jamie L. Paek PharmD, University of Illinois Chicago
Frank P. Paloucek PharmD, Philadelphia College of Pharmacy and Science
Chintan D. Patel PharmD, University of Illinois Chicago
Rucha R. Patel PharmD, Chicago State University
Sachin A. Patel PharmD, Misc University
Sujal K. Patel PharmD, University of Health Sciences and Pharmacy
Yesha A. Patel PharmD, St. John's University
Guido F. Pauli PhD, Heinrich Heine University (Dusseldorf, Germany)
Alyssa R, Perez PharmD, University of Illinois Chicago
Christina Petrykiw PharmD, University of Illinois Chicago
Pavel A. Petukhov PhD, Novosibirsk Institute of Organic Chemistry (Russia)
Gwen Hoang Pham PharmD, University of Illinois Chicago
Jennifer Pham PharmD, University of Illinois Chicago
Jennifer A. Phillips PharmD, University of Illinois Chicago
A. Simon Pickard PhD, University of Alberta (Canada)
Dana R. Pierce PharmD, University of Illinois Chicago
Levi Karell C. Pilones PharmD, University of Illinois Chicago
Elaine L. Pimentel PharmD, University of Illinois Chicago
Matthew Plassmeier PharmD, Purdue University
Marianne K. Pop PharmD, Midwestern University

Leslie Williams PhD, New York University

Division of Environmental and Occupational Health Sciences

Kirsten Almberg PhD, University of Illinois Chicago
Mehdi Amouei Torkmahalleh PhD, Clarkson University
Daniel Bakston MD, Academy of Medicine Poznan
Tessa Bonney PhD, University of Illinois Chicago
Badi Boulos MD, Alexandria University (Emeritus)
Susan Buchanan MD, Ohio State University
Michael Cailas PhD, McGill University
Robert Cohen MD, Northwestern University
Lorraine Conroy ScD, Harvard University (Emerita)
Samuel Dorevitch MD, University of Chicago
Serap Erdal DrPH, University of Pittsburgh
Nurtan Esmen PhD, University of Pittsburgh (Emeritus)
Linda Forst MD, Michigan State University
Lee Friedman PhD, University of Illinois Chicago
Leonard Go MD, University of Illinois Chicago
Gabriela Gracia PhD, University of Illinois Chicago
Kim Hargis MD, University of Illinois Chicago
Ira Heimler PhD, University of Wisconsin-Milwaukee
Alfreda Holloway-Beth PhD, University of Illinois Chicago
Daniel Hryhorczuk MD, University of Illinois Chicago (Emeritus)
David Ibrahim PhD, University of Illinois Chicago
Susan Kaplan JD, University of Wisconsin-Madison
Honghyok Kim PhD, Korea University
An Li PhD, University of Wisconsin-Madison (Emerita)
Dana Madigan PhD, University of Illinois Chicago
Kristen Malecki PhD, Johns Hopkins University
Linda Rae Murray MD, University of Illinois Chicago
Peter Orris MD, Rosalind Franklin University
Michael Petros DrPH, University of Illinois Chicago
Preethi Pratap PhD, University of Cincinnati
Peter Scheff PhD, University of Illinois Chicago (Emeritus)
Yuan Shao PhD, University of Minnesota
Abhilasha Shrestha PhD, University of Illinois Chicago
Margaret Sietsema PhD, University of Illinois Chicago
Ivorie Stanley MD, Morehouse School of Medicine
Joseph Zanoni PhD, University of Illinois Chicago

Division of Epidemiology and Biostatistics

Robert Anderson PhD, University of Michigan (Emeritus)
Lester Arguelles PhD, University of Illinois Chicago
Saria Awadalla PhD, University of Rochester
Robert Bailey PhD, Harvard University (Emeritus)
Sanjib Basu PhD, Purdue University
Julia Anglen Bauer PhD, Boston University
Dulal Bhaumik PhD, University of Maryland, Baltimore County
Rebecca Campbell PhD, Johns Hopkins University
Edwin Chen PhD, University of California, Los Angeles (Emeritus)
Hua Yun Chen PhD, University of Michigan
Zhengjia Chen PhD, University of Southern California
Hakan Demirtas PhD, Penn State University
Therese Dolecek PhD, University of Illinois Chicago (Emerita)
Mark Dworkin MD, Rush Medical College
Sally Freels PhD, Northwestern University (Emerita)
Vincent Freeman MD, University of Chicago
Sylvia Furner PhD, University of Illinois Chicago (Emerita)
Wayne Giles MD, Washington University in St. Louis (Dean)
Paul Goldstein PhD, Case Western Reserve University (Emeritus)
Ronald Hershow MD, Cornell University
Li Liu PhD, University of Illinois Chicago
Jay Olshansky PhD, University of Chicago
Lawrence Ouellet PhD, Northwestern University (Emeritus)
Victoria Persky MD, Albert Einstein University
Caryn Peterson PhD, University of Illinois Chicago
Kristin Rankin PhD, University of Illinois Chicago
Garth Rauscher PhD, University of North Carolina at Chapel Hill
Steven Seweryn EdD, Benedictine University
Leslie Stayner PhD, University of North Carolina at Chapel Hill (Emeritus)
Jiehuan Sun PhD, Yale University
Sharon Telleen PhD, University of Maryland (Emerita)
Mary Turyk PhD, University of Illinois Chicago
Meida Wang PhD, Michigan Technological University
Wayne Wiebel PhD, Northwestern University (Emeritus)
Hui Xie PhD, Columbia University
Rrita Zejnullahi PhD, Northwestern University

Division of Health Policy and Administration

Adam Andersen DPT, Governors State University
Frank Borgers PhD, Ohio State University
Frank Chaloupka PhD, New York Medical College (Emeritus)
Jamie Chriqui PhD, University of Maryland, Baltimore County
Karen Conrad PhD, University of Illinois Chicago
Kendon Conrad PhD, University of Illinois Chicago (Emeritus)
Kevin Croke PhD, Northwestern University (Emeritus)
Jeffrey Drope PhD, University of New Mexico
Marian Fitzgibbon PhD, Boston College
Benn Greenspan PhD, University of Illinois Chicago (Emeritus)
Carlo Govia MBA, University of Chicago
Elizabeth Jarpe-Ratner PhD, University of Illinois Chicago
Sage Kim PhD, University of Illinois Chicago
Jennifer Kwok PhD, University of California, Berkeley
Pierre Leger PhD, University of Western Ontario
Judith Levy PhD, Northwestern University (Emerita)
Edward Mensah PhD, Iowa State University (Emeritus)
Betsy Porter JD, Loyola University Chicago
Lisa Powell PhD, Queen's University
Richard Sewell MPH, University of Oklahoma
Sandra Slater PhD, University of Illinois Chicago
Emily Stiehl PhD, University of Pittsburgh
Daniel Swartzman JD, Northwestern University (Emeritus)
Nicholas Tilipman PhD, Cornell University
Christina Welter DrPH, University of Illinois Chicago
Larry Wrobel DHA, Medical University of South Carolina
Jack Zwanziger PhD, Rand Graduate School (Emeritus)

College of Urban Planning and Public Affairs

Department of Public Administration (p. 35)
Department of Urban Planning and Policy (p. 36)

Department of Public Administration

Kate Albrecht PhD, North Carolina State University
Jered Carr PhD, Florida State University
Federica Fusi PhD, Arizona State University
Allyson Holbrook PhD, Ohio State University
Stephen Kleinschmit PhD, North Carolina State University
Agustina M. Laurito PhD, New York University
Kelly LeRoux PhD, Wayne State University

Admissions, Registration & Finances

- Admissions (p. 37)
- Financial Aid (p. 40)
- Registering and Enrolling in Courses at UIC (p. 41)
- Student Tuition, Fees, and Assessments (p. 47)

Admissions

Mailing Address:
Office of Undergraduate Admissions (MC 018)
University of Illinois Chicago
Student Services Building
1200 West Harrison Street, Suite 1100
Chicago, Illinois 60607-7161

Office of Graduate and Professional Admissions (MC 018)
University of Illinois Chicago
Student Services Building
1200 West Harrison Street, Suite 1100
Chicago, Illinois 60607-7161

Contact Information:
Office Location: 1100 Student Services Building (SSB)
(312) 996-4350
admissions.uic.edu

Admissions Application Procedures

All undergraduate applicants who wish to attend UIC must submit the Common Application or UIC Application online. All first year applicants must use the Common Application. Please go to the admissions website to start the application process. Applicants must also submit all supporting documents and the required nonrefundable application fee (or application fee waiver) by the appropriate deadline to ensure an application review. All credentials presented for admission become the permanent property of the university, cannot be subsequently released to the student or to another individual or institution, and may not be held for reconsideration of admission to subsequent terms.

For information about registration as a visitor/auditor, see the Registering and Enrolling in Courses at UIC (p. 41) section of the catalog.

English Language Competency Requirement for All Applicants

Minimum requirements for competence in English apply to all applicants. An applicant may establish competence in English by certifying that the following requirements have been fulfilled in a country where English is the only official/native language *and* in a school where English is the primary language of instruction:

1. Successful completion of a minimum of two academic years of full-time study at the secondary school or college level immediately prior to the proposed date of enrollment in the university.
2. Applicants who have a minimum of one-year full-time employment in the U.S. or other country where English is the only official language. Applicants must submit a letter from their employer (on company letterhead) verifying at least 12 consecutive months of employment and describing the applicant's English language ability.

Applicants who do not meet the above requirement may provide sufficient evidence of competence in English by achieving a minimum score on any of the following tests:

- TOEFL iBT score of 80; the iBT (Internet-based Test of English as a Foreign Language) is administered by the Educational Testing Service.
- a minimum IELTS score of 6.5, with subsection minimums as follows: listening 6, writing 6, reading 6, speaking 6;
- PTE Academic of 54 with subscores of listening 47, writing 56, reading 51, and speaking 53. Higher scores may be required for some programs and colleges.

Please note that higher scores may be required for some programs and colleges. This requirement may be waived by the Executive Director of Admissions and the dean of the college concerned if the applicant can provide evidence of competence in English that will clearly justify a waiver. Waivers may be justified based on standardized scores (ACT, SAT, AP, IB) on a case-by-case basis.

Undergraduate Applications and Credentials Deadlines

Students must apply online prior to the deadlines listed on the Office of Admissions website. Applications and credentials must be postmarked by this deadline to guarantee an admission review.

Some upper-division and health sciences programs have special deadline dates that may be earlier. Refer to the Office of Admissions website or the undergraduate application for current dates.

First Year Applicant

A first year applicant is either:

1. one who applies for admission while attending high school, regardless of the amount of college credit earned or
2. one who has graduated from high school but has never attended a college or university.

First Year Applicant Admission Requirements

Transfer Applicant

A transfer applicant is one who:

1. has completed any amount of college credit after high school graduation and
2. does not meet the definition of a first year applicant or a readmission applicant.

Some curricula require additional semester hours and/or the completion of specific core courses. For specific requirements in each curriculum, consult the admissions website.

Transfer Student Admission Requirements

Evaluation of Transfer Work for Undergraduate Admission and Transfer Credit

1. Transfer work[a] is evaluated for admission purposes and considered for credit. The university evaluates transfer work completed at institutions accredited by a regional or national accrediting

Students who are currently enrolled and who are applying to one of the other campuses for the immediately succeeding semester do not pay an application fee. "Immediately succeeding semester" may mean either the spring semester if the applicant completed the fall semester at the other campus, or it may mean the summer or fall term, provided the applicant completed the spring semester at the other campus.

Readmission Applicant

Readmission applicants are former UIC students who were registered as degree-seeking undergraduates and who left the university for two or more semesters in succession (summer session excluded). Readmission applicants are considered for readmission on the basis of their status at the time they left the university, any college work they have completed elsewhere since their last attendance at the university, and the availability of space in the chosen program. Degree-seeking readmission applicants do not pay the application fee.

Readmission Requirements

Nondegree Applicant

Students who do not presently wish to enroll in a degree program at UIC, but who wish to take courses for credit may apply for nondegree status. During the fall and spring semesters, acceptance of a student in nondegree status is at the discretion of the dean of the college to which the student is applying. Nondegree applicants for fall and spring semesters must meet all regular admission requirements and submit a nondegree petition before being approved to apply. A complete application is then required for review.

Nondegree Admission Requirements

Summer Session Applicant

A student who wishes to take undergraduate courses at UIC during the summer only and who does not intend to continue at UIC in the fall may apply as a Summer Session student. Typical Summer Session students include students enrolled in degree programs at other colleges or universities who are in the Chicago area for the summer. Individuals who have already completed undergraduate degrees but need to take undergraduate-level courses to fill deficiencies in preparation for advanced study may also apply as Summer Session students.

Summer Session Requirements

International Applicant

An international applicant is a person who is a citizen or permanent resident of a country or political area other than the United States and who has a residence outside the United States to which he or she expects to return, and either is, or proposes to be, temporarily in the United States for educational purposes.

The university is authorized under federal law to enroll academically qualified nonimmigrant students.

International students who will need to apply for F-1 or J-1 immigration status must register as full-time, degree-seeking students and are not eligible for financial aid.

International Application Requirements

Guaranteed Professional Program Admissions

The Guaranteed Professional Program Admissions (GPPA) is one of UIC's programs for academically talented students. Each fall, up to 150 motivated and highly qualified entering freshmen can be admitted to UIC with admission guaranteed to one of the following professional or graduate programs if undergraduate course and performance criteria are met:

- Applied Health Sciences
  - Biomedical Visualization
  - Health Information Management
  - Nutrition
  - Kinesiology
  - Occupational Therapy
  - Physical Therapy
- Business
  - Accounting
  - Business Analytics
  - Management Information Systems
- Dentistry
- Education
- Engineering
  - Biomedical Engineering
  - Chemical Engineering
  - Civil Engineering
  - Computer Science
  - Electrical and Computer Engineering
  - Industrial Engineering
  - Materials Engineering
  - Mechanical Engineering
- Law
- Medicine
- Nursing
- Pharmacy
- Public Health
- Urban Planning and Public Affairs
  - Civic Analytics
  - Public Administration
  - Public Policy
  - Urban Planning and Policy

To request more information, consult the GPPA website. Application and program information questions can be directed to (312) 355-2477 or gppauic@uic.edu.

Honors College

The UIC Honors College enhances opportunities for intellectual challenge and leadership by fostering a community of academic excellence, connecting outstanding undergraduate students with premier faculty mentors, and promoting scholarly engagement. By bringing together exceptional undergraduate students, faculty, and staff, the Honors College provides an environment for advanced intellectual growth and a foundation for life-long learning.

3. Federal Direct PLUS Loan
4. Federal Pell Grant
5. Federal Supplemental Educational Opportunity Grant (FSEOG)
6. Federal TEACH Grant
7. Iraq and Afghanistan Service Grant
8. Other Federal, State, Private, or Institutional Aid

If the R2T4 calculation results in a credit balance on the student's account, it will be disbursed as soon as possible and no later than 14 days after the calculation of the R2T4.

If a student did not receive all of the funds earned, the student may be eligible for a post-withdrawal disbursement. If the post-withdrawal disbursement includes loan funds, the school is required to get the student's permission before these can be disbursed. Loans must be offered to the student within 30 days, allowing the student at least 14 days to respond to accept or decline the funds. Once the permission is received, the school must make the post-withdrawal disbursement of Title IV loans within 180 days of the school's determination that the student withdrew. The student may decline some or all of the loan funds so additional debt is not incurred. The school may use all or a portion of the post-withdrawal disbursement of grant funds for tuition, fees, and room and meal plan charges. The school is required to get the student's permission for any post-withdrawal grant disbursement for all other school charges. If the student does not give permission, the student will be offered the grant funds. The school must make the post-withdrawal disbursement of grants within 45 days of the school's determination that the student withdrew. Please note that there are some Title IV funds that may be scheduled to be received and cannot be disbursed to the student after withdrawal because of other eligibility requirements.

If a student needs to withdraw from all of their classes, they are encouraged to speak to a financial aid advisor before doing so to determine how it may affect their financial aid and their Satisfactory Academic Progress

Registering and Enrolling in Courses

Registration and Enrollment Information and Policies

Accessing and Using my.UIC

UIC's comprehensive online resource for students is called my.UIC and can be found at https://my.UIC.edu. Students can use my.UIC to access important information and complete many essential tasks related to being a student at UIC. For example, students can use my.UIC to access XE Registration to register for courses, view their course schedule or degree audit, and update personal information. Students should see the First Time Portal Users section of my.UIC for information on establishing the necessary User IDs (netid and EnterpriseID) for access.

Email Is the Official Method of Campus Communication

All students are responsible for maintaining a valid university email address and/or forwarding university emails to their preferred non-university email address. If students choose to forward emails or change their service, they are still responsible for this information. [OFFICIAL] campus announcements will be sent out via mass email to students for all official information students must be aware of. Colleges and/or departments maintain separate email listservs, which may be used to convey specific information to their own students.

Crucial messages, such as the availability of students' tuition E-Bill or registration Time Ticket, will be sent directly to their UIC email account. Students can create an email account after activating the Network ID (netid) that was assigned to them upon admission. For additional information on creating a UIC email account or forwarding UIC email, visit the Technology Solutions web page.

Before Registering for the First Time

Newly admitted students have a number of steps to complete prior to enrolling. Visit the Office of Admissions website to learn more about enrollment steps. These steps typically include the following items:

- Taking the necessary placement tests. Visit the Testing Services website for more information about placement testing for first year and transfer students.
- Participating in New Student Orientation and discussing course selection with an academic advisor. Visit the New Student Orientation website for more information.

Initial Academic Advising and New Student Orientation

Students who have been granted admission for the fall semester are invited (after taking placement tests) by their college to orientation and advising on campus during the summer months. At that time they are advised by representatives of their college who assist them in selecting courses for the fall semester.

Students admitted for the spring semester will receive academic advising as part of a spring orientation day. Due to course availability, transfer students are advised to register for classes as early as possible, prior to their orientation/advising dates.

Registering for Courses

The Office of the Registrar is responsible for handling course registration and official academic records, called transcripts.

Students register for classes through XE Registration, found at my.UIC, and may consult the Office of the Registrar's website for additional information on using the system to register for courses. Please note that privileges in XE Registration may be restricted due to excessive attempts to register amounting to abuse of university computing resources.

Change of Course Schedule—Dropping Courses

The course self-drop deadline (using my.UIC) is the second Friday of fall and spring for Part of Term 1, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2.

Starting with the third week and ending with the tenth week of the term (third Wednesday of Summer Session 1 and weeks 2 through 5 for Summer Session 2), undergraduate students may drop individual courses in their college offices, up to the maximum permitted limit of four over the course of their undergraduate degree programs. Undergraduate and graduate students who drop during this time period will receive a W grade on their academic records. **There is no refund for course drops made**

Because the courses offered by the University of Illinois Chicago are intended for students registering for academic credit, attending class as an auditor is a privilege granted only when certain requirements and conditions are met.

Courses taken for audit do not apply toward any academic degree and do not count as part of a student's full-time or part-time course load for purposes of financial aid, loan deferments, athletic eligibility, or fulfillment of the enrollment residence requirement.

Requirements and Conditions:

- Attending class as an auditor is permitted on a space-available basis on or after the first day of instruction.
- Audit registration requires the approval of the course instructor and college, and must be completed no later than the last day of late registration.
- Registration for an audited course will appear on the transcript with a grade of AU.
- Students who audit a course do not have the privilege of participating in the course activities in any way.
- The instructor or college may refuse to permit an audit registration in a course.
- Not all courses may be audited. Each college/department may designate courses that do not accept auditors.
- Individual college policies, in some cases, may prohibit a student from enrolling for credit after a course has already been taken on an audit basis.
- A student does not receive academic credit for an audited course and is not eligible to take a proficiency examination based on the content of the audited course.
- A person who is auditing and wishes to take the course for credit must change the registration by the end of the late registration period.
- Degree-seeking students considering the audit option should discuss it with their academic advisors to determine if it is the best choice, or if another grading option, such as credit/no credit, may be more appropriate.

Procedure:

Students planning to audit a course must complete the following procedure:

- The opportunity to audit is allowed for degree-seeking students and UIC faculty and staff. Those outside of UIC must first gain admission as a nondegree student before requesting to audit a class.
- A registration audit request may not be completed until the first day of classes.
- Persons who wish to audit must obtain a Visitor's Permit form from the Office of the Registrar during the Late Registration/Add-Drop period. They must secure the written approval of the course instructor and the college offering the course, submit the approved Visitor's Permit to the Office of the Registrar no later than the second Friday of fall and spring semester (please check the Office of the Registrar website for the summer session deadlines). Note that applicable tuition and fees apply for audited coursework. If solely taking classes as an auditor, full fees and applicable tuition are applied.
- An audited course will be indicated on a student's academic record with a grade of AU. Faculty and staff who wish to have a grade of AU reflected on an academic record must be admitted as a student.

Transcripts

Students may request copies of their official transcripts from the Office of the Registrar. Students who have been admitted to the university pending the receipt of credentials are not eligible to receive transcripts until these obligations are cleared. For mailed-in requests, students should allow at least two weeks from the date of their request for their transcripts to be processed. Online requests are typically mailed or ready for pickup the next business day. There is a charge for each transcript.

Withdrawal from the University

Withdrawal from the university is governed by specific regulations that must be observed to protect the student's academic standing. Failure to do so results in a grade of F (failure) in each course in which the student is registered. During the online drop/add period for each term, students may withdraw using Student Self-Service. See online withdrawal instructions. After the online drop/add period, undergraduate students should initiate an official withdrawal on the Office of the Registrar's website.

Students who withdraw from all courses for which they are enrolled are considered withdrawn from the university. Students who withdraw from the university are eligible to register for a subsequent term unless they lose their continuing student status. Students lose their continuing student status when they have not attended UIC for two or more semesters in succession (excluding summer session or an approved leave of absence). Students whose enrollment has been interrupted for two or more semesters in succession must submit an application for readmission to the university.

A student who has been charged with an offense that may result in disciplinary action may not officially withdraw from the university until the hearing of the case has been conducted by the appropriate disciplinary committee.

Withdrawal to Enter U.S. Military Service

Policies and Procedures Regarding Undergraduate Students Leaving for and Returning from Military Service

Students who have been called to military service or who anticipate being called are entitled to certain rights as defined by the University Senate and outlined below. Students withdrawing for military service can do so quickly and easily and will know what steps are required to reenroll at the end of their deployment. Students begin the process of withdrawing from or returning to UIC with the two offices described below that have designated staff to work with students leaving for military service and returning veterans.

Office of the Registrar
Student Services Building, Room 1200
1200 West Harrison Street
(312) 996-8600

The Veteran's Registration Coordinator in the Office of the Registrar coordinates the formal withdrawal from the university and classes, tuition and fee refunds, and health insurance options; coordinates with academic departments on issues of grades and graduation; and activates a student's enrollment upon return to the university. All students withdrawing from or returning to UIC from military service must meet with the Veteran's Registration Coordinator. Students should bring

Any applicant who knowingly withholds information or gives false information on an application for admission or readmission may become ineligible for admission to the university or may be subject to discipline.

Medical Immunization Requirements

The Illinois Department of Public Health mandates that all students born on or after January 1, 1957, entering a postsecondary institution are required to present documented proof of immunity against measles, mumps, rubella, tetanus and diphtheria and meningitis as a prerequisite to registration. The Medical Immunization Form can be found on the Office of the Registrar's website. In addition, students may request that their Illinois high school health record, the Certificate of Health Examination, be forwarded to the university at the time that the high school transmits the official high school academic record.

Those students who are not properly immunized and have not submitted a written statement of medical, religious, or philosophical objection exemption are required to undergo immunization within the first term of enrollment. Failure to provide the required proof of immunity shall prevent a student from enrolling in a subsequent term. Students registering for on-campus course(s) (includes previous terms) and are registered for more than 5 semester hours (includes previous terms) are required to fulfill immunization requirements. Prior to registering for on-campus courses or for more than five credit hours, students must submit the required proof of immunity which can be found online at the Office of the Registrar's website.

Questions pertaining to acceptable proof of immunity may be directed to the Office of Medical Immunization Records, Student Services Building or (312) 413-0464. The mailing address is

Office of Medical Immunization Records
Student Services Building
1200 West Harrison Street, Suite 1200
Chicago, Illinois 60607

Social Security Number (Student Identification Number)

In accordance with the Privacy Act of 1974, applicants for admission and enrolled students are advised that the requested disclosure of the social security number is voluntary. The applicant or student has the right to refuse disclosure of this number or request its removal from records without penalty. If no social security number is entered or submitted as part of the application process, then a special 9-digit Temporary Control Number (TCN) is assigned.

The social security number is needed to help identify student financial records. It is required as an identifier for grants, loans, and other financial aid programs. It may also be needed to verify the accuracy of admission-related records and permanent academic records. Social Security Numbers not supplied in the application process but later submitted as part of the Free Application for Federal Student Aid will become part of the student record.

Any inaccuracies in social security number (or assigned student number) should be reported immediately to the Office of the Registrar.

The social security number will not be disclosed to individuals or agencies outside the University of Illinois except in accordance with the UIC Student Records Policy and applicable law.

Use of Animals in Instruction

The University of Illinois Chicago offers certain courses in which live, euthanized, or preserved vertebrate animals are used as part of course requirements. Such courses are identified in the Schedule of Classes with the note “Animals used in instruction.”

Students who have ethical concerns about the use of animals in teaching have the responsibility to contact the instructor, prior to enrollment in any course in which animals may be used as part of course instruction, to determine whether class exercises involving animals are optional or required, and what alternatives, if any, are available. If no alternatives are available, the refusal to participate in required activities involving animals may result in a failing grade in the course.

Rights under the Family Educational Rights and Privacy Act

Annually, the University of Illinois Chicago informs students of the Family Educational Rights and Privacy Act (FERPA). FERPA affords students certain rights with respect to their education records. They are as follows:

1. The right to inspect and review the student’s education records within 45 days of the day the university receives a request for access. Students should submit to the Office of the Registrar, dean, department head, or other appropriate records custodian, written requests that identify the record(s) they wish to inspect. The university official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the university official to whom the request was submitted, that official will advise the student of the correct official to whom the request should be addressed.
2. The right to request the amendment of the student’s education records that the student believes are inaccurate or misleading. Students may ask the university to amend a record that they believe is inaccurate or misleading. They should write to the university official responsible for the record, clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading. If the university decides not to amend the record as requested by the student, the university will notify the student of the decision and advise the student of his or her right to a hearing regarding the request for amendment. Additional information regarding the hearing procedures will be provided to the student when notified of the right to a hearing.
3. The right to consent to disclosures of personally identifiable information contained in the student’s education records, except to the extent that FERPA authorizes disclosure without consent. One exception, which permits disclosure without consent, is disclosure to school officials with legitimate educational interests. A school official is a person employed by the university in an administrative, supervisory, academic, research, or support staff position (including law enforcement personnel and health staff); a person or company with whom the university has contracted (such as an attorney, auditor, or collection agent); a person serving on the University of Illinois Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks. A school official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.

The faculty member shall make every reasonable effort to honor the request, not penalize the student for missing the class, and if an examination or project is due during the absence, give the student an exam or assignment equivalent to the one completed by those students in attendance. If the student feels aggrieved, he or she may request remedy through the campus grievance procedure."

2. Although this policy was adopted to accommodate students' observances of religious holidays, students must take care not to abuse the policy. It would be unreasonable, for example, for a student to request a two-week absence from classes for religious purposes.
3. Information concerning specific religious holidays may be obtained from the Office of the Dean of Student Affairs or from Student Development Services.
4. Student Academic Grievance Procedures (see University Degree Requirements, Graduation, and Commencement (p. 100) section of the catalog) are applicable to students who feel aggrieved by the implementation of this policy.

Student Tuition, Fees, and Assessments

Undergraduate degree-seeking students are provided a four-year tuition guarantee. The purpose of the undergraduate guaranteed tuition program is to provide a high degree of certainty about tuition costs for students and families. The plan applies to all undergraduate students enrolled in a baccalaureate degree program on one of the three campuses of the University of Illinois. The plan treats every student as part of a cohort defined by the date of entry to the university. Each cohort is guaranteed an unchanged tuition schedule for four years. Students extending their graduation beyond four years should be prepared for a tuition increase. Please note that fees are subject to change annually. For more information on guaranteed undergraduate tuition, consult the university-wide student programs website.

Tuition, Fees, and Assessments

By registering for classes, students contract to pay tuition and fees unless they officially withdraw by the published refund deadline. Tuition and fees are assessed on registered students and are payable by the due date reflected on the online bill. The amount of tuition and fees varies by the date a student enters the university, state residence status, changes in student level, changes of program within the university, and the number of semester hours for which the student registers. Subsequent changes in the number of hours carried could result in a change from the amounts originally assessed. See the Office of Admissions website for more current and complete information on undergraduate tuition, fees, and assessments.

State Residence Classification

The state residence classification of an applicant is determined on the basis of information given on the application and other credentials. Tuition is assessed in accordance with this information. A student who has legitimate cause for change of status may petition for change on a Residency Petition form provided by the Office of Admissions. See Regulations Governing the Determination of State Residence Status for Admission and Assessment of Student Tuition (p. 51).

Exemptions and Assessments

A student who qualifies under the stated conditions may be exempted from one or more of the following charges. Tuition is waived for:

1. Holders of tuition-waiver scholarships.
2. All academic employees, except graduate assistants, of the university on appointment for at least 25 percent of full-time service. Such appointments require service for not less than three-fourths of the term.
   a. Tuition may be waived for the total number of semester hours taken by an academic employee. The total number of semester hours that can be taken by academic employees is determined by the employee's college.
   b. The staff members must provide service for at least three-quarters of the term in which the coursework is taken to maintain the waiver. The term is defined as beginning with the first day of class and extending through final examinations. For staff members who resign their appointments or otherwise become ineligible for a waiver, the waiver is void; the staff member is responsible for payment of the full amount of tuition unless an official withdrawal from the university is initiated immediately.
   c. Enrollment in courses will be in accordance with all university and campus rules and regulations.
   d. The academic/professional employee and his/her head or director will determine the manner in which job responsibilities are to be carried out while the employee is taking coursework.
3. Support staff employees:
   a. Support staff employees of the university in status appointments or in appointments designed to qualify for status in an established class (e.g., trainee, intern) who register in regular university courses not to exceed Range II in a semester if on full-time appointment or Range III if on 50 to 99 percent time appointment. They must also
      i. meet conditions and eligibility for admission as prescribed by the Office of the Registrar;
      ii. not be students as defined in Civil Service Rule 7.7c; and
      iii. have approval from their employing departments for enrollment and a makeup schedule to cover any time in course attendance during their regular work schedule. The waiver of tuition also applies to any additional hours of registration by employees that keep them within the same fee assessment credit range. Employees whose total registration is in a higher range than that authorized by their tuition waiver pay only the difference between the waiver authorization and the higher range in which their total registration places them.
   b. Support staff employees in a status, learner, trainee, apprentice, or provisional appointment who enroll in regular courses directly related to their university employment are included. The number of credit hours per term may not exceed Range II. Employees must have made application and received prior approval for enrollment as required by procedures issued by the director of support staff personnel and set forth in the publication *Policy and Rules Nonacademic*.
4. Holders of graduate tuition-and-fee waivers awarded by the Graduate College.
5. Holders of outside-sponsored grants or contracts that provide payments to cover the total costs of instruction.
6. Cooperating teachers and administrators who receive assignment of practice teachers; social agency field instructors who receive

The application fee may be waived for:

1. Members of the university faculty and staff.
2. Extramural nondegree applicants.
3. Applicants who, because of extreme financial hardship, cannot meet the cost of the fee. (Subject to the approval of the Managing Director of Admissions.)
4. Applicants under approved international exchange programs in which the university participates and international students participating in approved exchange programs where the waiver of fees is reciprocal.
5. University of Illinois intercampus transfers at the same level: undergraduate to undergraduate, graduate to graduate, or professional to professional.
6. Applicants denied admission to one campus who wish to apply for admission on the same level at another campus for the same term.
7. Graduate and professional applicants whose entry is advanced or delayed by action of their major departments.
8. UIC students applying for work on a second campus as concurrent registrants.
9. Cooperating teachers and administrators who receive assignment of student teachers; social agency field instructors who receive assignment of social work students.
10. Students on “leave of absence” status who are re-entering.
11. Summer Session Only (SSO) applicants.

The following UIC Student Fees are assessed upon enrollment:

Service Fee

This fee supports staff salaries, programming, general operating expenses, and some student financial aid such as the UIC Access to Excellence grant, athletics and other scholarships (e.g. student travel scholarships and student research scholarships), student awards and prizes, waivers and honorariums for the following student service areas: Student Centers, Intercollegiate Athletics, Student Leadership Programs, Student Legal and Ombudsperson Services, Student Government, and student services at Rockford, Peoria and Quad Cities. The fee is mandatory.

The service fee is waived for:

1. Holders of tuition-and-fee waivers awarded by the Graduate College.
2. Holders of grants or contracts from outside approved sponsors if the service fee is charged to the contract or to grant funds.

The following groups are exempt from the service fee:

1. All the staff members of the university who are on appointment for at least 25 percent of full-time service.
2. Cooperating teachers and administrators and social agency field instructors who meet the qualifications of item 6, tuition waiver exemptions.
3. Persons registered in noncredit seminars only.
4. University employees registered at the request of their department in noncredit courses for the purpose of improving their work.
5. University of Illinois retirees.
6. Teacher of the Year.

General Fee

This fee supports the fixed costs, such as utilities, of operating fee-supported facilities on campus including: Student Centers, Campus Recreation, Campus Housing, the UIC Pavilion, the UIC Forum, and the Flames Athletics Center. The fee is mandatory.

Health Service Fee

This fee supports staff salaries, programming, and general operating expenses for the campus health service providers: Family Practice/ Student Health Center, the Counseling Center, the Wellness Center, and pharmacy services. The fee is mandatory.

Health Insurance Fee

This fee provides health insurance that is mandatory for students. The fee is assessed on all students who enroll but may be waived for those who can demonstrate equivalent health insurance coverage.

Student-to-Student Fee

This fee provides financial support to undergraduate and graduate students who demonstrate high financial need. The fee is mandatory and is assessed each term. However, it is refundable each term if a cancellation is requested.

Sustainability Fee

This fee supports efforts to improve the quality of campus operations, reduce UIC’s environmental impact, and generate awareness about environmental issues by creating opportunities for students’ involvement.

Transportation Fee—CTA U Pass

Full-time (12 or more hours) undergraduate, full-time (9 or more hours) graduate, and full-time (12 or more hours) professional students are assessed a transportation fee for the CTA U Pass.

International Student Fee

The fee is assessed to international students and will allow the Office of International Services to continue to provide essential services, upgrade technologies used for student advising, increase programming options, and host cultural events to increase and expand upon the "UIC Experience.”

Assessments

Academic Facilities Maintenance Fund Assessment

The Academic Facilities Maintenance Fund Assessment (AFMFA) is assessed to address the deferred maintenance backlog in academic facilities.

Library and Information Technology Assessment

In order to generate resources to improve the learning environment, a Library and Information Technology Assessment is charged to students.

International Tuition Surcharge

International students entering Fall 2016 and after, pay a higher tuition rate as compared to Illinois and U.S. residents. In general, tuition revenue is used to support operating expenses of the university, faculty and staff salaries, including resources that enhance the undergraduate student experience.

Other Fees and Charges

One or more of the following additional fees and/or charges are assessed as applicable.

University Bursar Contact Information
Email: bursarhelp@illinois.ecu
Website: http://paymybill.uillinois.edu
Phone: (312) 996-8574

Encumbered Students

An encumbered student is one who owes any money to the university. Encumbered students will not be permitted to register until their indebtedness has been paid.

Past due accounts are subject to a Late Payment Charge at the annual percentage rate of 18 percent (1.5 percent per month on the unpaid balance of each month or $1.00, whichever is greater). Account balances 60 days or more past due will be assessed a Penalty of $2.00 per month in addition to the Late Payment Charge.

Please note that the University of Illinois Chicago does refer past due accounts for collection. Where appropriate, the university will authorize legal action to effect settlement of an account. Students will be liable for all reasonable collection costs, including attorney fees and other charges necessary for the collection of a past due account.

Veterans Affairs Pending Payments

Effective August 1, 2019, and despite any policy to the contrary, UIC will not take any of the four following actions toward any student using the U.S. Department of Veterans Affairs (VA) Post 9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while their payment from the United States Department of Veterans Affairs is pending to the educational institution.

- Prevent their enrollment;
- Assess a late penalty fee;
- Require they secure alternative or additional funding;
- Deny their access to any resources (access to classes, libraries, or other institutional facilities) available to other students who have satisfied their tuition and fee bills to the institution.

However, to qualify for this provision such students may be required to:

- Produce the VA's Certificate of Eligibility by the first day of class;
- Provide written request to be certified;
- Provide additional information needed to properly certify the enrollment as described in other institutional policies (see the VA School Certifying Official for all requirements).

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offered by VA is available at the official U.S. government website.

Refunds

Refunds of a portion of tuition and fees may be authorized for students withdrawing from the university or from one or more courses, depending on the timing of the withdrawal. Please consult the Office of the Registrar website for the Refund Schedule.

Refund upon Complete Withdrawal from the University

Requests for withdrawals should be initiated using XE Registration during the late add/drop period or after the late add/drop period, in the student's college office.

Before a refund is made to the student, the university will make a refund to the appropriate financial aid programs providing assistance to the student. If a student is indebted to the university at the time of withdrawal, the amount that is owed will be deducted from the refund amount paid to the student.

Refund on Withdrawal from a Course

If a drop from a course is completed by the second Friday of instruction of the fall or spring semester (the first Wednesday of instruction of Summer Session 1 or first Friday of Summer Session 2) and results in a reduction in the student's total hours to a lower tuition-and-fee range, the full difference is refunded and no W is recorded.

Refund on Withdrawal to Enter Military Service

A student who withdraws from the university to enter military service must meet certain requirements in order to be eligible to receive a refund of tuition and fees or receive academic credit. For full information, see Withdrawal to Enter U.S. Military Service in the Registering and Enrolling in Courses at UIC (p. 41) section, visit the Office of Registrar website, or email Registration Services (registration@uic.edu).

Cancellation of Enrollment

Students who wish to cancel their registration and receive a complete refund of tuition and fees must do so by the end of the online add/drop period. They may do this online or in person at the Office of the Registrar.

Important Note: If a student receives federally funded financial aid, the refund may be adjusted in accordance with federal regulations. If a student owes money to the university, the refund will be reduced by the amount owed.

Regulations Governing the Determination of State Residence Status for Admission and Assessment of Student Tuition

The University of Illinois is a land-grant institution assisted by funding from state of Illinois tax revenue. As a state, tax-assisted institution, the university (with some exceptions) extends preference in admission and tuition to residents of the state of Illinois—that is, to students whose circumstances conform to the university's definition of state resident status stated below.

The University of Illinois' definition of the term "resident" may be different from the definitions developed by other, non-university agencies. Thus, a person who is an Illinois resident for tax or voting purposes, for example, is not necessarily a state resident for University of Illinois tuition and admission purposes. The university's definition of state resident status applies both to payment of tuition and admission to the University of Illinois.

Principal elements determining state residency are domicile in Illinois and actions that evidence the intent to make Illinois the person's permanent residence. A person has but one domicile at any time. Mere physical presence in Illinois, regardless of how prolonged, is insufficient to establish state residency without existence of action and intention to make the place a permanent residence and principal home. In order to establish bona fide residence in Illinois under this policy, a person must demonstrate presence and intent to reside permanently in Illinois for reasons other than educational objectives.

not apply to persons employed on an hourly basis in an academic capacity, nor to persons on leave without pay.

L. Nonresident teachers in the private and public elementary and secondary schools in Illinois holding an appointment of at least one-quarter time shall, if required to pay tuition, be assessed at the resident rate. This privilege also extends to the summer session immediately following the term of the appointment.

Any nonresident teacher who qualifies for resident tuition as described above shall become subject to nonresident tuition for the entire term if the school appointment is vacated prior to completion of three-fourths of the term in question. Resignation or cancellation of the appointment prior to the close of the spring term also cancels the eligibility for the resident tuition privilege in the following summer term.

Factors in Determining State Residency

Bona fide residency must be maintained in the state of Illinois for at least one calendar year immediately preceding the date of receipt of the application for admission; or for tuition purposes, one calendar year immediately preceding the first scheduled day of classes for the term for which resident classification is sought. The following circumstances, although not necessarily conclusive, have probative value in support of a claim for state resident classification.

1. Continuous physical presence—defined as no more than a three-week absence from the state of Illinois—for at least one calendar year as described above.
2. Domicile in Illinois of parent(s) or guardian legally responsible for the student. Domicile in Illinois of spouse.
3. Voting or registration for voting in Illinois.
4. Illinois driver's license or identification card and automobile registration.
5. Financial independence and payment and filing of Illinois income/property taxes and/or ownership of property in Illinois during the tax year or partial tax year immediately preceding the term for which the person is requesting resident classification. Just the filing of an Illinois state income tax form, or filing a form without substantial Illinois income earned, will not be judged as a significant criterion for reclassification.
6. One calendar year of gainful employment in Illinois or proven reliance upon resources in Illinois for more than fifty percent of the income sufficient to provide for tuition, fees, and normal living expenses, e.g., food, clothing, housing, and transportation. Reliance upon income earned from loans is not viewed as evidence of intent to establish residency. Employment in Illinois must be in other than graduate assistantships or student employment.
7. The lease of living quarters and payment of utility bills in Illinois.
8. Former domicile in the state and maintenance of significant connections therein while absent.
9. Admission to a licensed practicing profession in Illinois.
10. Long-term military commitments in Illinois and/or proof that Illinois is the home of record.
11. A one calendar year period of presence in the state for other than educational purposes.
12. Establishment of financial accounts at Illinois institutions.
13. Public records, for example, birth and marriage records.
14. Other official documents verifying legal, official connection with Illinois or with organizations or institutions within the state of Illinois.
15. Exclusive use of the Illinois address when home or mailing address is requested.

The university may request documentation of the evidence. Missing evidence, the lack of evidence, or inconsistent evidence may be used to refute the claim of state residency.

Procedures

The Registrar, or a designee, shall determine the initial state residence classification of each person at the time the person enters or re-enters the university.

A person who is not satisfied with the determination of his/her state residence classification may request that the responsible official reconsider it. For the purposes of admission, the written request must be received by the Office of Admissions within 20 calendar days from the date of notification of state residency status. For the purposes of assessment of tuition, the written request must be received by the Office of the Registrar by September 1 for the fall semester, February 1 for the spring semester, June 1 for the summer term, or some other date as set by the Office of the Registrar.

The request should include the Petition for Determination of Residency Status (available online and from the Office of Admissions) and all other materials that are applicable to the claim. The request and accompanying documentation will not be returned, and the person is advised to maintain a copy for his/her record.

If the person is still not satisfied with the determination after it has been reconsidered, the person may appeal the decision to the director, Office of University-Wide Student Programs. The appeal shall be in writing and shall include reasons for the appeal. The appeal must be received by the Office of the Registrar within 20 calendar days of the notice of the ruling. The appeal will then be referred to the Office of University-Wide Student Programs. A person who fails to file such an appeal within 20 calendar days of the notice of the ruling waives all claims to reconsideration for that academic session. Filing deadlines cannot be extended or waived, and late applications and appeals will not be reviewed. The decision of the Office of University-Wide Student Programs shall be final in all cases.

A person may be reclassified at any time by the university upon the basis of additional or changed information. If the person is classified in error as a state resident, nonresident tuition shall be assessed in the next term; if the person is classified in error as a nonresident, state resident tuition shall be assessed in the term in which the classification occurs, provided the person has filed a written request for a review in accordance with these regulations.

A person who fails to notify the university of a change of facts or provides false information that might affect classification or reclassification from state resident to nonresident status and/or who provides false information or conceals information for the purpose of achieving resident status may be subject to appropriate disciplinary action, as well as other penalties which may be prescribed by law. Further information or clarification may be secured by contacting:

registration@uic.edu
UIC Office of the Registrar
University of Illinois Chicago
1200 West Harrison Street
Chicago, Illinois 60607

Music	Music - BA (p. 156) Music Business - BA (p. 159) Music Education - BMus (p. 166) Performance - BMus (p. 161) Jazz Studies - BMus (p. 164)	Music - Minor (p. 175)
Theatre	Theatre and Performance - BA (p. 168) Theatre Design Production and Technology - BA (p. 171) Acting - BFA (p. 173)	Theatre - Minor (p. 176)
College of Business Administration		
Accounting	Accounting - BS (p. 187)	
Business Administration	Bachelor of Business Administration Completion Program (on-campus) (p. 199) Bachelor of Business Administration Completion Program (online) (p. 200)	
CBA Minors		Accounting - Minor (p. 202) Business Adminstration - Minor (p. 202) Business Analytics - Minor (p. 203) Entrepreneurship - Minor (p. 203) Finance - Minor (p. 204) Human Resource Management - Minor (p. 204) International Business - Minor (p. 204) Leadership - Minor (p. 205) Management Information Systems - Minor (p. 205) Professional Sales and Relationship Management - Minor (p. 206) Real Estate - Minor (p. 206) Supply Chain and Operations Management - Minor (p. 206)
Finance	Finance - BS (p. 188)	
Information and Decision Sciences (IDS)	Information and Decision Sciences - BS (p. 190)	
Managerial Studies	Entrepreneurship - BS (p. 193) Human Resource Management - BS (p. 193) Management - BS (p. 194)	
Marketing	Marketing - BS (p. 195)	
Real Estate	Real Estate - BS (p. 197)	
College of Education		

Computer Science	Computer Science - BS (p. 245) • Computer Systems Concentration (p. 248) • Human-Centered Computing Concentration (p. 250) • Software Engineering Concentration (p. 253) Computer Science and Design - BS (p. 256) Computer Science - Joint BS/MS (p. 273) Data Science - BS • Bioinformatics Concentration (p. 258) • Business Analytics Concentration (p. 259) • Computer Science Concentration (p. 261) • Data Processing Science and Engineering Concentration (p. 263) • Health Data Science Concentration (p. 265) • Industrial Engineering Concentration (p. 266) • Social Technology Studies Concentration (p. 268) • Statistics Concentration (p. 270) • Urban Planning and Public Affairs Concentration (p. 272)	Computer Science - Minor (p. 274) Information Technology - Minor (p. 275)
Electrical and Computer Engineering	Electrical Engineering - BS (p. 279) Computer Engineering - BS (p. 277) Engineering Physics - BS (p. 281) Joint Degrees with MS in ECE: • Computer Engineering/ Electrical and Computer Engineering - Joint BS/MS (p. 282) • Electrical Engineering/ Electrical and Computer Engineering - Joint BS/MS (p. 283) • Engineering Physics/ Electrical and Computer Engineering - Joint BS/MS (p. 284)	Electrical Engineering - Minor (p. 285) Computer Engineering - Minor (p. 285)
Interdisciplinary		International Studies - Minor (p. 293)

English	English - BA with a Major (p. 343) • Literatures in English Concentration • Creative Writing Concentration (Fiction-Poetry-or Nonfiction) • Film-Media-Performance- and Pop Culture Concentration • Professional Writing and Publishing Concentration • Race-Gender and Sexuality-and Multiethnic English Studies Concentration • Rhetoric-Public Engagement- and Language Studies Concentration Teaching of English - BA (p. 349)	English - Minor (p. 350) Logic Argumentation and Writing - Minor (p. 350) Professional Writing - Minor (p. 351) Teaching of English - Minor (p. 351)
French and Francophone Studies	French and Francophone Studies - BA with a Major (p. 351) Teaching of French - BA (p. 353)	French and Francophone Studies - Minor (p. 355)
Gender and Women's Studies	Gender and Women's Studies - BA with a Major (p. 356)	Gender and Women's Studies - Minor (p. 358) Social Justice - Minor (p. 358)
Germanic Studies	Germanic Studies - BA with a Major (p. 359) Teaching of German - BA (p. 360)	Germanic Studies - Minor (p. 362) German Language - Campus Certificate (p. 362)
Global Asian Studies	Global Asian Studies - BA with a Major (p. 363)	Global Asian Studies - Minor (p. 365)
Hispanic and Italian Studies	Spanish - BA with a Major (p. 366) • Spanish for the Professions Concentration (p. 367) Teaching of Spanish - BA (p. 368)	Spanish - Minor (p. 370) Spanish for the Professions - Minor (p. 370) Italian and Italian American Studies - Minor (p. 371) Academic Spanish for Heritage Speakers - Campus Certificate (p. 371)
History	History - BA with a Major (p. 372) Teaching of History - BA (p. 373)	History - Minor (p. 375)
Integrated Health Studies	Integrated Health Studies - BS with a Major • Behavioral Health Concentration (p. 375) • Health and Science Concentration (p. 378)	
Interdepartmental	Liberal Studies - BA with a Major (p. 382)	
International Studies		International Studies - Minor (p. 380)

Psychology	Applied Psychology - BA with a Major (p. 414) Psychology - BS with a Major (p. 415)	Psychology - Minor (p. 417)
Religious Studies		Religious Studies - Minor (p. 417)
Sociology	Sociology - BA with a Major (p. 418) • Data and Analytics Concentration (p. 419) • Health and Medicine Concentration (p. 421) • Professions Occupations and Work Concentration (p. 422) • Sociology for Social Work Concentration (p. 423)	Sociology - Minor (p. 425)
College of Nursing		
Nursing	Nursing - BS (p. 439) RN/BSN Completion Program (p. 440)	
College of Pharmacy		
Pharmacy	Pharmaceutical Sciences - BS (p. 445) Pharmacy - Doctor (p. 448)	
College of Urban Planning and Public Affairs		
Public Policy, Management, and Analytics	Public Policy - BA (p. 468) Public Policy - Joint Degrees with BA: (p. 471) • Master of Public Administration • Master of Public Policy • Master of Urban Planning and Policy • MS in Civic Analytics	Civic Analytics - Minor (p. 472) Nonprofit Management - Minor (p. 472) Public Policy - Minor (p. 473) Research Design and Data Analysis - Minor
Urban Planning and Policy	Urban Studies - BA (p. 474) Urban Studies - Joint Degrees with BA: (p. 477) • Master of Public Administration • Master of Public Policy • Master of Urban Planning and Policy • MS in Civic Analytics	Geographic Information Systems - Minor (p. 478) Sustainable Cities - Minor (p. 478) Urban Studies - Minor (p. 479)
School of Public Health		

- Central and Eastern European Concentration (p. 403)
- Polish Studies Concentration (p. 405)
- Russian Studies Concentration (p. 406)
- Central and Eastern European Studies - Minor (p. 407)
- Chemical Engineering - BS (p. 233)
  - Biochemical Engineering Concentration
  - Energy and Environment Concentration
  - Entrepreneurship Concentration
  - Nanotechnology Concentration
  - Polymers and Molecular Engineering Concentration
  - Process Automation Concentration
- Chemical Engineering - Joint BS/MS (p. 237)
- Chemical Engineering - Minor (p. 238)
- Chemistry - BA with a Major (p. 328)
- Chemistry - BS (p. 329)
- Chemistry - Minor (p. 331)
- Chinese - Minor (p. 385)
- Civic Analytics - Minor (p. 472)
- Civil Engineering - BS (p. 239)
- Civil Engineering - Minor (p. 243)
- Classical Studies - BA with a Major (p. 332)
- Classical Studies - Minor (p. 334)
- Co-Operative Career Experience - Campus Certificate (p. 118)
- Communication - BA with a Major (p. 334)
- Communication - Minor (p. 336)
- Comparative Cultural Studies - Minor (p. 387)
- Computer Engineering - BS (p. 277)
- Computer Engineering - Minor (p. 285)
- Computer Science - BS (p. 245)
  - Computer Systems Concentration (p. 248)
  - Human-Centered Computing Concentration (p. 250)
  - Software Engineering Concentration (p. 253)
- Computer Science - Joint BS/MS (p. 273)
- Computer Science - Minor (p. 274)
- Computer Science and Design - BS (p. 256)
- Computer Science and Linguistics - BS (p. 383)
- Criminology Law and Justice - BA with a Major (p. 336)
- Criminology Law and Justice - Minor (p. 337)
- Data Science - BS
  - Bioinformatics Concentration (p. 258)
  - Business Analytics Concentration (p. 259)
  - Computer Science Concentration (p. 261)
  - Data Processing Science and Engineering Concentration (p. 263)
  - Health Data Science Concentration (p. 265)
  - Industrial Engineering Concentration (p. 266)
  - Social Technology Studies Concentration (p. 268)
  - Statistics Concentration (p. 270)
  - Urban Planning and Public Affairs Concentration (p. 272)
- Design Studies - BA (p. 150)
- Disability and Human Development - BS (p. 116)
- Disability and Human Development - Minor (p. 117)
- Earth and Environmental Sciences - BS with a Major (p. 338)
- Earth and Environmental Sciences - Minor (p. 340)

- International Studies - Minor (p. 380)
- International Studies - Minor (p. 293)
- Italian and Italian American Studies - Minor (p. 371)
- Jazz Studies - BMus (p. 164)
- Joint Degrees with BA in Public Health: (p. 459)
  - MPH-Community Health Sciences Concentration
  - MPH-Environmental and Occupational Health Sciences Concentration
  - MPH-Epidemiology Concentration
  - MPH-Health Policy and Administration Concentration
- Joint Degrees with BS in Public Health (p. 459)
  - MPH-Community Health Sciences Concentration
  - MPH-Environmental and Occupational Health Sciences Concentration
  - MPH-Epidemiology Concentration
  - MPH-Health Policy and Administration Concentration
- Joint Degrees with MS in ECE:
  - Computer Engineering/ Electrical and Computer Engineering - Joint BS/MS (p. 282)
  - Electrical Engineering/ Electrical and Computer Engineering - Joint BS/MS (p. 283)
  - Engineering Physics/ Electrical and Computer Engineering - Joint BS/MS (p. 284)
- Kinesiology - BS (p. 120)
- Kinesiology - Minor (p. 124)
- Latin American and Latino Studies - BA with a Major (p. 380)
- Latin American and Latino Studies - Minor (p. 382)
- Law and Society - Minor (p. 338)
- Leadership - Minor (p. 205)
- Liberal Studies - BA with a Major (p. 382)
- Life Science Visualization - Minor (p. 115)
- Linguistics - Minor (p. 385)
- Logic Argumentation and Writing - Minor (p. 350)
- Management - BS (p. 194)
- Management Information Systems - Minor (p. 205)
- Marketing - BS (p. 195)
- Materials Engineering - Minor (p. 244)
- Mathematics - BS with a Major (p. 388)
- Mathematics - Minor (p. 393)
- Mathematics and Computer Science - BS with a Major (p. 392)
  - Algorithms and Theory Concentration
  - Computational Mathematics Concentration
- Mathematics and Computer Science - Minor (p. 393)
- Mechanical Engineering - BS (p. 287)
- Mechanical Engineering - Minor (p. 292)
- Medical Humanities - Campus Certificate (p. 315)
- Moving Image Arts - Minor (p. 394)
- Museum and Exhibition Studies - Minor (p. 149)
- Music - BA (p. 156)
- Music - Minor (p. 175)
- Music Business - BA (p. 159)
- Music Education - BMus (p. 166)
- Neuroscience - BS (p. 395)
- Nonprofit Management - Minor (p. 472)
- Nursing - BS (p. 439)
- Nutrition - BS
  - Nutrition Science Concentration (p. 121)
- Nutrition - Minor (p. 124)

- Data and Analytics Concentration (p. 419)
- Health and Medicine Concentration (p. 421)
- Professions Occupations and Work Concentration (p. 422)
- Sociology for Social Work Concentration (p. 423)

- Sociology - Minor (p. 425)
- Spanish - BA with a Major (p. 366)
  - Spanish for the Professions Concentration (p. 367)
- Spanish - Minor (p. 370)
- Spanish for the Professions - Minor (p. 370)
- Statistics - BS with a Major (p. 389)
  - Statistical Theory and Methods Concentration
  - Applied Statistics Concentration
- Supply Chain and Operations Management - Minor (p. 206)
- Sustainable Cities - Minor (p. 478)
- Teaching of English - BA (p. 349)
- Teaching of English - Minor (p. 351)
- Teaching of French - BA (p. 353)
- Teaching of German - BA (p. 360)
- Teaching of History - BA (p. 373)
- Teaching of Mathematics - BS (p. 390)
- Teaching of Spanish - BA (p. 368)
- Theatre - Minor (p. 176)
- Theatre Design Production and Technology - BA (p. 171)
- Theatre and Performance - BA (p. 168)
- Urban Education - BA (p. 213)
- Urban Studies - BA (p. 474)
- Urban Studies - Joint Degrees with BA: (p. 477)
  - Master of Public Administration
  - Master of Public Policy
  - Master of Urban Planning and Policy
  - MS in Civic Analytics
- Urban Studies - Minor (p. 479)

Academic Standing

Semester Hours

A semester hour is the university's unit of academic credit. During the fall and spring semesters, a university semester hour represents one classroom period of 50 minutes weekly for one semester in lecture or discussion or a longer period of time in laboratory, studio, or other work. For example, a 3-semester-hour lecture/discussion course could meet three times a week for 50 minutes each period or two times a week for 75 minutes each period. In either case, a student attends the lecture/discussion course for an equivalent amount of time each week during a 15-week semester. A minimum of two 50-minute periods each week per semester hour is required for lab, practicum, or clinical activity. It is expected that students will spend at least the equivalent of two classroom periods of outside preparation for one classroom period per week of lecture or discussion. Those courses in which semester hours exceed contact hours may require additional readings, assigned papers, or other coursework.

To convert semester hours to quarter hours multiply by 1.5; to convert quarter hours to semester hours multiply by 2/3. For example, 30 semester hours are equivalent to 45 quarter hours.

Class Standing

The number of semester hours earned by the student determines class standing within the university.

Semester Hours Earned	Class Standing
1–29	Freshman standing
30–59	Sophomore standing
60–89	Junior standing
90 and above	Senior standing

The university may use class standing to determine a student's eligibility for receiving certain kinds of financial aid and scholarships, applying for some degree programs, enrolling in particular courses, and evaluating progress.

	4	SPAN 202 (3 hours)
	5	SPAN 202, SPAN 203 (6 hours)
Statistics	3–5	College of Business Administration: IDS 270 (4 hours)
Statistics	3–5	College of Liberal Arts and Sciences and all other colleges: STAT 101 (4 hours)
Studio Art: 2-D Design	3–5	Art (4 hours)
Studio Art: 3-D Design	3–5	ART 140 (4 hours)
Studio Art: Drawing	3–5	ART 112 (4 hours)
United States History	3	History (3 hours)
	4–5	HIST 103, HIST 104 (6 hours)
World History	3	History (3 hours)
	4–5	HIST 100, HIST 101 (6 hours)

a *Students admitted prior to Fall 2024 should consult the* archived catalog *from their admission year for information on credit awarded for AP exams.*

International Baccalaureate (IB)

UIC will award credit on the basis of scores earned on the International Baccalaureate examinations as indicated below. For languages not listed below, 4 semester hours of foreign language elective credit will be awarded.

IB Exam Policy for Students Enrolled at UIC beginning in Fall 2024 [a,c]

Exam	Score	Course Equivalent
Anthropology, Social and Cultural		
Standard or Higher Level	4–5	Anthropology Elective Credit (3 hours)
Standard or Higher Level	6–7	ANTH 101 (3 hours)
Arabic A: Language and Literature		
Standard Level	4	ARAB 101 (4 hours)
Standard Level	5	ARAB 101, ARAB 102 (8 hours)
Standard Level	6	ARAB 102, ARAB 103 (8 hours)
Standard Level	7	ARAB 103, ARAB 104 (8 hours)
Higher Level	4	ARAB 101, ARAB 102 (8 hours)
Higher Level	5	ARAB 102, ARAB 103 (8 hours)
Higher Level	6	ARAB 103, ARAB 104 (8 hours)
Higher Level	7	ARAB 201 or ARAB 202, ARAB 103, ARAB 104 (11 hours)
Arabic A: Literature		
Standard Level	4	ARAB 101 (4 hours)
Standard Level	5	ARAB 101, ARAB 102 (8 hours)
Standard Level	6	ARAB 102, ARAB 103 (8 hours)
Standard Level	7	ARAB 103, ARAB 104 (8 hours)
Higher Level	4	ARAB 101, ARAB 102 (8 hours)
Higher Level	5	ARAB 102, ARAB 103 (8 hours)
Higher Level	6	ARAB 103, ARAB 104 (8 hours)
Higher Level	7	ARAB 201 or ARAB 202, ARAB 103, ARAB 104 (11 hours)
Arabic Language AB Initio		
Standard Level	4–5	ARAB 101 (4 hours)
Standard Level	6–7	ARAB 101, ARAB 102 (8 hours)
Arabic Language B		
Standard Level	4–7	ARAB 102, ARAB 103 (8 hours)
Higher Level	4–7	ARAB 103, ARAB 104 (8 hours)
Art History		
Standard Level	4	Art History Elective Credit (8 hours)
Standard Level	5–7	AH 110, AH 111 (8 hours)
Astronomy		
Standard Level	4–7	Astronomy Elective Credit (4 hours)
Biology		
Standard or Higher Level	4	Biology 100-Level Elective Credit (4 hours)
Standard or Higher Level	5–7	BIOS 110, BIOS 120 (8 hours)
Business Management		
Standard or Higher Level	4–7	MGMT 340 (3 hours)
Chemistry		
Standard Level	4–5	CHEM 100 (5 hours)
Standard Level	6	CHEM 122, CHEM 123 (5 hours)
Standard Level	7	CHEM 122, CHEM 123, CHEM 124, CHEM 125 (10 hours)
Higher Level	4	CHEM 100 (5 hours)

Standard Level	6–7	FR 103, FR 104 (8 hours)
French Language B		
Standard Level	4–5	FR 103, FR 104 (8 hours)
Standard Level	6–7	FR 103, FR 104, FR 200-Level Language Course# (11 hours)
Higher Level	4	FR 103, FR 104 (8 hours)
Higher Level	5–7	FR 103, FR 104, FR 200-Level Language Course# (11 hours)
Geography		
Standard Level	4–7	GEOG 100 (3 hours)
Higher Level	4–5	GEOG 100 (3 hours)
Higher Level	6–7	GEOG 100, Geography Elective Credit (6 hours)
German Language A: Language and Literature		
Standard Level	4–5	GER 103, GER 104, GER 211 (11 hours)
Standard Level	6–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
Higher Level	4	GER 103, GER 104, GER 211 (11 hours)
Higher Level	5–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
German Language A: Literature		
Standard Level	4–5	GER 103, GER 104, GER 211 (11 hours)
Standard Level	6–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
Higher Level	4	GER 103, GER 104, GER 211 (11 hours)
Higher Level	5–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
German Language AB Initio		
Standard Level	4–5	GER 103, GER 104, GER 211 (11 hours)
Standard Level	6–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
German Language B		
Standard Level	4–5	GER 103, GER 104, GER 211 (11 hours)
Standard Level	6–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
Higher Level	4	GER 103, GER 104, GER 211 (11 hours)
Higher Level	5–7	GER 103, GER 104, GER 211, GER 318 (14 hours)
Global/World Politics		
Standard or Higher Level	4–5	Political Science Elective Credit (3 hours)
Standard or Higher Level	6–7	POLS 184 (3 hours)
Greek Classic Languages		
Standard or Higher Level	4–5	Classics Elective Credit (4 hours)
Standard or Higher Level	6–7	GKA 103, GKA 104 (8 hours)
History: Route 1		
Standard Level	4–7	History Elective Credit (3 hours)
Higher Level	4	History Elective Credit (3 hours)
Higher Level	5–7	HIST 101 (3 hours)
History: 20th Century World History		
Standard Level	4–7	History Elective Credit (3 hours)
History: Africa: Route 2, Option 1		
Higher Level	4–7	History Elective Credit (3 hours)
History: Americas: Route 2, Option 2		
Higher Level	4	History Elective Credit (3 hours)
Higher Level	5–7	HIST 104 (3 hours)
History: Asia/ Oceania: Route 2, Option 3		
Higher Level	4	History Elective Credit (3 hours)
Higher Level	5–7	HIST 109 (3 hours)
History: Europe/ Middle East: Route 2, Option 4		
Higher Level	4	History Elective Credit (3 hours)
Higher Level	5–7	HIST 101 (3 hours)
Human Rights		
Standard Level	4–7	CLJ 110 (3 hours)
Information Technology in a Global Society		
Standard or Higher Level	4–7	Information Technology Elective Credit (3 hours)

Standard Level	4–5	Political Science Elective Credit (3 hours)
Standard Level	6–7	POLS 120 (3 hours)
Psychology		
Standard or Higher Level	4–7	PSCH 100 (4 hours)
Russian Language A: Language and Literature		
Standard Level	4–5	RUSS 101, RUSS 102 (8 hours)
Standard Level	6–7	RUSS 102, RUSS 103 (8 hours)
Higher Level	4–5	RUSS 103, RUSS 104 (8 hours)
Higher Level	6–7	RUSS 103, RUSS 104, RUSS 201 (11 hours)
Russian Language A: Literature		
Standard Level	4–5	RUSS 101, RUSS 102 (8 hours)
Standard Level	6–7	RUSS 102, RUSS 103 (8 hours)
Higher Level	4–5	RUSS 103, RUSS 104 (8 hours)
Higher Level	6–7	RUSS 103, RUSS 104, RUSS 201 (11 hours)
Russian Language AB Initio		
Standard Level	4–5	RUSS 101 (4 hours)
Standard Level	6–7	RUSS 101, RUSS 102 (8 hours)
Russian Language B		
Standard Level	4–5	RUSS 101, RUSS 102 (8 hours)
Standard Level	6–7	RUSS 102, RUSS 103 (8 hours)
Higher Level	4–5	RUSS 103, RUSS 104 (8 hours)
Higher Level	6–7	RUSS 103, RUSS 104, RUSS 201 (11 hours)
Spanish Language A: Language and Literature		
Standard or Higher Level	4–7	SPAN 103, SPAN 104, SPAN 200 (11 hours)
Spanish Language A: Literature		
Standard or Higher Level	4–5	SPAN 103, SPAN 104, SPAN 200 (11 hours)
Standard or Higher Level	6–7	SPAN 103, SPAN 104, SPAN 202, SPAN 203 or SPAN 204, SPAN 210 (17 hours)
Spanish Language AB Initio		
Standard Level	4–5	SPAN 101, SPAN 102 (8 hours)
Standard Level	6–7	SPAN 102, SPAN 103 (8 hours)
Spanish Language B		
Standard Level	4–5	SPAN 113 (4 hours)
Standard Level	6–7	SPAN 113, SPAN 114 (8 hours)
Higher Level	4–5	SPAN 113, SPAN 114 (8 hours)
Higher Level	6–7	SPAN 113, SPAN 114, SPAN 202 (11 hours)
Sports, Exercise and Health Science		
Standard Level	4–7	Kinesiology Elective Credit (3 hours)
Theatre		
Standard or Higher Level	4–7	Theatre Elective Credit (3 hours)
Visual Arts		
Standard or Higher Level	4–7	Art Elective Credit (4 hours)
World Arts and Cultures		
Standard Level	4–7	Art History Elective Credit (3 hours)
World Religions		
Standard Level	4–7	RELS 101 (3 hours)

a *Students admitted prior to Fall 2024 should consult the* archived catalog *from their admission year for information on credit awarded for IB exams.*

b *May satisfy requirements in the major/minor in place of FR 211, FR 212, FR 213, or FR 214.*

c *Transfer students who have exam scores from Mathematical Studies, Mathematics, or Further Mathematics should consult the* archived catalog *for information on credit awarded.*

College-Level Examination Program (CLEP)

UIC awards credit based on scores earned on the College Level Examination Program (CLEP). When seeking credit for a CLEP exam taken at another institution, your official score will be evaluated on UIC's credit-granting policy.

CLEP credit will not count toward general education credit, university writing, quantitative reasoning, foreign language, advanced-level hours, residency, major, or minor requirements. A student cannot take a CLEP exam in a subject in which they have earned credit. Three elective (lower-level) semester hours will be awarded per exam as detailed below. A maximum of 30 semester hours is allowed.

The full list of CLEP tests available is available online. The Office of Testing Services administers CLEP tests on campus. For further information on CLEP examinations, call the UIC Testing Services at (312) 996-0919.

Physics	A, B, C	Physics 9702: PHYS 131, PHYS 132 (8 hours) OR Physics 9702 and Mathematics 9709: PHYS 141, PHYS 142 (8 hours)
Psychology	A, B, C	PSCH 100 (4 hours)
Sociology	A, B, C	SOC 100 (3 hours)
Spanish	A, B, C	SPAN 202 (3 hours)

a *Students admitted prior to Fall 2024 should consult the* archived catalog *from their admission year for information on credit awarded for A Level Examinations.*

State Seal of Biliteracy

Students who present appropriate documentation of the Seal to their advisor within three years of high school graduation will be awarded UIC proficiency credit as indicated below. For languages not listed below, 4 semester hours of foreign language elective credit will be awarded. The State Seal of Biliteracy must be earned in Illinois to be recognized by UIC.

Seal	Course Equivalent
Chinese	CHIN 103, CHIN 104 (8 hours)
French	FR 103 (4 hours)
German	GER 103, GER 104 (8 hours)
Italian	ITAL 103 (4 hours)
Japanese	JPN 103, JPN 104 (8 hours)
Korean	KOR 103, KOR 104 (8 hours)
Latin	LAT 299 (3 hours)
Polish	POL 104 (4 hours)
Russian	RUSS 104 (4 hours)
Spanish	SPAN 104 (4 hours)

Proficiency Examinations for Enrolled Students

Proficiency examinations may be offered in some subjects. Students should consult with the department to determine which examinations are offered. Before taking any proficiency examination, the student must obtain the consent of the college dean as well as the head or chairperson of the department concerned. Proficiency examinations in foreign languages are restricted to post-intermediate levels. No proficiency examinations are given at the introductory or intermediate levels of a foreign language.

Proficiency examinations in more advanced undergraduate subjects may also be given if the head or chairperson of the department recommends and the dean of the college concerned approves it. There is no fee for these examinations.

The grade given in proficiency examinations is either “pass” or “fail” but a student does not receive a “pass” unless at least the equivalent of a C is earned. Neither grade is included in the computation of the student’s average; no official record is made of a “fail.”

A student who passes a proficiency examination is given the amount of credit toward graduation regularly allowed in the course if the course is acceptable in the curriculum. However, if such credit duplicates credit counted for admission to the university, it is not given.

Proficiency examinations are given only to:

1. Persons who are in residence at UIC.
2. Persons who, though not currently enrolled, are degree candidates at the university and need no more than 10 semester hours to complete their degree requirements.
3. Persons enrolled at one University of Illinois campus who wish to take an examination being given at another campus. They must secure an Application for Concurrent Registration from the Office of the Registrar.

Proficiency examinations may not be taken:

1. By students who have received credit for more than one term of work in the subject in advance of the course in which the examination is requested.
2. To raise grades or to improve failures in courses.
3. In a course the student has attended as a visitor/auditor.

Credit earned through proficiency examinations neither applies toward nor interrupts the enrollment residence requirement. See Enrollment Residence Requirement in the University Degree Requirements, Graduation, and Commencement (p. 100) section of the catalog.

Credit for Military Service

Completion of not less than six months of extended duty in any branch of the armed forces of the United States entitles an applicant to four semester hours in basic military science. These four hours will not be used in determining grade point average for transfer admission. Some colleges may limit or not allow credit in basic military science to count toward the degree. Refer to the sections for the individual colleges in this catalog for details.

Credit at the baccalaureate level will not be issued for coursework from the American Council on Education Military Guide. Colleges will work with students to obtain proficiency credit for associated coursework.

Courses successfully completed at a regionally or nationally accredited post-secondary institution[a], taken while the student was in service, will be reviewed for transferability after an offer of admission. It is the enrolled student’s responsibility to have transcripts from all institutions attended sent directly to the Office of Admissions. Students who transfer coursework may anticipate some loss of credit. This might require more time to complete the degree than had been originally planned. When the loss of credit occurs, it does not imply a negative evaluation of a student’s transfer work but rather a lack of appropriateness for the programs of the college. Attendance at orientation is strongly encouraged as an individualized assessment of progress-to-degree and appropriate course selection will be reviewed.

a *The university evaluates transfer work completed at institutions accredited by a regional or national accrediting organization recognized by the* Council for Higher Education Accreditation (CHEA)*, including institutions under candidacy status.*

tenth week of the term, the semester hours the course carries will not count toward the total of 21 authorized.

3. No more than one course per term may be taken under this option.
4. This option may not be used in any course required for the major, including prerequisite and collateral courses.[a]
5. The option may not be used for ENGL 160 and ENGL 161.
6. The credit/no credit option in a course must be elected by the end of the tenth day of instruction of the term.
7. The credit/no credit option in a course cannot be revoked after the close of the tenth day of instruction in the term.
8. A college or school may by action of its faculty institute a more restrictive policy for any or all of the above provisions.
9. Instructors are not informed that the option has been elected but assign a letter grade in the usual manner. The Office of the Registrar retains a record of that letter grade in the student records system, but it is not entered on the student transcript, except as hereafter provided.
10. For courses taken under the credit/no credit option, a grade of CR is recorded on the transcript if a letter grade of A, B, C, or D is earned. If the letter grade F is assigned, an NC is entered on the transcript. Grades of I and DFR are replaced by CR or NC upon completion of the courses or converted to NC if the course completion deadline for an I is not met.
11. The grades of CR and NC are not used in the computation of the GPA.
12. Grades of CR and NC are final and cannot be reconverted to letter grades, except under the following circumstances. If, during the student's final term prior to graduation, it is found that one or more of the courses needed to satisfy major field requirements were completed under the credit/no credit option at UIC (prior to the declaration of the major or prior to intercollegiate or intercurricular transfer), the student may elect that a sufficient number of CR grades be replaced by the originally assigned letter grades to meet major requirements. Only the minimum number of reconversions will be made. If such a minimum can be met by more than one selection of reconversions, the student may indicate a preference. This same policy applies in the case of any additional restrictions instituted by a college or school under Provision 8.
13. Students must apply at their college office no later than the tenth day of the term (first Wednesday of Summer Session 1 or first Friday of Summer Session 2) to have a course designated for credit/no credit grading option.

a *Collateral courses are those courses taken outside the major department that are essential to the major and are defined as such by each college.*

Calculating the Grade Point Average (GPA)

Take the grades for each course taken and determine the grade points per hour: A=4, B=3, C=2, D=1, F=0.

- Multiply the grade points per hour for each course by the number of semester hours for the course to get the grade points for each course.
- Add the grade points for each course to get the total number of grade points for the semester.
- Add the semester hours taken for each course to get the total number of semester hours.
- Divide total number of grade points for the semester by the total number of semester hours taken.

The following example illustrates how to calculate the GPA.

Grades	Grade Points/ Hour		Semester Hours Attempted		Grade Points/ Course
A	4	X	4	=	16
B	3	X	3	=	9
C	2	X	5	=	10
D	1	X	3	=	3
F	0	X	2	=	0
Semester Totals			**17**		**38**

The GPA for the example above is 38 divided by 17 or 2.23 on a 4.00 scale (2.23/4.00).

Note: Courses numbered 001–099 do not carry credit toward graduation. Grades for these courses are not calculated in the GPA.

Time Limit on Grade Changes

Changes/corrections to final grades are permitted up to two years after recording the final grade in a student's academic record so long as the course instructor, department chair/head, and college office approve of the change/correction. No grade changes/corrections are allowed after the two-year time limitation. Colleges are permitted, however, to adopt a more restrictive time limit policy. Students should check with their colleges concerning the time limit policy.

Full- and Part-Time Enrollment Status

Semester Hours Taken	Academic Term	Enrollment Status
12–18[a]	Fall and spring semesters	Full-time status
6–12[a]	Summer session	Full-time status
9–11	Fall and spring semesters	Three-quarters-time status
5	Summer session	Three-quarters-time status
6–8	Fall and spring semesters	Half-time status
3–4	Summer session	Half-time status
5 or less	Fall and spring semesters	Less than half-time status
2 or less	Summer session	Less than half-time status

a *Enrollment in more than 18 semester hours in fall or spring, or more than 12 semester hours in summer is considered overload. Overload requires permission from the student's major college.*

The university uses full- and part-time enrollment in the assessment of tuition and fees. It is also used in determining eligibility for financial aid and the rules governing satisfactory academic progress for renewal of financial aid. In addition, some degree programs require or recommend full-time enrollment.

Course descriptions are in the catalog. A listing of courses for each term can be accessed through the XE Registration system at my.UIC.

University Resources for Planning and Progress

The following university resources and programs may assist students with aspects of their academic planning and progress. A more comprehensive list is available on the UIC website.

Academic Advising

Academic Advising Mission Statement

The mission of academic advising at the University of Illinois Chicago is to ensure successful undergraduate educational experiences. Academic advising is centered in the colleges. The larger advising network assists students with making the transition to college life and guides their informed decisions about the academic priorities, progress, and goals integral to completing degrees and preparing for careers.

Identifying the Advisor and Scheduling Appointments

Academic advisors are professional staff and faculty members who assist students with course selection, scheduling, degree requirements, administrative requirements, the interpretation of rules and regulations, and the utilization of campus resources. Academic advising is available to all UIC students. Academic advising at UIC is decentralized, which means that it occurs in the major college or department. Students can learn more about academic advising at UIC by visiting the Office for Advising Development's website.

Office of the Dean of Students

3030 Student Services Building (SSB)
(312) 996-4857
http://deanofstudents.uic.edu

The mission of the Office of the Dean of Students is to provide a student-centered, learning environment that offers support, advocacy, and resources that contribute to student success. This is accomplished through a number of services available directly to students:

- Student Advocacy Services
- Student Ombuds Services
- Student Conduct Process
- Student Veteran Affairs
- Student Legal Services

Additionally, office staff serve as advisors to student governments on campus and help support the university community through programming and consultative support for students, faculty, and administrators. Learn more by visiting the Dean of Students website.

Disability Resource Center

1200 West Harrison Street
Room 1070 SSB (MC 321)
Chicago, IL 60607
(312) 413-2183 Voice
(312) 413-0123 TTY/Videophone
(312) 413-7781 FAX
Email: drc@uic.edu
http://drc.uic.edu

The Disability Resource Center (DRC) provides accommodations and services to students with permanent and temporary disabilities. To be eligible for accommodations through the DRC, students must be admitted or attending the University of Illinois Chicago and have a documented disability condition as defined by the Americans with Disabilities Act of 1990 (ADA) and Section 504 of the Rehabilitation Act of 1973.

Students with disabilities are required to provide documentation of their disability and how it may limit their participation at UIC. Students may receive accommodations to ensure access to the classroom and learning environment, campus housing or transportation as deemed appropriate. Students requesting accommodations in campus housing should submit their housing application available for all students, as early as possible, even before they register with the DRC.

Ideally, students should contact the Disability Resource Center preferably six (6) weeks before the start of the semester, or immediately following diagnosis of a disability, to register and discuss accommodation needs.

Incoming freshmen and transfer students may want to contact our office sooner if accommodations will be needed for placement tests. Learn more by visiting the Disability Resource Center website.

Office of External Fellowships

802 University Hall (UH)
(312) 355-2477
https://oef.uic.edu

The Office of External Fellowships (OEF) provides extensive advisement and assistance to current UIC undergraduate students, and to recent alumni, in finding and applying for merit-based, nationally and internationally competitive fellowships, scholarships, and grants. These competitive fellowships can help UIC students pursue their academic and career interests both here in Chicago and around the globe.

With the help of OEF, UIC students learn to present themselves clearly and effectively for awards that best suit their interests and goals. OEF provides advisement through the whole process, including mentoring, review of essay drafts, and interview preparation, so that a student's application is as strong as it can be.

Each year, UIC students compete for and win some of the most prestigious scholarships and fellowships that exist. Awards that UIC students have won include the Rhodes Scholarship, the Fulbright Grant, the Gates-Cambridge Scholarship, the Goldwater Scholarship, the Rangel Fellowship, and the Truman Scholarship, among others. Learn more by visiting the OEF website.

Reserve Officers' Training Corps

Air Force Reserve Officers' Training Corps (AFROTC) Program

Unit Admissions Officer's contact info:
afrotc@iit.edu
(312) 567-3525
http://afrotc.iit.edu

Address:
Air Force ROTC Detachment 195
10 West 35st Street
15th Floor
Chicago, IL 60616

Technology Solutions provides and manages academic IT operations and support only; it is not responsible for course registration, tuition information, grades, or transcripts.

UIC Help Center

To view a complete list of Technology Solutions services, visit the UIC Help Center at help.uic.edu. The UIC Help Center provides students with a one-stop-shop to browse and request services, get tech support, and search for answers to frequently asked tech questions.

IT at UIC Website

Stay updated on university tech news, service announcements and student IT resources. The IT at UIC website provides a centralized location for IT news and information relevant to the UIC Community. Visit the IT at UIC website to view academic IT resources available to students including communication tools, computer labs, printing resources, software and licensing, equipment lending, tech support, and more.

University Library

http://library.uic.edu

Richard J. Daley Library

801 South Morgan Street
Circulation Desk: (312) 996-2724
Reference Desk: (312) 996-2726

Library of the Health Sciences

750 West Polk Street

The Richard J. Daley Library contains books, journals, and specialized materials in the humanities, arts, social sciences, mathematics, sciences, and engineering. The Library of the Health Sciences (LHS) contains collections supporting teaching, research, and clinical programs in applied health sciences, dentistry, medicine, nursing, pharmacy, and public health. Learn more by visiting the Library's website.

Academic Support Services

The following are some of the units that provide academic support services to students. A more comprehensive list is available on the UIC website.

Academic Center for Excellence

2900 Student Services Building (SSB)
(312) 413-0031
http://ace.uic.edu

The Academic Center for Excellence (ACE) helps UIC students achieve their academic goals by strengthening their study strategies and academic skills. ACE offers assistance to UIC students at all levels, from first year through graduate or professional school. Learn more by visiting the ACE website.

African American Academic Network

2800 Student Services Building (SSB)
(312) 996-5040
http://www.aaan.uic.edu

The African American Academic Network (AAAN) is a unique support program that assists UIC's African American student population from admissions through graduation. AAAN's programs and services are designed to meet the academic, cultural, social, and motivational needs of African American students. Learn more by visiting the AAAN website.

CHANCE Program

2560 Student Services Building
chance@uic.edu
(312) 355-5025
https://chance.uic.edu

The mission of the UIC CHANCE Program is to recruit and retain academically qualified underrepresented candidates from Chicago and suburban communities in need of enrichment and learning skills, for admission to UIC and facilitate access to the necessary academic activities and professional services that will enable them to press and graduate as well-prepared professionals for the 21st century. Learn more by visiting the CHANCE website.

Sandi Port Errant Language and Culture Learning Center

(312) 996-8838
http://lclc.uic.edu

The LCLC supports the School of Literatures, Cultural Studies and Linguistics in creating interactive learning opportunities for students, including cultural and language-related events open to all UIC students, faculty, and staff. The center also coordinates Peer Tutoring and Language Learning Assistant programs for French, Italian, German, and Spanish Basic Language Programs, providing assistance to instructors and helpful resources to students in and out of the classroom. Learn more by visiting the LCLC website.

Latin American Recruitment and Educational Services Program

2640 Student Services Building (SSB)
(312) 996-3356 or (312) 996-6073
http://lares.uic.edu

The Latin American Recruitment and Educational Services (LARES) program is the premier Latinx academic support program in Illinois and the largest academic support unit on the UIC campus. LARES strives to empower students by providing personal growth and educational opportunities designed to prepare leaders who will make individual and collective contributions toward the cultural and social advancement of the Latinx community. Learn more by visiting the LARES website.

Math and Science Learning Center

3rd Floor, Science and Engineering South (SES)
(312) 355-4900
http://mslc.uic.edu

The Math and Science Learning Center (MSLC) is a welcoming learning environment that provides diverse forms of academic support to undergraduate students enrolled in Math and Science courses at UIC. The MSLC hosts peer-led study group sessions, Teaching Assistant (TA) and faculty office hours, tutoring, as well as various workshops and events. Learn more by visiting the MSLC website.

Native American Support Program

2700 Student Services Building (SSB)
Chicago, IL 60607
(312) 996-4515

General Education

General Education at UIC: An Overview

General Education is an important part of every undergraduate degree program. The General Education Program provides students with a breadth of exposure to the academic disciplines and serves as the foundation for the knowledge, skills, and competencies essential to becoming well-educated college graduates and citizens.

The program ensures a certain level of intellectual breadth, while at the same time allowing students the opportunity to select courses or clusters of courses around areas of their own interests. Specifically, the program:

- provides intellectual guidance by identifying six broad areas of knowledge that correspond to the kinds of experiences that a liberally educated person should have.
- makes clear to students what they are taking and why.
- is an open system that does not bind departments into one category. This model thus allows for the development of interdepartmental courses over time. It also allows students to gain interdisciplinary perspectives, which was one of the hoped for outcomes of revising General Education.
- gives individual colleges some freedom to adjust the General Education requirements to suit their own needs. Although there is a campus wide minimum of one course from each General Education category, colleges may add additional course requirements.

The General Education Program at UIC

The General Education Program at UIC is designed to serve as a foundation for lifelong learning. It also helps prepare students for the world beyond the college experience, a world in which one needs to be able to:

- think independently.
- understand and critically evaluate information.
- analyze and evaluate arguments.
- develop and present cogent written and oral arguments.
- explore one's own culture and history as well as those of others.
- understand, interpret, and evaluate the arts.
- think critically about how individuals influence and are influenced by political, economic, cultural, and family institutions.

The General Education Program at UIC (sometimes referred to as Gen Ed or GE) has two main components: a grouping of core courses that are clustered around six themes and sets of required proficiencies. The specific requirements vary from college to college. All colleges, however, require a minimum of 24 semester hours of credit with at least one course in each of the six categories of General Education and proficiency in writing (as demonstrated by successful completion of ENGL 160 and ENGL 161 or by certain scores on placement or other tests). **Note:** Students may count up to two courses in their major toward their General Education requirements. If students have a double major, then two courses from each of the majors may be applied toward General Education.

General Education Proficiencies

The University Writing requirement is common across all colleges. Individual colleges may have additional General Education requirements and proficiencies. Students should consult their college and department sections of the catalog for information about fulfilling the General Education requirements as a required part of their degree program.

University Writing Requirement

Students must demonstrate proficiency in written English by earning passing grades in ENGL 160 and ENGL 161, or by achieving proficiency (see section on Demonstrating Writing Proficiency for a Waiver of ENGL 160 or ENGL 161*)* in one or both of these courses certified in writing by the Department of English. The Department of English reserves the right to require a student to take a preparatory course as a prerequisite for ENGL 160 if the student's score on the Writing Placement Test reveals the need for such a course. Whenever questions arise with regard to the fulfillment of the University Writing requirement through transfer courses, a writing portfolio, or standard examinations, the Department of English will determine whether to grant the student an exemption from the requirement.

Students should consult their college section of the catalog for more information on fulfilling the University Writing requirement as part of their degree program.

General Education Core

The General Education Core includes the following six categories. This section of the catalog provides a description and list of courses for each category.

Analyzing the Natural World

A central principle of a knowledge-based society is that, where possible, experimental tests should be designed to critically evaluate the accuracy of an idea or physical law. It is crucial that students understand both how accurate experimental results are obtained and how uncertainties in these results affect scientific conclusions. Courses in this category provide an understanding of scientific method and the factual knowledge necessary to develop hypotheses, to test them, and to distinguish those conclusions resting on unsupported assertion from those verified by sound scientific reasoning. Theories also play an important role in the way we see the world around us. In the natural sciences, theories are developed to explain experimental observation, form the basis for the design of further experiments, and provide the foundation for advances in technology. Mathematics provides appropriate tools (such as calculus) necessary to formulate the scientific theories.

Courses in this category should introduce students to scientific and mathematical concepts and methods. They should be designed to facilitate the students' ability to do one or more of the following:

1. Understand and critically evaluate information and concepts in the natural and mathematical sciences.
2. Use and understand scientific method to analyze ideas and obtain knowledge.
3. Appreciate the value of and difference between scientific laws, theories, hypotheses, and speculation.
4. Use scientific and mathematical reasoning to make relevant distinctions among ideas.
5. Think critically about contemporary issues in science and technology.

b *also approved for Understanding the Individual and Society*
c *also approved for Understanding the Past*
d *also approved for Understanding the Creative Arts*
e *also approved for Exploring World Cultures*
f *also approved for Understanding U.S. Society*
g *indicates courses specifically designed for those majoring in areas other than science and mathematics*
h *nonlaboratory courses*
i *Each of the following pairs will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123; CHEM 124/CHEM 125.*

Understanding the Individual and Society

The primary goal of the Individual and Society requirement is to enhance understanding of the complex activities of individuals and their relations with each other and with groups, institutions, governments, media, and society. Courses within this category seek to:

1. enhance knowledge and appreciation of the diversity of individuals, societies, and cultures
2. advance the understanding of human relationships within different contexts and
3. explore the gathering and assessing of knowledge within any social setting or activity.

Courses present theories about the human activities and ideas and demonstrate how scholars use qualitative, quantitative, and humanistic methods to evaluate those theories. They may also explore the ways that knowledge is formed about the self and the world in historical, literary, philosophical, and scientific realms.

Courses in this category should introduce students either to the complexities of the individual or the relationship of the individual to social structures. They should be designed to facilitate the students' ability to do one or more of the following:

1. Recognize, describe, and explain social institutions, structures, and processes and the complexities of a global culture and diverse society.
2. Think critically about how individuals influence and are influenced by political, geographic, economic, cultural, and family institutions in their own and other cultures and explain how one's knowledge and beliefs may differ from others.
3. Explain the relationship between the individual and society as it influences
   a. individuals' cognition, ethics, social interactions, communication practices and affect; and
   b. the quality of life of the individual, the family, and the community.
4. Examine how literature, history, ethical systems, scientific inquiry, or communicative practice shape our knowledge and perception of individuals and social structures.
5. Using the most appropriate principles, methods, and technologies, gather and analyze previous inquiry regarding the relationships between individuals and society, draw logical conclusions about such inquiry, and creatively or scientifically apply those conclusions to one's life and society.

Code	Title	Hours
Understanding the Individual and Society Courses		
Anthropology		
ANTH 101	World Cultures: Introduction to Social Anthropology [e]	3
ANTH 215	Anthropology of Religion (Same as RELS 215) [e]	3
ANTH 216	Medicine, Culture, and Society [e]	3
ANTH 218	Anthropology of Children and Childhood	3
ANTH 238	Biology of Women (Same as GWS 238) [a]	3
ANTH 273	Ethnography of Southeast Asia (Same as GEOG 273) [e]	3
ANTH 277	Ethnography of Meso-America (Same as LALS 270) [e]	3
ANTH 279	South Asian Cultures and Societies (Same as GLAS 279) [e]	3
Architecture		
ARCH 200	Architecture and Society [d]	4
Art		
ART 110	Introduction to Art Education [d]	4
ART 290	Art and Resistance: Socially Engaged Art	4
Art History		
AH 101	The Naked and the Nude: Studies in Visual Literacy	3
AH 180	Intro to Museum & Exhibition [d]	3
Black Studies		
BLST 100	Introduction to Black Studies [f]	3
BLST 103	Black Politics and Culture in the United States (Same as POLS 112) [f]	3
BLST 104	Race, Place, and Schooling: Black Americans and Education (Same as EDPS 104) [f]	3
BLST 207	Racism: Global Perspectives (Same as SOC 207) [e]	3
BLST 263	Black Intellectual History (Same as HIST 263) [c]	3
BLST 271	Race and the Politics of Incarceration (Same as CLJ 271 and SOC 271) [f]	3
BLST 272	Race, Gender, and Sexuality (Same as GWS 272) [f]	3
Classics		
CL 208	Classical Mythology (same as RELS 208) [c]	3
Communication		
COMM 100	Fundamentals of Human Communication	3
COMM 101	Introduction to Communication	3
COMM 102	Introduction to Interpersonal Communication	3
COMM 103	Introduction to Media	3
COMM 140	Fundamentals of Social Media and Communication	3
Dialogue		
DLG 220	Intergroup Dialogue [f]	3
Disability and Human Development		

HON 121	Honors Core in Understanding Individual and Society and Understanding Creative Arts [d]	3
HON 122	Honors Core in Understanding Individual and Society and Exploring World Cultures [e]	3
HON 123	Honors Core in Understanding Individual and Society and Understanding U.S. Society [f]	3
HON 130	Honors Core in Analyzing the Natural World and Understanding the Individual and Society [a]	3
HON 140	Honors Core in Understanding the Individual and Society	3
Humanities		
HUM 101	Humanities Core: Understanding the Individual and Society	3
HUM 120	Engaged Humanities: Understanding the Individual and Society	4
Industrial Engineering		
IE 118	Energy for Sustainable Society (Same as ME 118)	3
Jewish Studies		
JST 101	Introduction to Judaism (Same as RELS 121)	3
JST 102	Introduction to Jewish History (Same as RELS 126) [c]	3
Kinesiology		
KN 150	The Healthy Human	3
Latin American and Latino Studies		
LALS 103	Introduction to Latino Urban Studies [f]	3
LALS 220	Latin American Cities in a Global Context: Environment, Employment, and Housing (Same as US 220) [e]	3
LALS 269	Latin American Environmental Studies [e]	3
LALS 276	Latinas in the United States (Same as GWS 276 and SOC 226) [f]	3
Linguistics		
LING 150	Introduction to the Study of Language	3
LING 160	Language and Society [f]	3
LING 170	Languages of the World [e]	3
LING 260	Language Acquisition, Language Contact and Bilingualism [f]	3
Music		
MUS 240	Music, Gender and Culture (Same as GWS 240) [d]	3
Philosophy		
PHIL 100	Introduction to Philosophy	3
PHIL 101	Critical and Analytical Reasoning	3
PHIL 103	Introduction to Ethics	3
PHIL 104	Introduction to Political Philosophy [f]	3
PHIL 106	What Is Religion? (Same as RELS 106)	3
PHIL 108	What Is Freedom?	3
PHIL 109	Who Am I?	3
PHIL 110	Philosophy of Love and Sex	3
PHIL 111	What Is a Fact?	3
PHIL 112	Morality and the Law	3
PHIL 113	Philosophy in the Information Age	3
PHIL 115	Death	3
PHIL 120	Introduction to Ancient Philosophy (Same as CL 120) [c]	3
PHIL 131	Educational Ethics [f]	3
PHIL 225	Nineteenth Century Philosophy	3
PHIL 240	Philosophy and Revelation: Jewish and Christian Perspectives (Same as RELS 240 and JST 240) [e]	3
Political Science		
POLS 101	Introduction to American Government and Politics [f]	3
POLS 120	Introduction to Political Theory [c]	3
POLS 130	Introduction to Comparative Politics (Same as INST 130)	3
POLS 184	Introduction to International Relations (Same as INST 184) [e]	3
POLS 190	Scope of Political Science	3
Psychology		
PSCH 100	Introduction to Psychology	4
PSCH 210	Theories of Personality	3
PSCH 231	Community Psychology	3
PSCH 270	Introduction to Psychological and Behavioral Disorders	3
PSCH 271	Resilience: The Psychology of Positive Adaptation	3
Public Policy		
PPOL 100	Individual Action and Democratic Citizenship	3
PPOL 101	Contemporary Issues in Public Policy [f]	3
PPOL 232	International Development Policy [e]	3
Public Health		
PUBH 100	Health and the Public [f]	3
PUBH 110	Public Health and Global Societies [e]	3
Religious Studies		
RELS 100	Religion in Human Experience	3
Social Justice		
SJ 101	Introduction to Social Justice: Stories and Struggles	3
Sociology		
SOC 100	Introduction to Sociology [f]	3
SOC 105	Social Problems [f]	3
SOC 215	Sociology of Childhood and Youth [f]	3
SOC 224	Gender and Society (Same as GWS 224) [f]	3
SOC 225	Racial and Ethnic Groups (Same as BLST 225 and LALS 225) [f]	3
SOC 228	Sociology of Asia and Asian Americans (Same as GLAS 228) [f]	3
SOC 229	Sociology of Latinos (Same as LALS 229) [f]	3
SOC 241	Social Inequalities [f]	3

CL 252	Greek and Roman Comedy [d]	3
CL 253	Roman Satire and Rhetoric [d]	3
CL 297	Studies in the Classical Tradition (Same as ENGL 297) [d]	3
English		
ENGL 208	English Studies I: Beginnings to the 17th Century [d]	3
ENGL 213	Introduction to Shakespeare [d]	3
Germanic Studies		
GER 125	Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film. (Same as JST 125 and RELS 127) [e]	3
GER 219	Princesses and Storytellers: Fairy Tales by the Brothers Grimm and Their Cultural Afterlives [d]	3
GER 240	Classical German Thought from Kant to Nietzsche [b]	3
Global Asian Studies		
GLAS 252	U.S. Racism and Imperialism (same as BLST 252) [f]	3
GLAS 215	Techno-Orientalism: Race, Media and Society (same as HIST 215)	3
Greek, Modern		
GKM 285	Cultural History of Modern Greece: 1453 to the Present (Same as HIST 285)	3
GKM 286	Modern Greek Cities: Historical-Ethnographic Survey (Same as HIST 286)	3
GKM 296	Fascism and Dictatorship in Southern Europe and the Mediterranean (Same as HIST 296 and POLS 296)	3
History		
HIST 100	Western Civilization to 1648 [e]	3
HIST 101	Western Civilization Since 1648 [e]	3
HIST 103	Early America: From Colonization to Civil War and Reconstruction [f]	3
HIST 104	Modern America: From Industrialization to Globalization [f]	3
HIST 105	Global Transformations and the Rise of the West Since 1000 (Same as INST 105) [e]	3
HIST 106	The World Since 1400: Converging Worlds, New Circulations (Same as INST 106) [e]	3
HIST 109	East Asian Civilization: Ancient China (Same as GLAS 109) [e]	3
HIST 117	Understanding the Holocaust (Same as JST 117 and RELS 117) [b]	3
HIST 137	Russia in War and Revolution, 1904-1922 [b]	3
HIST 161	Introduction to Latin American History (Same as LALS 161) [e]	3
HIST 170	The Ottoman Empire [e]	3
HIST 177	Middle Eastern Civilization (Same as RELS 177) [e]	3
HIST 200	Gandhi: The History and Practice of Nonviolence (Same as GLAS 200)	3
HIST 202	Ancient Greece (Same as CL 202) [e]	3
HIST 203	Ancient Rome (Same as CL 203) [e]	3
HIST 208	History of Science in a Global Context	3
HIST 211	The Dawn of European Modernity, 1500-1715 [b]	3
HIST 213	Europe in the Age of Capitalism and Imperialism, 1815 - 1914 [b]	3
HIST 214	Twentieth-Century Europe [b]	3
HIST 220	Modern Germany, 1848 to the Present [b]	3
HIST 221	The Atlantic Slave Trade (Same as BLST 221) [e]	3
HIST 222	England to 1689	3
HIST 223	Modern Britain Since 1689	3
HIST 224	France: 1500 to 1715 [b]	3
HIST 225	The Age of Revolution in France: 1715-1848 [e]	3
HIST 226	France and the World, 1848-present [e]	3
HIST 233	East Central Europe and the Balkans: From Empires to Nation-States [b]	3
HIST 234	The Making of Modern Poland (Same as POL 234) [b]	3
HIST 235	The Rise and Fall of Communism in Eastern Europe [b]	3
HIST 236	Russia Between Europe and Asia: Eurasian Spaces and Peoples in the Premodern Era [e]	3
HIST 237	The Russian Empire in the Modern Period: History, Culture and the Challenges of Diversity [b]	3
HIST 238	Russia from Vladimir Lenin to Vladimir Putin	3
HIST 239	Twentieth-Century Russia in Film (Same as RUSS 239)	3
HIST 240	Radicalism in America: From the Revolution to Occupy Wall Street [f]	3
HIST 241	Precolonial Africa in World History (Same as BLST 241) [e]	3
HIST 242	History of Modern Africa (Same as BLST 242) [e]	3
HIST 244	Native American History (Same as NAST 244)	3
HIST 245	Imagining the American West [f]	3
HIST 246	History of American Capitalism (Same as POLS 246) [f]	3
HIST 249	The American Civil War [f]	3
HIST 252	Sexuality in America: Historical Perspectives (Same as GWS 252) [f]	3
HIST 253	The Worker in American Life [f]	3
HIST 255	History of Chicago [f]	3
HIST 256	Religion in American History (Same as RELS 256) [f]	3

c *also approved for Understanding the Past*
d *also approved for Understanding the Creative Arts*
e *also approved for Exploring World Cultures*
f *also approved for Understanding U.S. Society*

Understanding the Creative Arts

Courses in literature (e.g., fiction, poetry, drama), the arts (e.g., painting, sculpture, architecture, design, music, theatre and dance, film, photography, new media) and philosophy examine materials that explore and express the potential of the human imagination. Courses fulfilling this requirement acquaint students with issues involved in making, interpreting, analyzing, and evaluating written texts, musical works, visual and material culture, performing arts, and other media presentations in the context of the histories and cultures that have shaped and been shaped by their production. The aim is to develop the ability to read, experience, and view carefully, to think critically, to argue cogently and to communicate ideas effectively in written and oral form.

All cultures create stories, images, objects, built environments, dramas, music, etc. The study of such cultural products is an area with its own questions, techniques, and traditions. A student taking courses in this area can expect to study, in close detail, a number of significant works of literature, art, or other media. Courses in this category should facilitate a student's ability to address one or more of the following questions:

1. Basic issues of interpretation. How does a work mean anything? How does one determine meaning? How can a work have numerous meanings, often at the same time?
2. Questions of poetics. How do the traditions of genres and forms, materials and means of production, and philosophies and theories influence individual literary and artistic works and their interpretation?
3. Questions of value. How can such creative works be evaluated? How are critical vocabularies developed? How does a work come to be called a "classic"? How do new works and genres become accepted as art?
4. Questions of cultural and historical context. How do creative works relate to the societies in which they are produced and received? How do cultural roles of creative products, definitions of art, institutions, markets, and patronage affect the creation of works of architecture, art, music, literature, and other media?

Code	Title	Hours
Understanding the Creative Arts Courses		
Arabic		
ARAB 270	The Reel Arab (Same as MOVI 270)	3
Architecture		
ARCH 200	Architecture and Society [b]	4
Art		
ART 110	Introduction to Art Education [b]	4
ART 112	Introduction to Drawing	4
ART 130	Introduction to Painting + Color	4
ART 140	Introduction to Sculpture	4
ART 150	Introduction to New Media Arts	4
ART 151	Introduction to Creative Coding in New Media Arts	4
ART 160	Introduction to Digital Photography	4
ART 170	Introduction to Filmmaking	4
ART 190	Introduction to Socially Engaged Art	4
Art History		
AH 100	Introduction to Art and Art History	3
AH 110	World History of Art and the Built Environment I	4
AH 111	World History of Art and the Built Environment II	4
AH 122	History of Chicago Architecture [c]	3
AH 125	Introduction to the Art and Architecture of Asia (Same as GLAS 125) [e]	3
AH 140	World Architecture, Climate, and Ecology: An Alternative History [e]	3
AH 150	Art and Money [c]	3
AH 160	Trends in International Contemporary Art Since 1960	3
AH 172	Visual Culture of the Ancient Americas [e]	3
AH 180	Intro to Museum & Exhibition [b]	3
AH 201	Reading and Writing Art Criticism	3
AH 209	Near Eastern Art and Archaeology (Same as CL 209) [c]	3
AH 210	Ancient Egyptian Art and Archaeology (Same as BLST 210 and CL 210) [c]	3
AH 211	History of Urbanism	3
AH 219	Art and Architecture of East Asia (Same as GLAS 219) [e]	3
AH 220	Buddhist Art and Architecture (Same as RELS 220 and GLAS 220) [e]	3
AH 223	Baroque Architecture	3
AH 230	History of Photography I: 1820-1920	3
AH 231	History of Photography II: 1900 to Present	3
AH 242	Early Christian and Byzantine Art and Architecture	3
AH 243	Medieval Art and Architecture	3
AH 244	Islamic Art and Architecture [e]	3
AH 250	Italian Renaissance Art	3
AH 251	Northern Renaissance Art and Architecture	3
AH 252	Art of the Baroque and Rococo	3
AH 259	Art in the Age of Enlightenment and Revolution [c]	3
AH 260	European Art from 1750 to 1900	3
AH 261	European and American Art from 1900 to the Present	3
AH 262	American Art to 1945	3
AH 263	Latin American Colonial Art (Same as LALS 263) [e]	3
AH 264	African American Art (Same as BLST 264) [e]	3
AH 265	History of Performance Art 1900 - Present	3
AH 270	African Art (Same as BLST 270) [e]	3
AH 271	Native American Art (Same as NAST 271) [e]	3

GER 217	Introduction to German Cinema [e]	4
GER 219	Princesses and Storytellers: Fairy Tales by the Brothers Grimm and Their Cultural Afterlives [c]	3
Global Asian Studies		
GLAS 223	Global Hip-hop and Asian Diasporas	3
Honors College		
HON 121	Honors Core in Understanding Individual and Society and Understanding Creative Arts [b]	3
HON 124	Honors Core in Understanding the Past and Understanding the Creative Arts [c]	3
HON 127	Honors Core in Understanding the Creative Arts and Exploring World Cultures [e]	3
HON 128	Honors Core in Understanding the Creative Arts and Understanding U.S. Society [f]	3
HON 132	Honors Core in Analyzing the Natural World and Understanding the Creative Arts [a]	3
HON 142	Honors Core in Understanding the Creative Arts	3
Interdisciplinary Education in the Arts		
IDEA 110	Creativity and Innovation in Design and Arts	4
Italian		
ITAL 280	Italian and Italian American Cinema (Same as MOVI 280) [e]	3
ITAL 293	Dante's Divine Comedy (Same as CST 293 and RELS 293) [c]	3
Latin American and Latino Studies		
LALS 109	Introduction to Latino Cultures [f]	3
LALS 110	Introduction to Latin American Cultures [e]	3
LALS 260	Indigenous Storytelling in Latin America [e]	3
LALS 278	Latin American/Latino Film Studies (Same as MOVI 278 and SPAN 278) [e]	4
LALS 295	Latino Literary Studies (Same as ENGL 295 and SPAN 295) [f]	3
Literatures, Cultural Studies, and Linguistics		
LCSL 207	European Cinema (Same as GER 207 and SPAN 207) [e]	3
LCSL 250	Introduction to Comparative Cultural Studies [e]	3
Lithuanian		
LITH 130	Lithuanian Prose Fiction in International Context [e]	3
Music		
MUS 100	Introduction to Music I	3
MUS 107	Fundamentals of Music Theory	3
MUS 113	Art Song	3
MUS 114	Jazz History [c]	3
MUS 115	Opera	3
MUS 117	Music for Symphony Orchestra	3
MUS 118	American Popular Music since 1850 [c]	3
MUS 119	Music for the Piano	3
MUS 127	Latin American Music (Same as LALS 127) [e]	3
MUS 227	Music Cultures of the World [e]	3
MUS 240	Music, Gender and Culture (Same as GWS 240) [b]	3
Philosophy		
PHIL 107	What is Art?	3
Polish		
POL 120	The Polish Short Story in Translation [e]	3
POL 130	Masterworks of Polish Literature in Translation [e]	3
POL 140	Polish Drama in Translation (Same as THTR 140) [e]	3
POL 150	Introduction to Polish Cinema [e]	3
POL 220	Modern Polish-Jewish Culture and Literatures (Same as CEES 220 and JST 220) [e]	3
Russian		
RUSS 120	The Russian Short Story in Translation [e]	3
RUSS 130	Masterpieces of Russian Literature in Translation [e]	3
RUSS 140	Understanding the Body: Health, Gender, and Disability in Russian Culture [e]	3
RUSS 150	Introduction to Russian Cinema [e]	3
RUSS 241	Dostoyevsky	3
RUSS 242	Tolstoy	3
RUSS 244	Women in Russian Literature (Same as GWS 244) [e]	3
RUSS 247	Literature and Fantasy in Russia	3
RUSS 248	Russian Visual and Material Culture (Same as AH 248)	3
Spanish		
SPAN 226	Early Modern Spanish and Colonial Latin American Literature and Culture in Translation [e]	3
Special Education		
SPED 201	Children's Literature and Disabilities (Same as ED 201)	3
Theatre		
THTR 101	Theatre History I: Premodern Drama [c]	3
THTR 102	Introduction to Theatre: A Collaborative Art	3
THTR 103	History of Chicago Theatre Past and Present [c]	3
THTR 105	Introduction to American Musical Theatre [f]	3
THTR 159	Fashion and Furniture: History of Cultural Influences from Gothic to Atomic [c]	3
THTR 201	Theatre History II: Modern Theatre	3
THTR 245	East Asian Theatre	3

GER 100	Introduction to Germanic Cultures and Literatures [d]	3
GER 120	Study of Gender, Class, and Political Issues in German Texts (Same as GWS 120) [b]	3
GER 122	Minority Perspectives in the Germanic Context (Same as JST 122 and RELS 122) [d]	3
GER 123	Introduction to Yiddish Culture and Literature (Same as JST 123 and RELS 123) [d]	3
GER 125	Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film. (Same as JST 125 and RELS 127) [c]	3
GER 217	Introduction to German Cinema [d]	4
Global Asian Studies		
GLAS 100	Introduction to Global Asian Studies	3
GLAS 201	Asian Markets, Corporations, and Social Justice (Same as ANTH 201)	3
GLAS 229	Introduction to Asian Film (Same as ENGL 229 and MOVI 229)	3
GLAS 242	Introduction to Arab American Studies (Same as ANTH 242) [f]	3
GLAS 244	Arab and Asian Connections in the U.S. and Globally (Same as ANTH 244) [f]	3
GLAS 248	Afro Asian Solidarities (Same as ANTH 248 and GWS 248) [f]	3
GLAS 270	Topics in Asian Cultures and Societies	3
Greek, Modern		
GKM 105	Modern Greek Culture	3
GKM 203	Modern Greek Authors in Translation	3
History		
HIST 100	Western Civilization to 1648 [c]	3
HIST 101	Western Civilization Since 1648 [c]	3
HIST 105	Global Transformations and the Rise of the West Since 1000 (Same as INST 105) [c]	3
HIST 106	The World Since 1400: Converging Worlds, New Circulations (Same as INST 106) [c]	3
HIST 109	East Asian Civilization: Ancient China (Same as GLAS 109) [c]	3
HIST 161	Introduction to Latin American History (Same as LALS 161) [c]	3
HIST 170	The Ottoman Empire [c]	3
HIST 177	Middle Eastern Civilization (Same as RELS 177) [c]	3
HIST 202	Ancient Greece (Same as CL 202) [c]	3
HIST 203	Ancient Rome (Same as CL 203) [c]	3
HIST 221	The Atlantic Slave Trade (Same as BLST 221) [c]	3
HIST 225	The Age of Revolution in France: 1715-1848 [c]	3
HIST 226	France and the World, 1848-present [c]	3
HIST 236	Russia Between Europe and Asia: Eurasian Spaces and Peoples in the Premodern Era [c]	3
HIST 241	Precolonial Africa in World History (Same as BLST 241) [c]	3
HIST 242	History of Modern Africa (Same as BLST 242) [c]	3
HIST 261	Latin America to 1850 (Same as LALS 261) [c]	3
HIST 262	Latin America Since 1850 (Same as LALS 262) [c]	3
HIST 264	The Pacific Rim in Modern History (Same as GLAS 264) [c]	3
HIST 266	Modern Mexico (Same as LALS 266) [c]	3
HIST 271	Late Imperial China: 1500 to 1911 (Same as GLAS 271) [c]	3
HIST 272	China Since 1911 (Same as GLAS 272) [c]	3
HIST 275	History of South Asia to 1857 (Same as GLAS 275) [c]	3
HIST 276	Modern South Asia, 1857 to the Present (Same as GLAS 276) [c]	3
HIST 277	The Middle East to 1258 [c]	3
HIST 278	The Middle East Since 1258 [c]	3
Honors College		
HON 122	Honors Core in Understanding Individual and Society and Exploring World Cultures [b]	3
HON 125	Honors Core in Understanding the Past and Exploring World Cultures [c]	3
HON 127	Honors Core in Understanding the Creative Arts and Exploring World Cultures [d]	3
HON 129	Honors Core in Exploring World Cultures and Understanding U.S. Society [f]	3
HON 133	Honors Core in Analyzing the Natural World and Exploring World Cultures [a]	3
HON 143	Honors Core in Exploring World Cultures	3
Human Nutrition		
HN 202	Culture and Food	2
Italian		
ITAL 230	Italian and Italian American Culture and Civilization (Same as CL 230) [c]	3
ITAL 280	Italian and Italian American Cinema (Same as MOVI 280) [d]	3
Jewish Studies		
JST 103	Introduction to Israel Studies [c]	3
JST 203	Israel Film: Aspects of History, Life, and Culture	3
Korean		
KOR 130	Understanding Korean History, Culture and Society through Contemporary Korean Films (Same as MOVI 130)	3

US 220	Latin American Cities in a Global Context: Environment, Employment, and Housing [b]	3

a *also approved for Analyzing the Natural World*
b *also approved for Understanding the Individual and Society*
c *also approved for Understanding the Past*
d *also approved for Understanding the Creative Arts*
e *also approved for Exploring World Cultures*
f *also approved for Understanding U.S. Society*

Understanding U.S. Society

The United States is a country that is often characterized by its diversity, including diversity of cultures, religions, classes, racial and ethnic backgrounds, and gender practices. The aim of this category is to study these diversities, explore the principles and experiences that unite us in the face of them, and perhaps most importantly, to examine critically the social, cultural, and political tensions that arise between that which unites and that which divides us. The goal is thus to understand our society and our political and economic systems, whether to gain knowledge of the past events that have shaped current ones, to gain the means to evaluate critically current policy and to shape future ones, or to develop a deeper understanding of the complexities of our current communities.

Courses in this category should address some significant aspect of U.S. society as their central focus. They should be designed to facilitate the students' ability to do one or more of the following:

1. Analyze aspects of U.S. society.
2. Analyze the communicative, political, social, economic, or cultural systems in the U.S.
3. Explore the diverse communities—racial, ethnic, class, gender, religious, and sexual—that define cultural and political life in the United States.
4. Critically examine the tensions among various groups within U.S. society.
5. Explore contemporary governmental policies.
6. Analyze the role and influence of the U.S. in the world.
7. Study events, ideas, or movements that have influenced U.S. society.

Code	Title	Hours
Understanding U.S. Society Courses		
Black Studies		
BLST 100	Introduction to Black Studies [b]	3
BLST 103	Black Politics and Culture in the United States (Same as POLS 112) [b]	3
BLST 104	Race, Place, and Schooling: Black Americans and Education (Same as EDPS 104) [b]	3
BLST 105	Black Film, 1900 - Present: Images, Individuals and Ideas on Screen (Same as COMM 105 and MOVI 105) [d]	3
BLST 110	Introduction to African American Literature, 1760-1910 (Same as ENGL 118) [d]	3
BLST 111	Introduction to African American Literature Since 1910 (Same as ENGL 119) [d]	3
BLST 125	Black Religious Traditions (Same as RELS 125) [c]	3
BLST 246	Black Lives in Historical Context (Same as HIST 243) [c]	3
BLST 247	African American History to 1877 (Same as HIST 247) [c]	3
BLST 248	African American History since 1877 (Same as HIST 248) [c]	3
BLST 249	Black Freedom Movements in the U.S. [c]	3
BLST 262	Black Cultural Studies (Same as ENGL 262) [d]	3
BLST 265	Harlem Renaissance (Same as ENGL 265) [c]	3
BLST 271	Race and the Politics of Incarceration (Same as CLJ 271 and SOC 271) [b]	3
BLST 272	Race, Gender, and Sexuality (Same as GWS 272) [b]	3
Catholic Studies		
CST 150	Catholicism in U.S. History (Same as RELS 150 and HIST 150)	3
Civil and Materials Engineering		
CME 112	Evolution of Infrastructure and Society	3
Criminology, Law, and Justice		
CLJ 101	Introduction to Criminology, Law, and Justice	3
CLJ 102	Foundations of Law and Justice	3
CLJ 110	Rights, Justice and the Law	3
CLJ 114	Race, Class, Gender and the Law	3
CLJ 120	Crime and Society	3
CLJ 121	Violence in Society	3
CLJ 122	Gangs and the Media	3
CLJ 200	Law and Society	3
Dialogue		
DLG 220	Intergroup Dialogue [b]	3
Disability and Human Development		
DHD 101	Disability in U.S. Society [b]	3
DHD 102	Disability in American Film [d]	3
DHD 206	Disability, Inclusive Cities, and Environmental Accessibility [a]	3
Economics		
ECON 120	Principles of Microeconomics [b]	4
ECON 121	Principles of Macroeconomics [b]	4
Education		
ED 100	Introduction to Urban Education [b]	3
ED 135	Child and Youth Policies in Urban America [b]	3
ED 200	Education Policy Foundations	3
ED 205	Introduction to Race, Ethnicity, and Education [b]	3
ED 222	Introduction to Gender, Sexuality, and Education [b]	3
ED 252	Contemporary Controversies in U.S. Schools	3
ED 253	Current Debates in Higher Education	3

POLS 101	Introduction to American Government and Politics [b]	3
Public Policy		
PPOL 101	Contemporary Issues in Public Policy [b]	3
PPOL 210	Introduction to Public Policy	3
PPOL 212	Evidence-Based Public Policy	3
PPOL 220	Introduction to Civic Technology	3
PPOL 230	Nonprofit Organizations and Civil Society [c]	3
PPOL 231	Social Policy and Inequality in the U.S.	3
PPOL 240	Environmental Policy	3
Public Health		
PUBH 100	Health and the Public [b]	3
Religious Studies		
RELS 256	Religion in American History [c]	3
Social Justice		
SJ 201	Theories and Practices of Social Justice	3
Sociology		
SOC 100	Introduction to Sociology [b]	3
SOC 105	Social Problems [b]	3
SOC 215	Sociology of Childhood and Youth [b]	3
SOC 224	Gender and Society (Same as GWS 224) [b]	3
SOC 225	Racial and Ethnic Groups (Same as BLST 225 and LALS 225) [b]	3
SOC 228	Sociology of Asia and Asian Americans (Same as GLAS 228) [b]	3
SOC 229	Sociology of Latinos (Same as LALS 229) [b]	3
SOC 241	Social Inequalities [b]	3
SOC 244	Sociology of Work [b]	3
SOC 245	Marriage and Family [b]	3
SOC 246	Sociology of Religion (Same as RELS 246) [b]	3
SOC 251	Health and Medicine [b]	3
SOC 276	Urban Sociology [b]	3
Spanish		
SPAN 224	Bilingual/Bicultural Hispanic American Writers	3
Theatre		
THTR 105	Introduction to American Musical Theatre [d]	3
Urban Studies		
US 101	Introduction to Urban Studies	3
US 130	Principles of Urban Sustainability	3
US 202	Social Justice and the City	3
US 230	Practices for Sustainable Cities	3

a *also approved for Analyzing the Natural World*
b *also approved for Understanding the Individual and Society*
c *also approved for Understanding the Past*
d *also approved for Understanding the Creative Arts*
e *also approved for Exploring World Cultures*
f *also approved for Understanding U.S. Society*

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. Some colleges require students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A or B grades may not be repeated. Normally, courses with a C grade may not be repeated. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the transcript. Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

To repeat a course more than once requires written permission from the student's college dean. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should consult their college before repeating a course.

Undergraduate Grade Point Average Recalculation Policy

- Colleges may elect to implement this policy as early as the end of the junior year, or as late as the final semester during degree certification.
- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The semester hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- In cases where these procedures would impact program accreditation, licensure or similar, colleges may use their discretion to allow the policy. Colleges, departments, and programs may have discretion in choosing courses that impact the student's major.

Double Major, Double Degrees, and Second Bachelor's Degree

The following general definitions are offered for informational purposes. Students should consult their college section of the catalog for information about the options available to them and the policies associated with those options. In addition, students should check with an academic advisor before pursuing one of these options.

Double Major

A double major consists of one bachelor's degree with two majors. A double major does not ordinarily have, as a requirement, additional semester hours beyond those required for a single major. To double major, students must complete all of the requirements for two majors within one college. A double major is generally not permitted when there is substantial overlap in coursework between the two majors.

Double Degrees

Double degrees consist of two bachelor's degrees completed concurrently. Double degrees require a minimum of 30 additional semester hours beyond those required for the first degree. To receive double degrees, students must formally request acceptance into the second degree program and complete all requirements for each of the degree programs. Double degrees can be within one college or across two colleges. Students who obtain double degrees receive a diploma for each degree. Double degrees are generally not permitted when there is substantial overlap in coursework between the two degree programs. No more than two bachelor's degrees may be awarded concurrently.

Second Bachelor's Degree

A second bachelor's degree is available only for students who have already been awarded a bachelor's degree at UIC or another institution. A second bachelor's degree requires a minimum of 30 semester hours at UIC after completion of the first degree. Students must apply to, be admitted, and complete the requirements for the second bachelor's degree. A second bachelor's degree is generally not permitted when there is substantial overlap in coursework between the first and second degrees. Students pursuing two degrees concurrently must follow the policies for Double Degrees, not Second Bachelor's Degree.

Application of Military Science Credits Toward the Degree

Earned credits in Military Science courses are applied toward partial fulfillment of degree requirements subject to the following:

- Military Science courses approved for general education are excluded from these limitations.
- Credits earned in 200-.300-,and 400-level MILS courses are applied as general elective credits and fulfill semester hour requirements for undergraduate degrees.
- Colleges may determine the applicability of MILS courses to satisfy college-specific requirements of majors, minors, concentrations, selectives, or electives.
- Colleges may allow a maximum of three semester hours of credit for Military Science courses at the 100 level. Colleges may allow an additional one hour of credit in basic military science for a minimum of six months of extended active duty in the in any branch of the armed forces of the United States.
- These rules apply to courses in naval science (NS) courses offered to UIC undergraduates and appearing on a UIC transcript but taught at the Illinois Institute of Technology (Illinois Tech).

a. Misrepresenting oneself or one's circumstances to an instructor;
b. Purchasing a prewritten paper(s) or assignment(s);
c. Selling, loaning, or otherwise distributing materials intended for the purpose of cheating, plagiarism, or other academically dishonest acts;
d. Destroying, altering, stealing, or forging someone else's work, library materials, laboratory materials, academic records, course syllabi, or examination/course grades;
e. Misrepresenting academic documents, including forgery, alteration, or knowing misuse of graded examinations, quizzes, grade lists, or official records of documents, including, but not limited to, transcripts from any institution, letters of recommendation, degree certificates, change of grade slip, examinations, quizzes, or falsifying academic information on one's resume.

Student Academic Grievance Procedures

The Student Academic Grievance Procedures define an administrative process through which students may seek resolution of complaints or Grievances regarding academic standing during their enrollment at UIC.

Student Academic Grievance Procedures Eligibility

1. These Procedures **may only** be used by Students:
   a. with a Complaint or Grievance regarding academic standing during their enrollment at UIC.
   b. about an academic decision made about them by an agent (e.g., faculty or staff member, administrator, committee) of the University of Illinois Chicago that directly and adversely affects the Student.
2. These Procedures **may not** be used:
   a. in deciding or appealing issues relating to student discipline under the purview of the Senate Student Judiciary Committee;
   b. in resolving any complaint, request, or question involving student records subject to campus procedures established under the Family Educational Rights and Privacy Act (FERPA) and contained in the Guidelines and Procedures Governing Student Records;
   c. by applicants for admission;
   d. in review of any decision by any university administrator or properly constituted board or committee relating to allocation of resources to support any unit's projects or programs.

A complete description of the procedures is online.

Graduation with Honors

The UIC Senate and the University of Illinois Board of Trustees establish the criteria under which students are awarded department, college, and university honors. Campus standards for college and department honors are described below. Currently applicable standards appear in the appropriate college and department sections of this catalog.

Departmental Honors

Departmental Distinction shall be based on grade point average and on other criteria considered appropriate by the department in which the major is completed and by its college. The transcripts carry the designation distinction, high distinction, or highest distinction, as appropriate.

General College Honors

General College Honors shall be awarded to a specific percentage of students, to be decided by the college, but not to exceed 15 percent of the students graduating in the college. The diploma and transcript carry the notation of such an award. Graduation with College Honors benefits the student when being considered for a graduate fellowship, job placement, or some other competitive opportunity.

University Honors

University Honors are awarded to graduating students who satisfy UIC hours residency requirements with a UIC grade point average that falls within the following honors categories:

- Summa cum laude: 3.90 and above
- Magna cum laude: 3.75 to 3.89
- Cum laude: 3.50 to 3.74

University Honors will be awarded based on UIC GPA at the end of the term prior to the term of graduation for commencement ceremony purposes. UIC will make permanent adjustments to student transcripts and diploma related to University Honors based on final grades.

Commencement

Degrees

A degree from the University of Illinois Chicago is awarded by action of the Board of Trustees on recommendation of the appropriate college and the Senate. Degrees are awarded three times a year, at the end of the fall, spring, and summer terms. The student receives the degree in a stated curriculum.

Students completing all degree requirements for their declared major will need permission from their college to enroll in additional undergraduate courses. After the degree has been awarded, students must submit a new application for admission to UIC in order to continue studying at the university.

Commencement

The colleges hold their own commencement ceremonies at the end of the spring semester. At each college ceremony, undergraduate, graduate, and professional degree students are individually recognized as degrees are conferred. Graduates from the preceding summer and fall terms and current spring semester are eligible to participate in the Spring Commencement ceremonies.

Check with the college for eligibility requirements. Additional information on commencement, including the schedule of ceremonies, maps and parking, and cap and gown information, is online.

Diplomas

Diplomas for both undergraduate and graduate students are mailed approximately three to four months after the degree award date.

Change of Name

To be reflected on the diploma, name changes must be submitted to the Office of the Registrar, 1200 Student Services Building, by the last day of the degree expected term.

Duplicate Diplomas

If the original diploma is destroyed, a duplicate diploma may be ordered by contacting the Office of the Registrar, 1200 Student Services Building.

Kinesiology, Nutrition Science, and Rehabilitation Sciences programs admit students for the fall and spring terms. Students may only begin their professional coursework for the on-campus Health Information Management program in the fall term. The Kinesiology program helps prepare students for professional studies at the graduate level in areas such as physical therapy, nutrition, medicine, dentistry, and nursing, or direct entry into careers in the health and fitness industries. The program encourages undergraduate participation in research; there are ample opportunities for undergraduates to become engaged in exciting research projects in state-of-the-art laboratories that are under the direction of world-class scientists. The Nutrition Science program is an accredited "Didactic Program in Dietetics," enabling graduates to apply for a dietetic internship at sites approved by the American Dietetic Association. The BS in Disability and Human Development offers a comprehensive curriculum that fosters understandings of disability as a social, political, historical, cultural, and environmental phenomenon, not just a medical or biological condition. The BS in Rehabilitation Sciences is an interdisciplinary social science degree offered through the College of Applied Health Sciences that is a unique integration of the research and educational expertise of all of the college's departments.

The professional occupational therapy program is offered at the doctoral (OTD, Doctor of Occupational Therapy) level. The professional physical therapy entry-level program is offered through the Doctor of Physical Therapy (DPT) program. For more information about these programs, contact the Department of Occupational Therapy at (312) 996-6901 or the Department of Physical Therapy at (312) 996-1501 or visit the college website.

Students planning to pursue a professional degree in Occupational Therapy or Physical Therapy should consult the Preprofessional Studies (p. 127) section of the catalog for information on recommended courses.

Degree Requirements

To earn a College of Applied Health Sciences degree from UIC, students need to complete university, college, and department degree requirements. University and college degree requirements for all College of Applied Health Sciences students are outlined below. Students should consult the major department section for additional degree requirements.

Changes to the graduation requirements may be announced in an online format. If requirements change, continuing students in AHS and those whose attendance at UIC has been interrupted for no more than two years, may continue to meet those requirements in effect at the time of their initial registration or may choose to complete the revised requirements. Students who return to UIC after an absence of more than two years are responsible for meeting the requirements of the university and college as well as the major or curriculum in effect at the time of the student's reenrollment. For all students, however, if courses originally required are no longer offered or if external accrediting or certifying agencies modify their requirements, the college or department will specify course substitutes.

Semester Hour Requirement

The College of Applied Health Sciences semester hour requirement varies by degree program.

Major	School	Degree Conferred	Total Hours
Disability and Human Development	Disability and Human Development	BS in Disability and Human Development	120
Health Information Management	Biomedical and Health Information Sciences	BS in Health Information Management	123
Kinesiology	Kinesiology and Nutrition	BS in Kinesiology	120
Nutrition—Nutrition Science	Kinesiology and Nutrition	BS in Nutrition	120
Rehabilitation Sciences	Program in Rehabilitation Sciences	BS in Rehabilitation Sciences	120

Course Requirements

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog. Information on meeting the General Education requirements for each degree program is provided in the College of Applied Health Sciences department sections.

General Education Proficiencies— University Writing Requirement

Applied Health Sciences students meet the requirement by achieving a passing grade in ENGL 160 and ENGL 161.

First-Year Seminar

All first-year students enrolled in the College of Applied Health Sciences are required to participate in a first-year seminar course. First-year seminar courses include AHS 100, AHS 101, DHD 100, HIM 101, HN 100, and KN 100.

Other Requirements

Course Level Requirement

At least 9 hours of the elective coursework taken by students in the Kinesiology curriculum must be taken at the 300 or 400 level. Nutrition and Health Information Management students follow a prescribed curriculum.

First Year Seminar Requirement

All first year students enrolled in the College of Applied Health Sciences must complete a first year seminar course (AHS 100,

Academic Notice and Dismissal Rules

The following are minimum undergraduate academic notice, term notice, and dismissal criteria that apply to both full-time and part-time students who fall below the minimum requirements necessary for good academic standing. Some programs in the College of Applied Health Sciences may have higher standards as described in their individual program handbooks.

Term Notice Rules

A student not currently on academic notice or term notice will be placed on term notice at the end of any term in which the student earns less than a 2.00/4.00 grade point average as long as the UIC grade point average remains equal to or greater than a 2.00/4.00. For such a student, term notice serves as a warning.

A student on term notice who earns a UIC GPA of at least 2.00/4.00 at the end of any term in which they are on term notice will be removed from term notice.

Academic Notice Rules

1. A student not currently on academic notice will be placed on academic notice at the end of any term in which the student earns a UIC GPA less than a 2.00/4.00. This rule applies even for students with a cumulative GPA of 2.00/4.00 grade point average or higher. Academic notice serves as a warning.
2. An entering transfer student may be placed on academic notice when admitted by petition with a cumulative GPA lower than 2.00/4.00.
3. A student readmitted by petition may be placed on academic notice when admitted with a UIC GPA lower than 2.00/4.00.
4. A student readmitted by petition may be placed on academic notice when admitted with a combined cumulative GPA from UIC and other institutions is lower than 2.00/4.00.

A student on academic notice who earns a GPA of at least 2.00/4.00 in a given term may be removed from academic notice, provided the student's UIC GPA in all work taken at UIC is at least 2.00/4.00. Further, for the student with transfer credit, the combined average of the student's transfer credit and UIC course work must also be at least a 2.00/4.00.

A student currently on academic notice will be continued on academic notice when the one of the following occurs:

1. The student meets the GPA required by the conditions of their academic notice but does not raise the cumulative UIC GPA to at least 2.00/4.00; or
2. The student meets the GPA required by the conditions of their probation but does not raise the combined average of the student's transfer credit and UIC course work to at least 2.00/4.00.

A change in academic standing at UIC cannot be removed by coursework from other colleges or universities, including programs of the Springfield and Urbana-Champaign campuses.

The dean of the student's college determines the conditions of academic notice. In addition to specifying the GPA, the dean may require the completion of specific courses, may limit the number of hours for which the student registers, and a may exclude the student from taking certain courses while on academic notice.

a *The academic standing guidelines described above apply to the Disability and Human Development, Kinesiology, Nutrition Science, and Rehabilitation Sciences. Health Information Management students must meet the academic standing conditions described in their Student Handbook.*

Dismissal Rules

1. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the grade point average required by the academic notice and in which the cumulative GPA in courses taken at UIC is less than 2.00/4.00.
2. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the GPA required by the academic notice and in which the combined transfer and UIC grade point average is less than 2.00/4.00.
3. A student who fails to make progress toward a degree may be dismissed. Examples include failure to complete required courses, accumulation of an excessive number of Incomplete grades, failure to earn credit in any semester, failure to maintain a C average in the major discipline.
4. Inadequate achievement and maintenance of professional performance, including performance during instruction in clinical sequences, personal deportment, and character deemed inconsistent with ethical standards of behavior for members of the health professions.
5. Failure to maintain professional program standards as outlined in the specific program student handbook.
6. In addition to the term notice, academic notice, and dismissal rules above, a college or a school may impose criteria for dismissing a student from a curriculum or college without prior academic standing of term notice or academic notice, may impose other terms of term notice or academic notice, and may specify a minimum lapse of time between a dismissal action and consideration of a petition for readmission. The dismissal rules may be waived when, in the judgment of the student's college, the student's overall record warrants such action.

a *In other university publications Dismissal Rules are sometimes referred to as Drop Rules. Term Notice and Academic Notice may be referred to as Probation.*

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using the my.UIC portal through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of four UIC individual courses that result in a W notation on their transcript their entire undergraduate degree program. Students will only be considered for a course drop after the late drop deadline only if significant extenuating circumstances exist. A petition must be submitted to be considered for a course drop after the deadlines.

College of Applied Health Sciences students should contact their advisor for assistance with registration changes. Individual appointments can be scheduled with advisors through the iAdvise system. For additional

1. For the Disability and Human Development, Kinesiology, Nutrition, and Rehabilitation Sciences programs, students should obtain written acceptance into the program by submitting the Double Degrees request, which can be found online on the College of Applied Health Science website. Students must meet the same prerequisite requirements as other intercollege transfer students before being accepted for a double degree.
2. For the Health Information Management program, students should apply to and be admitted to the program following the same procedures as other applicants. Progression to the upper-level professional coursework requires completion of specific pre-HIM prerequisite courses. Students should consult the department or review the Health Information Managment catalog page (p. 112) for additional details regarding these requirements.

AHS students who want to complete a second degree in another college should consult that college to determine the options available and applicable rules. AHS students who want to complete a second degree in AHS should follow one of the procedures listed above.

Students who obtain double degrees receive a diploma for each degree. No more than two bachelor's degrees may be awarded concurrently.

Second Bachelor's Degree

Students who have already earned a bachelor's degree at UIC or another institution are required to follow the same application procedures as all other applicants in order to pursue a second bachelor's degree. Students must complete all requirements for the second degree as specified by the college and the major department, including a minimum of 30 semester hours beyond those required for the first degree. The UIC enrollment residence requirement must also be met, i.e., the last 30 semester hours for the second degree must be taken at UIC. A second bachelor's degree is not permitted when there is substantial course overlap between the first and second degrees.

Graduate-Level Courses for Undergraduate Credit

With department approval, an undergraduate student may enroll in a graduate-level course (500-level) for undergraduate credit. Students should obtain approval from their academic department and the instructor prior to enrollment. Graduate-level courses taken by an undergraduate student are generally not applicable toward a graduate degree.

Independent Study

Undergraduates are encouraged to participate in research programs. Students must consult with the faculty member offering the independent study prior to registering for the section. A student can register for a range of hours depending on the Independent Study. Students in the Kinesiology program who would like to participate in the Senior Research Seminar and Project must meet minimum requirements to be eligible to participate and should consult their program before enrolling. Students are required to register for two semesters of research seminar to participate.

Petition Procedure

Students may file a written petition with their individual department to request an exception to college policies. The department will make a recommendation to the college for granting or denying the request. Petitions are generally only approved for exceptional cases. The general petition form is available on the AHS website.

Proficiency Examinations

The Kinesiology and Health Information Management (HIM) programs offer proficiency examinations for some of their courses. Students interested in proficiency examinations should contact the respective department.

Progression to Clinical Fieldwork

Students must complete required coursework prior to assignment to clinical/fieldwork experience. They must show readiness for the experience by having achieved performance levels that are related to the clinical fieldwork and are consistent with safety and technical standards defined in specific program objectives. Students who do not meet minimum performance standards may be asked to complete a remediation experience. Failure to demonstrate minimum clinical competencies could result in dismissal from the program.

Prompt and regular attendance is required for all clinical fieldwork experiences. All time lost must be made up. The affiliation clinical supervisor and the faculty member must be notified when a student cannot attend.

The broad range of learning experiences required to prepare for careers in the applied health sciences involves some work in various community settings and healthcare facilities. Some of the assignments for these learning experiences are in the Chicago metropolitan area; others are outside the Chicago area. Students should plan for additional living expenses and transportation for assignments outside the Chicago area. Every effort is made to make the assignments equitable, to meet individual student requests, and to provide appropriate instructions for safe conduct. With the limited resources available and the number of students to be accommodated among all the professions represented, it is not always possible to offer alternate choices.

Registration Approval

Students in their first year of enrollment at UIC or those on probation must meet with an academic advisor prior to registering for the next term. Students in professional programs must complete their courses in the sequence prescribed by their academic department. Failure to complete the appropriate coursework in a given term could result in dismissal from the program.

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. The College of Applied Health Sciences requires students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A or B grades may not be repeated. Normally, courses with a C grade may not be repeated unless required by an academic program. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the transcript. The original grade and the grade for each repeat will be calculated into the grade point average. Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

a *One-half of the hours required for the minor must be completed in enrollment residence at UIC.*

Academic Advising

Academic advising is provided at the department level. Students should contact their unit's program coordinator or academic advisor for more information on advising.

Advising Policy

All Applied Health Sciences students are expected to meet with their academic advisor once each term, or as specified in their program handbook. Students on academic probation are required to meet with their academic advisor prior to registering for the next term. Students interested in applying to professional programs in the College of Applied Health Sciences are encouraged to schedule an advising appointment at least one year prior to their expected admission date. Monthly advising sessions are offered for most professional programs in the college. Some programs assign a faculty advisor during the year of matriculation. Students should contact their individual departments or the Office of Student Affairs for further details.

Academic Honors

College Honors

The college recognizes and conforms with the campus-wide honors program. University Honors are awarded to graduating students whose UIC grade point average falls within the following honors categories:

- **Summa cum laude:** 3.90 and above
- **Magna cum laude***:* 3.75 to 3.89
- **Cum laude:** 3.50 to 3.74

The college will reserve the right to make permanent adjustments to the list of students receiving Latin Honors based on final semester grade point average.

Dean's List

Each semester the Dean's List honors the academic excellence of students enrolled in the college's undergraduate programs. Students must be full time and earn at least 12 semester hours of letter grades in his or her respective department to be eligible. Students must also earn a semester grade point average of 3.50/4.00 or higher.

Student Organizations

Applied Health Sciences students have a variety of student organizations available to them, ranging from student government to professional societies and organizations to groups organized around a specific focus. Involvement in student organizations is encouraged as experiences gained can enhance learning and contribute to development of valuable leadership skills. All students, upon admission, become members of the Urban Allied Health Academy. Students can also serve on various college committees.

Abbreviated Listing:

AHS Student Council
Disabled Students Union
Diverse Student Organization
Health Professions Student Council
Kinesiology Club
Pre-Occupational Therapy Club
Pre-Physical Therapy Club
Rehabilitation Sciences Club
Student Nutrition Association

Department of Biomedical and Health Information Sciences

Contact Information:
Campus Location: 250 Applied Health Sciences Building (AHSB)
(312) 996-3530
bhis@uic.edu
www.bhis.uic.edu

Administration:
Department Head, Kal Pasupathy
Program Director, Health Information Management, Felecia Williams, MPA, RHIA
Academic Advisor: Contact the Program Director, Felecia Williams, MPA, RHIA

Program Codes:
20GF1304BS (Campus)
20GF1304BSU (Online, students entering Spring 2022 and prior)
2PGF1304BSU (Online, students entering Summer 2022 and after)

The mission of Biomedical and Health Information Sciences is to advance the quality and efficiency of healthcare through improved information management, communication, and the generation of new forms of biomedical and other healthcare data. The goals of the department are leadership, innovation, initiative, and quality with strong focus on the unique arena of health informatics at the University of Illinois Chicago.

The department actively supports the central mission of the College of Applied Health Sciences by facilitating innovative educational and research programs, providing leadership within department disciplines to meet current industry challenges, and ensuring that graduates have a competitive edge in the increasingly demanding health informatics marketplace. The department strives to produce healthcare professionals who can effectively partner with and/or lead information technology professionals in the problem-solving activities of their organizations.

The Department of Biomedical and Health Information Sciences offers an undergraduate program leading to the Bachelor of Science in Health Information Management. More information is available on the department's website.

Accreditation

The Bachelor of Science in Health Information Management program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM).

BS in Health Information Management

The Health Information Management undergraduate degree program provides skilled instruction in the management and use of information and information systems for healthcare planning, provision, resource allocation, and executive decision making. The undergraduate program, established in 1965, maintains a reputation of excellence and consistently produces graduates who become leaders in the field.

Within the world of health information management, registered health information administrators (RHIAs) are responsible for the management

Pre-Health Information Management Course Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110	Biology of Cells and Organisms [a]	4
Additional Analyzing the Natural World course [b]		3-5
KN 230	Anatomy and Physiology Lecture I	3
KN 231	Anatomy and Physiology Lecture II	3
MATH 110	College Algebra	4
or MATH 105	Mathematical Reasoning	
PSCH 100	Introduction to Psychology [c]	4
PSCH 242	Introduction to Research in Psychology	3-4
or STAT 101	Introduction to Statistics	
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Past course [b]		3
Understanding U.S. Society course [b]		3
IDS 200	Intro to Management Information Systems	4
Electives—To complete the required total hours of General Education Core Requirement courses. [d]		10-14
Total Hours		**59-60**

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

b *Students should consult the* General Education *(p. 83) section of the catalog for a list approved courses in this category.*

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

d *KN 232 and KN 233 are recommended electives.*

Health Information Management Required Courses

Code	Title	Hours
Required Courses		
HIM 101	Health Information Management First Year Seminar (First year students only)	1
HIM 410	Introduction to the Health Care System	3
HIM 317	Principles of Health Information Management	4
HIM 319	Alternative Health Records	4
HIM 320	Technical Affiliation	2
HIM 329	Legal Aspects of Health Information Management	3
HIM 432	Coding and Classification Systems	3
HIM 433	Coding and Reimbursement Systems	4
HIM 337	Analysis of Health Care Data	4
HIM 343	Quality Evaluation and Management	3
HIM 361	Human Resources Management	3
HIM 367	Systems Analysis	3
HIM 374	Health Information Research	4
HIM 377	Current Issues in Health Information Management	2
HIM 384	Clinical Practicum	5
HIM 481	Healthcare Financial Management	2
BHIS 405	Medical Sciences and Human Pathophysiology [a]	3
BHIS 406	Medical Terminology for Health Information Management	2
BHIS 410	Health Data Structures and Management	3
BHIS 460	Introduction to Health Informatics	1
BHIS 461	Information Systems for Health Information Management	2
BHIS 480	Management and Business Practices	3
Total Hours		**63-64**

a BHIS 405 *must be taken within the first 17 hours of matriculation, excluding prerequisite courses. The student will be denied further registration in the program until this course is successfully completed.*

Proficiency Credit for Graduates of Accredited Programs in Health Information Technology (or Equivalent Coursework)

The following listing is for graduates of accredited associate's degree programs in Health Information Technology or others with equivalent coursework. Graduates of an associate's degree program in Health Information Technology accredited by the Commission on Health Informatics and Information Management Education (CAHIIM), who also hold current Registered Health Information Technician (RHIT) certification; or who provide a transcript of equivalent coursework and demonstrate proficiency by exam, may receive 21 hours of proficiency credit as follows:

Code	Title	Hours
Proficiency Credits		
HIM 317	Principles of Health Information Management	4
HIM 319	Alternative Health Records	4
HIM 320	Technical Affiliation	2
HIM 329	Legal Aspects of Health Information Management	3
HIM 410	Introduction to the Health Care System	3
BHIS 405	Medical Sciences and Human Pathophysiology	3
BHIS 406	Medical Terminology for Health Information Management	2
Students with a current CPC, CCA, CCS, CCS-P coding or RHIT credential and demonstrate proficiency via an exam, may receive proficiency credit for the following 7 hours:		7
HIM 432	Coding and Classification Systems (3 hours)	
HIM 433	Coding and Reimbursement Systems (4 hours)	

Students outside the College of Applied Health Sciences must also consult their home colleges about acceptability and applicability of HIM minor course credit toward their degree. Although open to students from any college at UIC, students seeking a minor will need to register for the courses needed through an HIM academic advisor in the College of Applied Health Sciences.

Requirements for the Minor

Students must complete 16 semester hours for the minor, including 7 hours of foundational courses and 9 hours within their topic of interest. The minor is flexible and allows students to create their own minor by selecting their elective topics based on what interests them and compliments their major. Depending on the student's area of interest the minor may be completed in as little as three semesters. Due to course sequencing and the students acceptance into the minor, the minor cannot be completed in less than three semesters. All courses are taught asynchronously online in an eight#week format. Courses must be taken in the sequence provided by the HIM program advisor.

Code	Title	Hours
Prerequisite Course		
HIM 410	Introduction to the Health Care System	3
Required Course		
HIM 317	Principles of Health Information Management	4
Selective Courses		
Select 9 hours from the following courses:		9
HIM 319	Alternative Health Records	
HIM 329	Legal Aspects of Health Information Management	
HIM 337	Analysis of Health Care Data	
HIM 343	Quality Evaluation and Management	
HIM 361	Human Resources Management	
HIM 374	Health Information Research	
HIM 432	Coding and Classification Systems	
HIM 481	Healthcare Financial Management	
BHIS 405	Medical Sciences and Human Pathophysiology	
BHIS 406	Medical Terminology for Health Information Management	
BHIS 410	Health Data Structures and Management	
BHIS 460	Introduction to Health Informatics	
BHIS 461	Information Systems for Health Information Management	
BHIS 480	Management and Business Practices	
Total Hours		**16**

Enrollment Residence Requirement in the Minor

A student must complete all coursework required for the minor field during their enrollment residence at the University of Illinois Chicago.

Note: Completion of the Minor in Health Information Management does not meet eligibility requirements for the R.H.I.A. (Registered Health Information Administrator) certification examination offered by the American Health Information Management Association.

Minor in Life Science Visualization

The Minor in Life Science Visualization is designed for students in many disciplines who wish to enhance their understanding of visual thinking, education, and communication in the life sciences. The minor is open to students from any college or major with a sophomore standing.

Requirements for the Minor

Students who wish to earn the minor must notify the Associate Program Director for Undergraduate Education - Life Science Visualization. Basic drawing competency must be demonstrated through a portfolio review. No college-level drawing course is required, but ART 112 is recommended. A minimum cumulative GPA of 2.50/4.00 is required, and a minimum cumulative GPA of 2.50/4.00 in Life Science Visualization courses must be maintained to successfully complete the program. Students must complete 16-17 semester hours for the minor.

Code	Title	Hours
Prerequisite Courses		
Students must earn a grade of B or higher in the following prerequisite course:		
BIOS 110	Biology of Cells and Organisms	4

Code	Title	Hours
Required Courses		
BVIS 250	Life Science Visualization Techniques I [a]	3
BVIS 251	Life Science Visualization Techniques II [b]	3
Complete at least one of the following:		4-5
KN 230 & KN 232	Anatomy and Physiology Lecture I and Anatomy and Physiology Laboratory I [c]	
BIOS 272	Comparative Vertebrate Anatomy [d]	
Complete at least one of the following:		3
BVIS 260	Biological Illustration Techniques	
BVIS 270	Anatomical Figure Drawing	
Complete at least one of the following:		3
BVIS 320	Life Science Animation, Storytelling and Storyboarding [b]	
BVIS 325	Digital Sculpting for Life Science Illustration [b]	
BVIS 330	Serious Games for Life Science Education [b]	
BVIS 335	Visual Strategies for Health and Life Science Communication [b]	
Total Hours		**16-17**

a *Requires BIOS 110, BIOS 120, or BIOS 104 as a prerequisite.*
b *Requires BVIS 250 as a prerequisite.*
c *Requires BIOS 110 as a prerequisite.*
d *Requires both BIOS 110 and BIOS 120 as a prerequisite.*

DHD 102	Disability in American Film [c]	3
DHD 201	Disability, Rights, and Culture	3
DHD 202	Disability, Health, and Society	3
DHD 301	Disability, Research, and Interdisciplinary Methods	3
DHD 302	Disability, Policy, and Law	3
DHD 303	Disability Activism: From the Local to the Global	3
DHD 400	Disability and Human Development Capstone	1
DHD 401	Disability, Human Development and Community Participation	3
DHD Elective Courses		
Select three of the following:		9
DHD 203	Disability in World Cultures	
DHD 204	Disability in the Humanities	
DHD 205	Disability, Race, Class and Gender	
DHD 206	Disability, Inclusive Cities, and Environmental Accessibility	
DHD 407	Cultural Politics of Disability and Health	
DHD 408	Disability Through the Lifecourse	
DHD 409	Disability Legal Studies	
DHD 440	Introduction to Assistive Technology: Principles and Practice	
DHD 450	Topics in Disability Studies	
DHD 494	Special Topics in Disability and Human Development	
Total Hours		**34-35**

a *Transfer students are not required to complete DHD 100 as part of the DHD core courses and will earn a total of 34 hours in core courses. The additional hour will be made up in elective hours.*

b *Satisfies the Understanding U.S. Society General Education requirement.*

c *Satisfies the Understanding the Creative Arts General Education requirement.*

Electives to reach Minimum Total Hours

Code	Title	Hours
Courses		
Electives to reach minimum total hours		61-62
Total Hours		**61-62**

Sample Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
DHD 100	Disability and Human Development Seminar	1
DHD 101	Disability in U.S. Society [a]	3
DHD 102	Disability in American Film [b]	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
General Education course (Analyzing the Natural World)		3
Elective		3
	Hours	**16**
Spring Semester		
DHD 201	Disability, Rights, and Culture	3
DHD 202	Disability, Health, and Society	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education course (Understanding the Past)		3
Elective		3
	Hours	**15**
Second Year		
Fall Semester		
DHD Elective		3
General Education course (Exploring World Cultures)		3
Electives		9
	Hours	**15**
Spring Semester		
DHD Elective		3
DHD 300-Level Core		3
General Education course (Understanding the Individual and Society)		3
Electives		6
	Hours	**15**
Third Year		
Fall Semester		
DHD 300-Level Core		3
Additional General Education Course		3
Electives		9
	Hours	**15**
Spring Semester		
DHD 401	Disability, Human Development and Community Participation	3
Additional General Education Course		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
DHD Elective		3
DHD 300-Level Core		3
Electives		9
	Hours	**15**
Spring Semester		
DHD 400	Disability and Human Development Capstone	1
Electives		13
	Hours	**14**
	Total Hours	**120**

a *Satisfies the Understanding U.S. Society General Education requirement.*

b *Satisfies the Understanding the Creative Arts General Education requirement.*

Minor in Disability and Human Development

The Minor in Disability and Human Development is open to majors in the College of Applied Health Sciences and from other units and colleges. Students will be allowed to complete the minor area of study in Disability and Human Development if they meet the transfer-eligibility criteria at the time of application (minimum GPA of 2.50/4.00). Students must submit a request form online. A minimum cumulative GPA of 2.50/4.00 is required for the minor field.

Transfer Admission Requirements

Students seeking admission to the department as a transfer student must meet the entrance requirements that are specified for transfer students. The minimum recommended transfer grade point average for admission is 2.50/4.00. No more than 60 semester hours (90 quarter hours) of credit may be accepted as transfer work from a two-year college. Complete transcripts from all postsecondary institutions must be submitted in order to be considered for admission. See the Office of Admission Transfer Guide for more information about transfer admission requirements.

BS in Nutrition

The Nutrition Science program, an accredited Didactic Program in Dietetics (DPD), provides students with the Accreditation Council for Education in Nutrition and Dietetics (ACEND) required didactic coursework. Upon completion of the Nutrition Science Program, students are eligible to apply for an accredited dietetic internship at another institution. After successfully completing a dietetic internship, students are eligible to sit for the Registration Examination for Dietitians. This program is also intended for students who do not wish to become registered dietitians, but instead plan to pursue advanced degrees in nutritional sciences, public health, allied health, or a professional degree in medicine. The Nutrition Science concentration prepares students for a future career as a registered dietitian, as well as for graduate study in nutrition, medicine, public health, other allied health fields, and dentistry.

Dietitians provide nutritional care to people in health and disease throughout the life cycle in accordance with their nutritional requirements and food habits. Dietitians' activities include the provision of direct inpatient and outpatient services as well as community program planning and evaluation, clinical protocol development, food service management, and research. Therefore, a dietitian must be knowledgeable in the biological and physical sciences, psychology, sociology, education, and management and must have expertise in food habits, food composition, food service, science of food and nutrition, energy and nutrient needs, program development and evaluation, and research methods. Dietitians counsel clients, as well as work with other members of the healthcare team in providing nutritional care in the clinical setting, and work with consumers in wellness programs and community agencies. Management of personnel, budgets, food operations, and consumer-oriented services in the food or healthcare industry are other areas for dietitians. The research and teaching is focused on the sciences of nutrition, physiology, biochemistry, and molecular biology and the application of knowledge in these disciplines to the maintenance of health and well-being of humans throughout their lives. The curriculum offers a wide range of courses on the nutritional, epidemiological, and behavioral aspects of human diseases, a broad perspective on human biology (including cultural factors), and a strong clinical orientation.

The Nutrition Science program is currently granted initial accreditation by The Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics as a Didactic Program in Dietetics (DPD).

Accreditation Council for Education in Nutrition and Dietetics of the Academy of Nutrition and Dietetics
120 South Riverside Plaza, Suite 2000
Chicago, IL 60606-6995
phone: (312) 899-0040, ext. 5400
http://www.eatright.org

First Year Admission

New first year applicants interested in pursuing the Bachelor of Science in Nutrition are eligible to apply to the Nutrition Science program (concentration) through the Department of Kinesiology and Nutrition. Students must meet the general UIC entrance requirements. A high school curriculum that emphasizes math and the natural sciences (biology, anatomy and physiology, chemistry and physics) gives the student the best chance for success in nutrition. The program will accept UIC and non-UIC transfer students. Prerequisites for ACEND accredited program, such as DPD or CP, may complete their prerequisites at UIC as Nutrition Science majors.

Transfer Admission Requirements

Students seeking admission to the Bachelor of Science in Nutrition, Nutrition Sciences program (concentration) must meet the minimum GPA of 2.50/4.00; however, admission is not guaranteed and transfer requests will be considered on an individual basis.

See the Office of Admission Transfer Guide for more information about transfer admission requirements.

Distinction

Departmental Distinction will be awarded to a student graduating with a BS in Kinesiology or a BS in Nutrition if the student meets the following criteria:

- **Distinction:** 3.75 to 3.89 UIC GPA
- **High Distinction:** 3.90 or above UIC GPA

Undergraduate Experiential Learning

Undergraduate students are required to participate in Experiential Learning. A guided research project, independent study, undergraduate teaching experience, internship, or study abroad course can be one of the most valuable experiences of a college education. The Department of Kinesiology and Nutrition offers the following opportunities:

Special Project and Presentation

KN 396 is designed to be a flexible course allowing juniors and seniors to gain experience in special projects in Kinesiology-related areas. Taken for 1–3 hours, KN 396 requires close interaction with one or more faculty members over the course of one semester. Students will have the opportunity to present their work in KN 397.

Internship Opportunity

Students with Junior or Senior standing who have an interest in expanding their classroom learning experience into a professional career environment are encouraged to apply for the Internship Program (KN 393). Over the course of the semester, each student is required to obtain a minimum of 300 hours of hands-on learning at their designated internship site, earning 6 hours of credit for the semester. A wide variety of internship opportunities within and outside of the Chicagoland area are available, and are designed to meet the specific career interests of each student. Students should inquire about the internship application process one to two semesters prior to the term during which they would like to intern.

Undergraduate Research and Presentation

The Undergraduate Research and Research Presentation sequence is offered as a capstone experience to students interested in pursuing advanced study or research careers in many subdisciplines of

Required Major Courses/Kinesiology Core

Code	Title	Hours
HN 196	Nutrition	3
KN 100	Kinesiology: First Year Seminar [a]	2
KN 136	Techniques and Principles of Exercise	3
KN 200	Statistical Methods	3
KN 237	Sport and Exercise Psychology	3
KN 243	Exercise Assessment	3
KN 245	Exercise Programming and Instruction	3
KN 230	Anatomy and Physiology Lecture I	3
KN 231	Anatomy and Physiology Lecture II	3
KN 232	Anatomy and Physiology Laboratory I	2
KN 233	Anatomy and Physiology Laboratory II	2
KN 261	Applied Musculoskeletal Anatomy	3
KN 336	Health Coaching	3
KN 352	Physiology of Exercise	4
KN 361	Movement Biomechanics	3
KN 362	Tissue Biomechanics	3
KN 372	Motor Control and Learning	3
KN 491	Professional Preparation	3
KN 495	Senior Seminar	1
Total Hours		**53**

a *KN 100 is completed by both first-year and transfer students.*

Experiential Learning

Code	Title	Hours
Requirements		
The Experiential Learning requirement is met through successful completion of 3 hours of KN 299, KN 393, KN 396 and KN 397, KN 398, KN 399, or KN 493.		3
Total Hours		**3**

Electives

Code	Title	Hours
Electives		
Select 22-23 hours of free electives. [a]		22-23
Total Hours		**22-23**

a *Electives must include at least one 300-level and at least one 400-level Kinesiology course, excluding Experiential Learning classes (KN 299, KN 393, KN 396 and KN 397, KN 398, KN 399 or KN 493)*

Sample Course Schedule

Course	Title	Hours
Freshman Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
KN 100	Kinesiology: First Year Seminar	2
CHEM 101	Preparatory Chemistry	4
MATH 121	Precalculus Mathematics	5
	Hours	**14**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
KN 136	Techniques and Principles of Exercise	3
KN 152	Introduction to Exercise Physiology and Health	3
BIOS 110	Biology of Cells and Organisms	4
KN 200	Statistical Methods	3
	Hours	**16**
Sophomore Year		
Fall Semester		
HN 196	Nutrition	3
KN 230	Anatomy and Physiology Lecture I	3
KN 232	Anatomy and Physiology Laboratory I	2
KN 237	Sport and Exercise Psychology	3
General Education course		3
	Hours	**14**
Spring Semester		
KN 231	Anatomy and Physiology Lecture II	3
KN 233	Anatomy and Physiology Laboratory II	2
KN 243	Exercise Assessment	3
KN 261	Applied Musculoskeletal Anatomy	3
PSCH 100 or KN 150	Introduction to Psychology or The Healthy Human	3-4
	Hours	**14-15**
Junior Year		
Fall Semester		
PHYS 131	Introductory Physics for Life Sciences I	4
KN 245	Exercise Programming and Instruction	3
KN 372	Motor Control and Learning	3
General Education course		3
Free Elective		3
	Hours	**16**
Spring Semester		
KN 352	Physiology of Exercise	4
KN 361	Movement Biomechanics	3
KN 491	Professional Preparation	3
Free Electives		5
	Hours	**15**
Senior Year		
Fall Semester		
KN 362	Tissue Biomechanics	3
Kinesiology 300-level Elective		3
Free Elective		3
General Education course		3
General Education course		3
	Hours	**15**
Spring Semester		
KN 336	Health Coaching	3
KN 495	Senior Seminar	1
Kinesiology 400-level Elective		3
Free Elective(s)		5-6
Experiential Learning		3
	Hours	**15-16**
	Total Hours	**120**

BS in Nutrition, Nutrition Science Concentration

Program Codes:
20GF5151BS

Electives

Code	Title	Hours
Electives [a]		
Select 23 hours of Elective courses.		23
Total Hours		**23**

a *Elective courses will depend upon students' postgraduation goals. It is recommended that students who intend to sit for the Registration Examination for Dietitians take HN 330 and HN 332.*

Sample Course Schedule—Nutrition Science

Course	Title	Hours
Freshman Year		
Fall Semester		
HN 100	Introduction to Nutrition: New Student Seminar	2
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
BIOS 110	Biology of Cells and Organisms	4
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
	Hours	**14**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 110	College Algebra	4
SOC 100	Introduction to Sociology	3
CHEM 232	Structure and Function	3
	Hours	**13**
Sophomore Year		
Fall Semester		
KN 230	Anatomy and Physiology Lecture I	3
KN 232	Anatomy and Physiology Laboratory I	2
HN 196	Nutrition	3
PSCH 100	Introduction to Psychology	4
Understanding the Creative Arts course		3
	Hours	**15**
Spring Semester		
KN 231	Anatomy and Physiology Lecture II	3
KN 233	Anatomy and Physiology Laboratory II	2
COMM 100	Fundamentals of Human Communication	3
CHEM 352	Introductory Biochemistry (Same as BIOS 352)	3
HN 110	Foods	3
Understanding the Past course		3
	Hours	**17**
Junior Year		
Fall Semester		
HN 201 or HN 302	Essentials of Nutrition, Physical Activity and Health Assessment or Nutritional Assessment	3
HN 308	Nutrition Science I	3
HN 318	Genetic, Molecular and Cellular Mechanisms of Chronic Diseases	3
Electives		6
	Hours	**15**
Spring Semester		
HN 309	Nutrition Science II	3
HN 313	Introduction to Community Nutrition	3
HN 306	Nutrition Education	3
HN 202	Culture and Food	2
Electives		5
	Hours	**16**
Senior Year		
Fall Semester		
HN 300	Science of Foods	3
HN 311	Nutrition During the Life Cycle	3
HN 320	Clinical Nutrition I	3
Electives		6
	Hours	**15**
Spring Semester		
HN 440	The Research Process in Nutrition	3
HN 420	Clinical Nutrition II	3
HN 423	Nutrition Counseling	3
Electives		6
	Hours	**15**
	Total Hours	**120**

Minor in Food Science

The Minor in Food Science is open to undergraduate students in any college who complete both prerequisite and required coursework. Students will be allowed to complete the minor if they have a minimum GPA of 2.50/4.00 at the time of application. Students must submit an application. Students must also consult their home colleges about the acceptability and applicability of Food Science course credit toward their degree. Registration for most courses in the food science curriculum is restricted; therefore, students must register through a nutrition department academic advisor. A minimum cumulative GPA of 2.50/4.00 is required for the minor field.

Prerequisites for the Minor

Code	Title	Hours
Required Prerequisites		
HN 110	Foods	3
One of the following chemistry sequences:		10
CHEM 122 & CHEM 123 & CHEM 124 & CHEM 125	Matter and Energy and Foundations of Chemical Inquiry I and Chemical Dynamics and Foundations of Chemical Inquiry II	
OR		
CHEM 116 & CHEM 118	Honors and Majors General and Analytical Chemistry I and Honors and Majors General and Analytical Chemistry II [a]	
One of the following organic chemistry courses:		4-5
CHEM 130	Survey of Organic and Biochemistry	
CHEM 230	Organic Chemistry of Biological Systems	
CHEM 232	Structure and Function	
BIOS 110	Biology of Cells and Organisms	4
BIOS 350	General Microbiology	3
BIOS 351	Microbiology Laboratory	2

a *While students in some UIC majors and minors who complete CHEM 116 and CHEM 118 are ordinarily not required to take CHEM 222, all students completing the Minor in Food Science must*

HN 313	Introduction to Community Nutrition	
Total Hours		**13**

a *HN 202 is approved for the Exploring World Cultures General Education category.*
b *This course may require prerequisites, which are listed in the course description.*

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in enrollment residence at the University of Illinois Chicago.

Rehabilitation Sciences

Contact Information:
Campus Location: 516 Applied Health Sciences Building (AHSB), 1919 West Taylor
Main Office: (312) 996-2079, Program Office: (312) 996-2073
ahsinfo@uic.edu

Administration:
Director, Program in Rehabilitation Sciences, Jennifer Wescott, OTD, OTR/L

This program is a unique integration of the research and educational expertise of departments in the College of Applied Health Sciences: Biomedical and Health Information Sciences, Occupational Therapy, Physical Therapy, Kinesiology and Nutrition, and Disability and Human Development. The integration of the offerings and talent from these programs allows the college to offer a high-quality, comprehensive rehabilitation undergraduate degree including elements of anatomy, physiology, disability studies, assistive technology, restorative and supportive therapies, healthcare administrative skills, and issues such as health informatics and health ethics. The program offers required courses in: basic concepts of rehabilitation sciences, anatomy and physiology, statistics and research methods, psychology, ethics, medical terminology, rehabilitation case management, assistive technology, social construction and cultural production of disability, and health informatics. The degree also offers additional relevant courses from college programs as selectives and electives, as well as research and interprofessional experiences.

Degree Program

- BS in Rehabilitation Sciences (p. 125)

BS in Rehabilitation Sciences

Program Codes:
20GF5207BS

Degree Requirements

To earn a Bachelor of Science in Rehabilitation Sciences degree from UIC, students need to complete university, college, and program degree requirements. Students should consult the College of Applied Health Science (p. 104) section for additional degree requirements and college academic policies. Students must complete all required General Education, core course, and selective course requirements and a total number of 120 degree hours to successfully complete the degree program. All candidates must have at least a 2.00/4.00 grade point average in all work taken at the University of Illinois Chicago, in all work taken in the major field, and in all work accepted by the university (transfer work plus work taken at UIC).

Code	Title	Hours
Summary of Requirements		
University Writing Requirement		6
General Education Core Requirements		20
Common Core		52
Selectives		12
Electives		30
Total Hours		**120**

University Writing Requirement

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Total Hours		**6**

General Education Core Requirements [a]

Code	Title	Hours
Required Courses		
BIOS 110	Biology of Cells and Organisms [b]	4
PSCH 100	Introduction to Psychology [c]	4
Understanding the Past course [d]		3
Understanding the Creative Arts course [d]		3
Exploring World Cultures course [d]		3
Understanding U.S. Society course [d]		3
Total Hours		**20**

a *The University General Education requirement is 24 hours distributed across the six categories. A required course in the major is approved for General Education and fulfills the student's 24 hours and sixth category.*
b *This course is approved for the Analyzing the Natural World General Education category.*
c *This course is approved for the Understanding the Individual and Society General Education category.*
d *Students should consult the* General Education *(p. 83) section of the catalog for a list approved courses in this category.*

Common Core

Code	Title	Hours
Courses		
AHS 101	Rehabilitation Sciences Student Success Seminar	1
AHS 102	Introduction to Clinical Research in Rehabilitation Sciences	3
AHS 210	Introduction to Rehabilitation Sciences	3
AHS 325	Approaches to Rehabilitation Case Management	3

Spring Semester		
BHIS 406	Medical Terminology for Health Information Management	2
PSCH 270 or PSCH 312 or PSCH 315 or PSCH 320 or PSCH 324	Introduction to Psychological and Behavioral Disorders or Social Psychology or Psychology of Women and Gender or Developmental Psychology or Cultural Psychology	3
Selective		3
Selective		3
Elective		3
Elective		3
	Hours	**17**
Fourth Year		
Fall Semester		
AHS 375	Ethics, Law and Professionalism in Health Sciences	3
HIM 410	Introduction to the Health Care System	3
AHS 402	Health Inter-professional Seminar	2
Undertanding the Creative Arts course		3
Elective		3
	Hours	**14**
Spring Semester		
AHS 365	Measurement and Assessment in Rehabilitation	3
BHIS 460	Introduction to Health Informatics	1
Elective		3
Elective		3
Elective		3
Elective		3
	Hours	**16**
	Total Hours	**120**

Preprofessional Studies

Preprofessional studies in the College of Applied Health Sciences are designed for students who intend to pursue their undergraduate or graduate education in professional programs of the AHS College. Preprofessional students in AHS can be Disability and Human Development, Kinesiology, Nutrition Science, or Rehabilitation Sciences majors. Advisors for students in pre-health information management, pre-occupational therapy, and pre-physical therapy are available in the AHS College Office of Student Affairs and the department offices. Students are also encouraged to participate in the preadmission information sessions which are held monthly within the Occupational Therapy and Physical Therapy departments. Scheduling information for these sessions can be found on the AHS website.

Completion of the required coursework or attainment of the minimum grade point average does not guarantee admission to a professional program. Pre-HIM, Pre-OT and Pre-PT students must complete all the requirements for a bachelor's degree, including a major, in addition to the preprofessional studies.

Preprofessional Studies

- Pre-Health Information Management (p. 127)
- Pre-Occupational Therapy (p. 128)
- Pre-Physical Therapy (p. 129)

Pre-Health Information Management

Health information administrators are responsible for the management of health information systems consistent with the medical, administrative, ethical, and legal requirements of the healthcare delivery system. They process patient data, design and implement systems that will accurately record this information and make it readily retrievable, and develop and maintain quality assurance programs to assist the healthcare team in monitoring all healthcare activities.

The HIM administrator also provides medical information to qualified users and safeguards confidential patient data. Administrative duties assigned to this health professional include responsibility for subordinate personnel, capital equipment selection, systems design and analysis, hospital committee activities, and budget management.

Students pursuing Health Information Management acquire knowledge of medical science, disease classification and coding, record management, health information systems, information technology, and organization and management. Coursework is integrated with clinical practice experience in the health information management departments of affiliated hospitals, so that the student can develop the organizational and managerial skills required to administer an efficient health information management department.

The prerequisite coursework listed below prepares the student to apply to the Bachelor of Science in Health Information Management program offered in the College of Applied Health Sciences. If admitted to the program, students will complete two additional years of undergraduate study in the College of Applied Health Sciences to obtain the bachelor's degree. Completion of pre-health information management coursework does not guarantee admission to the College of Applied Health Sciences.

Prerequisite Coursework

59-60 semester hours, exclusive of basic military science, distributed as follows:

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110	Biology of Cells and Organisms [a]	4
Additional Analyzing the Natural World course [b]		3-5
KN 230	Anatomy and Physiology Lecture I	3
KN 231	Anatomy and Physiology Lecture II	3
PSCH 100	Introduction to Psychology [c]	4
STAT 101	Introduction to Statistics	3-4
or PSCH 242	Introduction to Research in Psychology	
MATH 110	College Algebra	4
or MATH 105	Mathematical Reasoning	
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Past course [b]		3
Understanding U.S. Society course [b]		3

and a personal statement, and UIC-specific essay. Applicants with a GPA of below 3.00 who display strengths in other areas may be considered for admission. Students must apply for admission to the program approximately one year before planned enrollment.

Pre-Physical Therapy

Physical therapy is a health profession whose primary purpose is the promotion of optimal human health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. Physical therapy encompasses areas of specialized competence and includes the development of new principles and applications to more effectively meet existing and emerging health needs. Other professional activities that serve the purpose of physical therapy are research, education, consultation, and administration.

The physical therapist, working in cooperation with other health professionals, serves the individual needs of the client and the health needs of society. The physical therapy profession depends heavily on knowledge and application of the basic medical and behavioral sciences, coupled with specialized knowledge and skills in the clinical arts and sciences.

Physical therapists may work as staff, supervisors, or self-employed practitioners who serve clients directly; as administrators of clinical departments, health agencies, or educational programs; as healthcare agency consultants; as clinical or academic teachers; or as researchers.

They may work in hospitals, clinics, rehabilitation centers, schools for children with disabilities, neighborhood health centers, physicians' offices, nursing homes and convalescent centers, private and public health agencies, sports settings, and universities.

Preprofessional Coursework

Pre-physical therapy students may choose any major but should work with an advisor to plan a course of study that fulfills the pre-physical therapy studies requirements as well as the requirements for the major. Students are advised to declare an educational goal of pre-physical therapy upon entering UIC which will alert them to specific workshops and other pertinent information.

The pre-physical therapy requirements follow and should be completed as part of the undergraduate degree program.

Code	Title	Hours
Required Courses [a]		
BIOS 110	Biology of Cells and Organisms [b]	4
Select one of the following general chemistry sequences:		10
CHEM 122	Matter and Energy	
CHEM 123	Foundations of Chemical Inquiry I [b,c]	
CHEM 124	Chemical Dynamics	
CHEM 125	Foundations of Chemical Inquiry II [b,c]	
OR		
CHEM 116	Honors and Majors General and Analytical Chemistry I [b]	
CHEM 118	Honors and Majors General and Analytical Chemistry II [b]	
Choose from one of the following statistics courses:		3-4
PSCH 242	Introduction to Research in Psychology	
PSCH 343	Statistical Methods in Behavioral Science [d]	
KN 200	Statistical Methods	
SOC 201	Introductory Sociological Statistics	
STAT 101	Introduction to Statistics	
STAT 130	Introduction to Statistics for the Life Sciences	
PHYS 131	Introductory Physics for Life Sciences I [b]	4
PHYS 132	Introductory Physics for Life Sciences II [b]	4
PSCH 100	Introduction to Psychology [e]	4
Select one course in developmental or abnormal psychology from the following:		3
PSCH 270	Introduction to Psychological and Behavioral Disorders [e]	
PSCH 320	Developmental Psychology	
KN 230	Anatomy and Physiology Lecture I	3
KN 231	Anatomy and Physiology Lecture II	3
KN 232	Anatomy and Physiology Laboratory I	2
KN 233	Anatomy and Physiology Laboratory II	2
Total Hours		**42-43**

a *Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the* General Education (p. 83) *section and their college/department sections of the catalog for more information on fulfilling these requirements.*

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

c *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123; CHEM 124/CHEM 125.*

d *PSCH 343 is limited to psychology majors. Other options include SOC 201 (for sociology majors), KN 200 (for KN majors), STAT 101 and STAT 130.*

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

In addition, applicants must complete a minimum of 40 hours of documented volunteer or observation experiences in a variety of physical therapy facilities. Current certification in CPR (cardiopulmonary resuscitation) with Health Provider Status is recommended prior to beginning the professional program. Students must also have earned a bachelor's degree prior to enrolling in the program.

The minimum GPA for application to the program in physical therapy is 2.50/4.00 in science and nonscience courses. The competitive GPA, however, is considerably above this level. The Graduate Record Examination (GRE) taken within five years of the date of application. Students must apply for admission to the program approximately one year before planned enrollment. Students should call (312) 996-6646 for additional information.

College of Architecture, Design, and the Arts

Contact Information:

Graphic Design	Design	BDes in Graphic Design	132
Industrial Design	Design	BDes in Industrial Design	132
Interdisciplinary Education in the Arts	Art & Art History	BA in Interdisciplinary Education in the Arts	120
Music	Theatre & Music	BA in Music	120
Music—Jazz Studies	Theatre & Music	BMus in Jazz Studies	120
Music—Performance	Theatre & Music	BMus in Performance	120
Music Business	Theatre & Music	BA in Music Business	120
Music Education	Theatre & Music	BMus in Music Education	122
Theatre and Performance	Theatre & Music	BA in Theatre and Performance	120
Theatre Design, Production, and Technology	Theatre & Music	BA in Theatre Design, Production, and Technology	120

Course Requirements

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog. Information on meeting the General Education Core requirements for each degree program is provided in the College of Architecture, Design, and the Arts school sections.

General Education Proficiencies—University Writing Requirement

College of Architecture, Design, and the Arts students meet the requirement by achieving a passing grade in ENGL 160 and ENGL 161.

UIC First Year Dialogue Seminar

The College of Architecture, Design, and the Arts requires all new incoming freshmen in the college to complete DLG 120. DLG 120 is an 8-week, 1-semester-hour course focusing on diversity and dialogue.

Foundation Course Requirements

Each school and department in the college has a different set of foundation and major course requirements. Students must fulfill all the foundation and major course requirements outlined for their degree program.

Other Requirements

Course Level Requirement

Each school or department in the College of Architecture, Design, and the Arts has specific upper-level requirements for their degree programs. Students should consult the individual unit for details on required 200-, 300-, or 400-level coursework.

Coursework Limitations

Coursework that duplicates previous credit does not count toward graduation, unless the course is indicated as repeatable in the undergraduate course catalog. Students should consult with their college academic advisor regarding repeatable credit. No credit is given for a course in which a failing grade is received.

Credit earned in ENGL 060, MATH 088, and MATH 090 will not fulfill college degree requirements.

Credit earned in MATH 121 (or below) will not fulfill graduation requirements for the Bachelor of Science in Architecture degree. MATH 110 (or below) will not fulfill the graduation requirements for the Bachelor of Arts in Architectural Studies degree.

Students whose placement test results require taking several courses that carry no graduation credit should plan on additional terms of enrollment to complete the required curriculum. All courses are included, however, for determining a student's full-time/part-time status; for computing cumulative grade point averages (except for 000-level courses); and in determining probation, dismissal, and Dean's List statuses.

Elective Credit

The university, college, school, and department degree requirements may not provide all the hours required for graduation. The remaining credits are completed through elective courses, whose careful selection should serve to enrich students' knowledge and understanding. Elective courses should always be chosen for educational ends and not for the sake of convenience.

Full-Time Enrollment

Students in the college are expected to carry a full-time load in order to make satisfactory progress toward their degree. Students should consult with their academic advisor if they enroll in a part-time schedule to determine their degree progress and projected graduation date.

Grade Point Average (GPA) Requirement

College of Architecture, Design, and the Arts students cannot graduate with less than a 2.00/4.00 GPA in all work taken at UIC, in all work taken in the major field, and in all work accepted for transfer by the university (transfer work plus work taken at UIC).

Graduation Declaration/Filing to Graduate

Students who are within two terms of graduation should contact the Office of Student Affairs for a complete check of their progress toward the degree. A diploma cannot be ordered until a student has completed this graduation check.

Students declare their intent to graduate online using my.UIC. The deadline for submission to the Pending Degree List is the end of the third week (fall and spring) or second week (Summer Session 2) of the

received at least two weeks prior to the start date of the semester for which students wish to be readmitted. Petitions received after that time will be considered for readmission for the following term.

a *In other university publications Dismissal Rules are sometimes referred to as Drop Rules. Term Notice and Academic Notice may be referred to as Probation.*

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program. College of Architecture, Design, and the Arts students must complete a request form in the Office of Student Affairs.

Change of Degree

Students wishing to change degrees within the college should reach out to the Office of Student Affairs by emailing cadainfo@uic.edu. New students (incoming students who have not yet started coursework) should complete a petition, and continuing students (those who have completed at least one semester of coursework) should complete an intercollege application form.

Class Attendance

Students are expected to attend all lectures, discussions, and laboratory/studio sessions. Faculty may establish minimum attendance requirements and penalties for nonattendance.

Closed Courses

No student may be admitted to a closed course in the college unless the director or chairperson has approved an increase in capacity, which is often restricted by educational policies, budget, and maximum room capacities.

Course Prerequisites

Course prerequisites are listed in both the Undergraduate Catalog and the semester Schedule of Classes. A prerequisite may be waived, if evidence is provided that the student is adequately prepared to pursue the subject area.

Credit/No Credit Option

Students may elect to take a course under the credit/no credit option according to the following provisions:

1. The student must be in good standing. Students on probation or whose status is undetermined at the time in which they elect the option are not eligible.
2. A maximum of 21 semester hours of credit may be earned at UIC under the credit/no credit option. If a student withdraws from a credit/no credit course before the end of the last day of instruction in the tenth week of the term, the semester hours the course carries will not count toward the total of 21 authorized.
3. No more than one course per term may be taken under this option.
4. This option may not be used in any course required for the major or a minor, including prerequisite and collateral courses. This includes any course specifically listed by rubric or course number as a requirement in a student's curriculum.
5. Under certain conditions, electives may be taken under credit/no credit; courses being used for specific graduation requirements (such as art history electives) must be taken for a letter grade. For specific credit/no credit rules for prerequisite and collateral courses, please see an advisor.
6. This option may not be used for ENGL 160 and ENGL 161.
7. Students may not use credit/no credit to satisfy foreign language requirements in college programs requiring one- or two-year sequences.
8. The credit/no credit option cannot be revoked after the close of the tenth day of instruction in the term.
9. Instructors are not informed that the option has been elected but assign a letter grade in the usual manner.
10. For courses taken under the credit/no credit option, a grade of CR is recorded on the transcript if a letter grade of A, B, C, or D is earned. If the letter grade F is assigned, an NC is entered on the transcript. I and DF grades are replaced by CR or NC upon completion of the courses or converted to NC if the course completion deadline for an I is not met.
11. The grades of CR and NC are not used in the computation of the grade point average. It is the responsibility of the student to determine eligibility under the credit/no credit option.
12. Students must apply at their college office no later than the tenth day of the term (first Wednesday of Summer Session 1 or first Friday of Summer Session 2) to have a course designated for credit/no credit grading option.
13. Students with questions concerning their eligibility should make an appointment with a college advisor.

Declaring a Degree

While a student may begin taking courses in the degree at any time, a student must declare a degree no later than the completion of 60 semester hours. To declare a degree, the student should consult their academic advisor.

Double Major, Double Degrees, and Second Bachelor's Degree

Double Major

This option is not available in the College of Architecture, Design, and the Arts.

Double Degrees

A student may receive two degrees concurrently from the College of Architecture, Design, and the Arts. The student must complete a minimum of 30 semester hours of credit beyond the requirements of the first degree in courses not offered for the first degree. The student must additionally meet all the requirements for the second degree specified by the college and the major. Students seeking double degrees should

School	Minimum GPA
Architecture	2.75/4.00
Art & Art History	2.75/4.00
Design	2.75/4.00
Theatre & Music	2.50/4.00

Admission to the college is selective and competitive and admissions standards are higher than the minimum grade point average requirement.

Transfer Students from Other Colleges and Universities

The minimum transfer grade point average for admission to the College of Architecture, Design, and the Arts varies with each school or department. All admission decisions are final due to the demand for space in all programs. Students should refer to the requirements listed for each program.

Department/School	Portfolio/Audition	Minimum GPA
Architecture	Portfolio required only for advanced placement in the BS in Architecture	2.75/4.00
Art & Art History	N/A	2.75/4.00
Design	N/A	2.75/4.00
Theatre & Music	Audition required for Acting, Music, Music Business, Music Performance, Jazz Studies, and Theatre and Performance; Interview and Portfolio required for Theatre Design, Production, and Technology. In addition applicants to the BMus in Music Education will be interviewed and will perform musical selections for acoustic musicians, with submission of audio and score files for digital musicians.	2.50/4.00

School of Architecture: BS in Architecture. Students who have completed at least one full year of architectural design work at another university or college are eligible to apply for advanced placement in the School of Architecture. Applicants wishing to apply for advanced placement must submit a portfolio of design work to the academic advisor in the school. More information on the portfolio requirement is available online.

Advanced placement is a competitive process that is limited to spaces available in the level of program appropriate for the transfer student. Acceptance into the school does not guarantee advanced placement. Admission is not conditional upon an advanced placement decision. See the Office of Admissions Transfer Guide for more information about transfer admission requirements.

School of Architecture: BA in Architectural Studies. The program will admit undergraduate students having completed two years of college, either at UIC or at other institutions. In all transferrable coursework, applicants must earn a minimum cumulative grade point average of 2.75/4.00 and at least 60 semester hours at time of enrollment in order to be considered for admission. See the Office of Admissions Transfer Guide for more information about transfer admission requirements.

School of Art & Art History. The School of Art & Art History will require a portfolio review upon completion of the first-year program before placing into the Art and Art Education degrees. Please contact the school or CADA Academic Advisor regarding the dates, times, and policies for this review.

Admission to the Department of Art History is selective and competitive; admissions standards are typically higher than the stated minimum grade point average. See the Office of Admissions Transfer Guide for more information about transfer admission requirements.

School of Design. Students who have taken art and design courses at a community college should be aware that these courses will be credited as electives only. The School of Design will require a portfolio review upon completion of the first-year program before entry into the Design Studies, Graphic Design and Industrial Design degrees. Portfolios will be reviewed in April, and students will be admitted into the major during the fall semester only. Please contact the school or CADA Academic Advisor for information regarding the dates, times, and policies for this review. See the Office of Admissions Transfer Guide for more information about transfer admission requirements.

School of Theatre & Music. For advanced placement in the music and theatre programs, introductory music courses require a minimum grade of C and introductory theatre courses require a minimum grade of B. Acting, music, and theatre and performance majors require an audition. Also, music transfer students will be required to take a placement test in music theory to determine the correct level in which to place them. See the Office of Admission Transfer Guide for more information about transfer admission requirements.

Transferring Out of the College

A student in the College of Architecture, Design, and the Arts who wants to transfer into another college must follow the new college's application procedure and meet the new college's requirements.

Minors

The College of Architecture, Design, and the Arts offers the following minors.

Minor	Department	Hours
Architectural Studies	Architecture	16
Art	Art & Art History	16
Art History	Art & Art History	17
Museum and Exhibition Studies	Art & Art History	15
Music	Theatre & Music	21
Theatre	Theatre & Music	18

Degree Programs

- BS in Architecture (p. 137)
- BA in Architectural Studies (p. 138)

Minor

- Minor in Architectural Studies (p. 139)

BS in Architecture

Program Codes:
20FR5046BS

Degree Requirements

To earn a Bachelor of Science in Architecture degree from UIC, students need to complete university, college, and school degree requirements. The School of Architecture degree requirements are outlined below. Students should consult the *College of Architecture, Design, and the Arts* section for additional degree requirements and college academic policies. In addition to college and university GPA requirements, students must maintain a C average in studio each year.

Code	Title	Hours
Summary of Requirements		
Core Courses		92
Distribution Requirements		27
Additional Electives		2-3
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only) [a]	1
Total Hours		**122**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 2 hours of electives for the BS in Architecture. All other students complete 3 hours of electives for the BS in Architecture.*

Core Courses

The core courses in the curriculum provide a foundation in the discipline of architecture through the study of the visual and verbal languages of architectural form and the materials and techniques of architectural production. Courses in math and the natural sciences, art and architectural history, humanities, and the social sciences as well as the profession of architecture enable students to make rational decisions about career options relative to their personal strengths and weaknesses.

Code	Title	Hours
Required Courses		
ARCH 105	Architectural Studio 1	5
ARCH 106	Architectural Studio 2	5
ARCH 151	Architecture at Chicago	2
ARCH 205	Architectural Studio 3	5
ARCH 206	Architectural Studio 4	5
ARCH 251	Architectural Analysis	3
ARCH 252	Modern Architecture	3
ARCH 359	Architectural Technology 1	4
ARCH 360	Architectural Technology 2	4
ARCH 365	Architectural Studio 5	6
ARCH 366	Architectural Studio 6	6
ARCH 371	Architectural Theory 1	3
ARCH 372	Architectural Theory 2	3
ARCH 470	Structures I: Statics	3
ARCH 471	Structures II: Strength of Materials	3
ARCH 414	Contemporary Practices	3
ARCH 465	Advanced Topic Studio 1	6
ARCH 466	Advanced Topic Studio 2	6
MATH 180	Calculus I [a]	4
PHYS 131	Introductory Physics for Life Sciences I [a]	4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
100- or 200-level Art History course [b]		3
Total Hours		**92**

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

b *This course must be a course approved for the Understanding the Creative Arts General Education category.*

Distribution Requirements

Code	Title	Hours
Required Courses		
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Exploring World Cultures course [a]		3
Understanding U.S. Society course [a]		3
Three College electives		9
Liberal Arts and Sciences course(s)		6
Total Hours		**27**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

Additional Electives

Code	Title	Hours
Electives		
Free Electives [a]		2-3
Total Hours		**2-3**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 2 hours of electives for the BS in Architecture. All other students complete 3 hours of electives for the BS in Architecture.*

d *Choose any course at UIC, approximately eight courses total, depending on credit value of 3–5 hours per course*

Architectural Studies

Code	Title	Hours
Required Courses		
ARCH 105	Architectural Studio 1	5
ARCH 106	Architectural Studio 2	5
ARCH 151	Architecture at Chicago	2
ARCH 251	Architectural Analysis	3
ARCH 252	Modern Architecture	3
ARCH 371	Architectural Theory 1	3
ARCH 372	Architectural Theory 2	3
ARCH 414	Contemporary Practices	3
ARCH 440	Digital Design and Fabrication	3
ARCH 499	Special Topics	3
Two Art History Electives (200-level or higher)		6
Arts Elective (select any art, design, music, or theatre course)		3
LAS Elective (select any Liberal Arts and Sciences courses)		3
LAS English Elective (select any English course in drama, film, fiction, U.S. culture, or popular genres)		3
University Electives (select any courses at UIC to reach a minimum of 12 semester hours)		12
Total Hours		**60**

Sample Course Schedule—Architectural Studies

Course	Title	Hours
Junior Year		
Fall Semester		
ARCH 105	Architectural Studio 1	5
ARCH 151	Architecture at Chicago	2
ARCH 251	Architectural Analysis	3
Art History Elective (200-level or higher)		3
English Elective		3
	Hours	**16**
Spring Semester		
ARCH 106	Architectural Studio 2	5
ARCH 252	Modern Architecture	3
Arts Elective (choose any art, design, music, or theatre course)		3
University Elective (choose any course at UIC) [a]		3
	Hours	**14**
Senior Year		
Fall Semester		
ARCH 371	Architectural Theory 1	3
ARCH 414	Contemporary Practices	3
ARCH 440	Digital Design and Fabrication	3
University Elective (choose any course at UIC) [a]		3
University Elective (choose any course at UIC) [a]		3
	Hours	**15**
Spring Semester		
ARCH 372	Architectural Theory 2	3
ARCH 499	Special Topics	3
Art History Elective (200-level or higher) [a]		3
LAS Elective (choose any Liberal Arts and Sciences course)		3
University Elective (choose any course at UIC) [a]		3
	Hours	**15**
	Total Hours	**60**

a *To meet prerequisites for many MArch programs, the University Electives should include: MATH 180 and PHYS 131.*

Minor in Architectural Studies

Requirements for the Minor

The Minor in Architectural Studies is a 16-semester-hour sequence of five architecture lecture/seminar courses that provides an understanding of the history of ideas and cultural invention through study of architecture and related design practices.

Code	Title	Hours
Required Courses		
ARCH 200	Architecture and Society	4
ARCH 252	Modern Architecture	3
ARCH 371	Architectural Theory 1	3
ARCH 372	Architectural Theory 2	3
ARCH 414	Contemporary Practices	3
Total Hours		**16**

Admissions Requirement

A student who has completed ARCH 200, a course that is open to all UIC undergraduates, with a grade of C or better can declare their intent to minor in Architectural Studies by completing and turning in an intent form to the architecture undergraduate advisor in the College of Architecture, Design, and the Arts Office of Student Affairs.

Minimum GPA Requirement

Students must earn a minimum GPA of 2.00/4.00 in minor coursework to earn the minor.

Residency Requirement

All of the courses are currently offered by and would need to be completed at the School of Architecture.

School of Art & Art History

Contact Information:
Campus Location: 106 Jefferson Hall
(312) 996-3337

Administration:
School Administration: Director, Ömür Harman#ah
Department of Art: Chairperson, Matthew Metzger
Department of Art History: Chairperson, Catherine Becker

Department of Art

artandarthistory.uic.edu

The Department of Art is home to world renowned artists who push the boundaries of contemporary art. Degrees in Art encourage problem solving, material exploration, intellectual curiosity, critical thinking, cultivation of the imagination, and communication through art and art education. The aesthetic, critical, and social skills of Art majors are

Degree Programs

- BFA in Art (p. 141)
- BFA in Art Education (p. 142)
- BA in Art History (p. 144)
- BA in Interdisciplinary Education in the Arts (p. 147)

Minors

- Minor in Art (p. 149)
- Minor in Art History (p. 149)
- Minor in Museum and Exhibition Studies (p. 149)

BFA in Art

Program Codes:
20FR5448BFA

Degree Requirements

To earn a Bachelor of Fine Arts in Art degree from UIC, students need to complete university, college, and school degree requirements. The Art Degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section for additional degree requirements and college academic policies.

A portfolio review is required upon completion of the Art Foundations coursework.

Code	Title	Hours
Summary of Requirements		
First Year Program		24
General Education and Foundation Courses		33
Art Major Requirements		61
Electives outside the Department of Art		10-11
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only) [a]	1
Total Hours		**129**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 10 hours of electives for the BFA in Art. All other students complete 11 hours of electives for the BFA in Art.*

First Year Program

Students are required to take ART 101 and choose five 100-level, studio-based courses from the six that are offered for a total of 24 hours.

Code	Title	Hours
Required Courses		
ART 101	Signifying Practices: Art and Visual Culture	4
Select five of the following:		20
ART 112	Introduction to Drawing	
ART 130	Introduction to Painting + Color	
ART 140	Introduction to Sculpture	
ART 150	Introduction to New Media Arts	
ART 160	Introduction to Digital Photography	
ART 170	Introduction to Filmmaking	
Total Hours		**24**

General Education and Foundation Courses

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
Analyzing the Natural World course [a,b]		4
Understanding the Past course [a]		3
Exploring World Cultures course [a]		3
AH 110	World History of Art and the Built Environment I [c]	4
AH 111	World History of Art and the Built Environment II [c]	4
AH 160	Trends in International Contemporary Art Since 1960 [c]	3
Total Hours		**33**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category. Students may choose a General Education course that falls below the recommended semester hour value for a particular category as long as the student reaches a total of 24 hours of General Education distributed across the six categories.*

b *Students who select a course worth less than 4 hours from the Analyzing the Natural World list will need to take an additional General Education Core course as part of their electives.*

c *This course is approved for the Understanding the Creative Arts General Education category.*

Art Major Requirements

Students must consult with faculty advisors for approval of concentration and elective courses each semester.

Code	Title	Hours
Required Courses		
Art Concentration in one discipline (chosen from ART courses at 200-300 level)		16
Art Electives (chosen from ART courses at 200-400 level)		24
ART 401	Senior Projects: Critique	6
ART 402	Senior Projects: Thesis	6
AH 201	Reading and Writing Art Criticism	3
Art History— Chosen from AH courses at 200 level and above		6
Total Hours		**61**

Electives outside the Department of Art

Code	Title	Hours
Electives		
Electives outside the Department of Art [a]		10-11
Total Hours		**10-11**

requirements. The BFA in Art Education degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements [a]		
First Year Program		24
General Education and Foundation Courses		36
Professional Core		48
Art Education Major Courses		24
DLG 120	UIC First-Year Dialogue Seminar (required of new freshman only) [b]	1
Total Hours		**132-133**

a *Students must achieve a grade of Credit or C or higher for courses to count toward degree requirements. ENGL 160 and ENGL 161, Art, Education, and Art History courses may not be taken credit/no credit.*

b *New freshmen are required to complete* DLG 120 *for one hour. These students will complete 133 total hours, while all other students complete 132 hours for the BA in Art Education.*

First Year Program

The First Year program is included in all art degree programs. Appropriate placement in the program is made for transfer students who have completed equivalent coursework. The following courses are to be completed before students begin taking courses in the major.

Code	Title	Hours
Required Courses		
ART 101	Signifying Practices: Art and Visual Culture	4
Select five of the following:		20
ART 112	Introduction to Drawing	
ART 130	Introduction to Painting + Color	
ART 140	Introduction to Sculpture	
ART 150	Introduction to New Media Arts	
ART 160	Introduction to Digital Photography	
ART 170	Introduction to Filmmaking	
Total Hours		**24**

General Education and Foundation Courses

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
Analyzing the Natural World course [a,b]		4
Understanding the Past course [a]		3
Select one course in Art History at the 200 level or above from the following:		3
AH 263	Latin American Colonial Art [c]	
AH 264	African American Art [c]	
AH 270	African Art [c]	
AH 271	Native American Art [c]	
AH 273	Visual Culture of the Ancient Andes [c]	
AH 274	Visual Culture of Ancient Mesoamerica [c]	
AH 275	South Asian Visual Cultures [c]	
AH 110	World History of Art and the Built Environment I [d]	4
AH 111	World History of Art and the Built Environment II [d]	4
AH 160	Trends in International Contemporary Art Since 1960	3
AH 201	Reading and Writing Art Criticism	3
Total Hours		**36**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category*

b *Students who select a course worth less than 4 hours from the Analyzing the Natural World list will need to take an additional General Education Core course as part of their electives.*

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

d *This course is approved for the Understanding the Creative Arts General Education category.*

Professional Core (Including the Education Sequence and Art Education Sequence)

Code	Title	Hours
Required Courses [a]		
SPED 410	Exceptional Learners	3
ART 201	Democratic Practices in Art Education	4
ART 210	Understanding Curriculum, Development, and Learning in Art Education	4
ART 310	Visual and Verbal Literacy in Art Education	4
ART 410	Art Education Practicum	4
ART 484	Educational Practicum with Seminar I [b]	6
ART 485	Educational Practicum with Seminar II [b]	6
CI 414	Middle and High School Literacy	3
CI 464	Bilingualism and Literacy in a Second Language	4
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
Total Hours		**48**

a *Students must earn a cumulative 3.00/4.00 in their Education sequence (ED 200, ED 210, ED 425, SPED 410, CI 414, and CI 464) and they must earn a 2.50/4.00 in their Art Education sequence (ART 201, ART 210, ART 310, ART 410) in order to be eligible for student teaching. The GPA for Art Education and for Education are calculated*

ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education course work [a,b]		18
Four semesters of foreign language courses or the equivalent [c]		0-16
Total Hours		**24-40**

a *Two required art history courses are used to fulfill General Education requirements. Students must complete a total of 24 hours of General Education credit with at least one course in each of the six categories: Analyzing the Natural World; Understanding the Individual and Society; Understanding the Past; Understanding the Creative Arts; Exploring World Cultures; and Understanding U.S. Society.*

b *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses within each category.*

c *Knowledge of a foreign language is required, most commonly French, German, Italian, or Spanish, and should usually be attained by the end of the junior year. The requirement may be met by taking four years of high school language courses, two years of college language courses, or by passing a proficiency examination.*

Major Course Requirements

A minimum of 37 semester hours, the major is comprised of the following requirements:

Code	Title	Hours
Required Courses		
Introductory Study		
Select one course from each of the following categories:		6-7
Broad Surveys		
AH 100	Introduction to Art and Art History [a]	
AH 101	The Naked and the Nude: Studies in Visual Literacy [b]	
AH 110	World History of Art and the Built Environment I [a]	
AH 111	World History of Art and the Built Environment II [a]	
Focused Surveys		
AH 122	History of Chicago Architecture [a,c]	
AH 125	Introduction to the Art and Architecture of Asia [a,d]	
AH 130	Photography in History [c]	
AH 160	Trends in International Contemporary Art Since 1960 [a]	
AH 180	Intro to Museum & Exhibition [a,b]	
Methods and Writing in Art History		
AH 301	Theories and Methods in Art History	3
AH 303	Writing in Art History	1
Electives		
Select four electives that satisfy the Distribution and Specialization requirements described below. A maximum of one elective may be at the 100 level. Two must be at the 200 or 300 level.		12
Seminars		
Select a minimum of two 400-level courses that satisfy the Distribution and Specialization requirements described below. Art History Distinction-track students may substitute 500-level courses, but admission is at the discretion of the professor.		6
External Study		
Two external courses are taken at UIC outside of Art History and are required for the major.		6-7
LAS course—One course in the College of Liberal Arts and Sciences, selected in consultation with and approved by the faculty advisor, that addresses the same category used for the student's area of specialization. See Specialization requirement below.		
CADA (Studio) course—One non-Art History course in the College of Architecture, Design, and the Arts, selected in consulation with a faculty advisor, that reflects the student's research interests. See Specialization requirement below.		
Internship, Study Abroad, or Collaborative Research Project with Faculty Member		**3**
All Art History majors must complete one of the following:		
An internship approved and advised by a faculty advisor (AH 483).		
A minimum of one Art History or Museum and Exhibition Studies course at an institution outside of the U.S. approved by a faculty advisor (AH 491).		
A collaborative research project with a faculty member (AH 399). The internship, study abroad, or collaborative research should be consistent with student's specialization area, larger study interests, or prospective career path. See Specialization requirement below.		
Total Hours		**37-39**

a *This course is approved for the Understanding the Creative Arts General Education category.*

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

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

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

Distribution Requirement

Code	Title	Hours
Course Requirements		
All courses offered through the Art History department, except for courses that satisfy the requirements for Broad Surveys (AH 100, AH 101, AH 110, AH 111), Methods and Writing in Art History (AH 301, AH 303), and the optional courses for Graduation with Distinction (AH 492, AH 490), fall under one of the three categories and eleven topical distribution areas listed below, and are devoted at least 50 percent to that area.		
Students should select one course from two different topical distribution areas (A, B, C, or D) in each category (I, II, and III). For example, in Category I, a student may select one course in IA and one in IB, but not two in IA. The Distribution requirement may be met with courses from the Focused Surveys, Electives, and Seminar requirements described above. [a]		

Elective that meets Distribution and Specialization requirement	3
Foreign language	4
General Education Core course	4
Hours	**15**
Spring Semester	
Elective that meets Distribution and Specialization requirement in the major	3
Elective that meets Distribution and Specialization requirement in the major	3
Foreign language	4
General Education Core courses	6
Hours	**16**
Junior Year	
Fall Semester	
Elective that meets Distribution and Specialization requirement in the major	3
Internship, Study Abroad, or Collaborative Research Project	3
Art History 400 level (Seminar requirement)	3
External Study requirement: CADA (Studio) course	4
General Education Core course	3
Hours	**16**
Spring Semester	
Art History 400 level (Seminar requirement)	3
Electives	13
Hours	**16**
Senior Year	
Fall Semester	
External Study requirement: LAS course	3
Electives	12
Hours	**15**
Spring Semester	
Electives	15
Hours	**15**
Total Hours	**120**

BA in Interdisciplinary Education in the Arts

Program Codes:
20FR5669BA

Degree Requirements

To earn a Bachelor of Arts in Interdisciplinary Education in the Arts degree from UIC, students need to complete university, college, and department degree requirements. The degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General Education and Foundation courses		26
General Electives		33-34
Major Core courses		24-28
Major Selectives		12-15
Major Electives		17-24
DLG 120	UIC First-Year Dialogue Seminar [a]	1
Total Hours		**120**

a *Required of new freshman only.*

Code	Title	Hours
General Education and Foundation Courses [a]		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Individual and Society course		3
Analyzing the Natural World course		3-5
Understanding U.S. Society		3
Understanding the Past course		3
Exploring World Cultures course		3
Additional General Education courses		3-5
Total Hours		**26**

a *IDEA 110 is used to fulfill the General Education requirement in the Understanding the Creative Arts category.*

Code	Title	Hours
General Electives		
New first year students must complete at least 33 semester hours of General Electives. All other students will complete 34 hours. [a]		33-34
Total Hours		**33-34**

a *New first year students are expected to take ISA 100 as part of their 33 semester hours.*

Code	Title	Hours
Major Core Courses		
IDEA 110	Creativity and Innovation in Design and Arts [a]	4
IDEA 120	Digital Practices in Design and Arts	4
DES 222	Human Experience in Design	4
IDEA 322	Introduction to Arts-Based Research Methods	4
Select one of the following senior capstone sequences:		8-12
IDEA 410 & 410	Interdisciplinary Capstone for IDEA Majors and Interdisciplinary Capstone for IDEA Majors	
ART 401 & ART 402	Senior Projects: Critique and Senior Projects: Thesis	
DES 420 & DES 421	Professional Practice Project I and Professional Practice Project II	
DES 430 & DES 431	Interdisciplinary Product Development I and Interdisciplinary Product Development II	
DES 440 & DES 441	Design and Identity I and Design and Identity II	
DES 452 & DES 453	Information Aesthetics I and Information Aesthetics II	
Total Hours		**24-28**

Major Electives		4-5
	Hours	**15**
Spring Semester		
IDEA 120	Digital Practices in Design and Arts	4
DES 322	Design Research Methods	4
Major Selective		3-4
Major Electives		4-5
	Hours	**15**
Senior Year		
Fall Semester		
First capstone sequence course selected from the following:		4
ART 401	Senior Projects: Critique	
DES 420	Professional Practice Project I	
DES 430	Interdisciplinary Product Development I	
DES 440	Design and Identity I	
DES 452	Information Aesthetics I	
IDEA 410	Interdisciplinary Capstone for IDEA Majors	
Major Selective		3-4
Major Electives		8-9
	Hours	**15**
Spring Semester		
Second capstone sequence course selected from the following:		4
ART 402	Senior Projects: Thesis	
DES 421	Professional Practice Project II	
DES 431	Interdisciplinary Product Development II	
DES 441	Design and Identity II	
DES 453	Information Aesthetics II	
IDEA 410	Interdisciplinary Capstone for IDEA Majors	
Major Selective		3-4
Major Electives		8-9
	Hours	**15**
	Total Hours	**120**

Minor in Art

Students from other disciplines who wish to minor in Art must complete a minimum of 16 semester hours, distributed as follows. Students must have a minimum GPA of 2.00/4.00. All students must complete a minimum of two 100-level courses along with the corresponding 200-level courses or a 200- and 300-level ART course that corresponds to one of the 100-level courses they completed.

Requirements for the Minor

Code	Title	Hours
Required Courses		
Select two of the following:		8
ART 112	Introduction to Drawing	
ART 130	Introduction to Painting + Color	
ART 140	Introduction to Sculpture	
ART 150	Introduction to New Media Arts	
ART 160	Introduction to Digital Photography	
ART 170	Introduction to Filmmaking	
Select two of the following: [a]		8
ART 212	Topics in Drawing I	
ART 230	Topics in Painting I	
ART 240	Topics in Sculpture I	
ART 250	Topics in New Media Arts: Intermediate	
ART 260	Topics in Digital Photography	
ART 261	Topics in Analog Photography	
ART 270	Topics in Film I	
ART 272	Topics in Video I	
ART 274	Topics in Motion Graphics I	
ART 312	Topics in Drawing II	
ART 330	Topics in Painting II	
ART 340	Topics in Sculpture II	
ART 350	Advanced Topics in New Media Arts	
ART 360	Topics in Photography	
ART 370	Topics in Film II	
ART 372	Topics in Video II	
ART 374	Topics in Motion Graphics II	
Total Hours		**16**

a *Must correspond to one or both of the 100-level courses completed.*

Minor in Art History

A minimum of 17 semester hours in art history courses, of which at least 10 hours must be taken at the University of Illinois Chicago. Students may elect one additional 100-level course to count as an AH elective, excluding AH 100.

Requirements for the Minor

Code	Title	Hours
Required Courses		
AH 110	World History of Art and the Built Environment I	4
AH 111	World History of Art and the Built Environment II	4
AH courses at the 100, 200, 300, or 400 level totaling 9 hours. Only one 100-level course beyond AH 110 and AH 111 applies to the minor.		9
Total Hours		**17**

In cases where requirements for the Art History minor would be fulfilled by courses that are required for the major, at least 3 additional semester hours in Art History must be completed. A minimum grade point average of 2.25/4.00 is required for the minor.

Minor in Museum and Exhibition Studies

Requirements for the Minor

Students who want to minor in Museum and Exhibition Studies (MUSE) must complete a minimum of 15 semester hours distributed as follows.

Code	Title	Hours
Required Courses		
AH 180	Intro to Museum & Exhibition	3
AH 206	Museums and Exhibitions in Motion	3
AH 302	Museum and Exhibition Workshop	3

Electives	22
Total Hours	**120**

General Education and Core Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
AH 110	World History of Art and the Built Environment I [a]	4
AH 111	World History of Art and the Built Environment II [a]	4
Analyzing the Natural World course		4-5
Exploring World Cultures course		3
Understanding the Individual and Society course		3
Understanding the Past course		3
Understanding U.S. Society course		3
One additional General Education course in any category		0-3
Total Hours		**30-32**

a *Course fulfills the general education requirement in Understanding the Creative Arts.*

Pre-Design Studies: Studio Courses

Code	Title	Hours
Required Courses		
DES 140	Design Drawing	4
DES 150	Digital Media Design I	4
DES 160	Design Photography	4
DES 170	Color Theory	4
Total Hours		**16**

Design Course Requirements

Code	Title	Hours
Required Courses		
Foundation Courses		
DES 110	Design Colloquium	1
DES 140	Design Drawing	4
DES 150	Digital Media Design I	4
DES 160	Design Photography	4
DES 170	Color Theory	4
Intermediate Courses		
DES 208	Typography I: Form	4
DES 209	Typography II: Systems	4
DES 222	Human Experience in Design	4
DES 235	History of Design I: 1760-1925	3
DES 236	History of Design II: 1925 to the Present	3
DES 255	Integrative Design Studio I	4
DES 256	Integrative Design Studio II	4
Advanced Courses		
DES 322	Design Research Methods	4
DES 355	Design Seminar	3
DES 357	Integrative Design Studio III	4
DES 358	Integrative Studio Project	4
DES 410	Senior Design Colloquium I	1
DES 411	Senior Design Colloquium II	1
Select one of the year-long professional practice track options:		8
DES 420 & DES 421	Professional Practice Project I and Professional Practice Project II	
DES 430 & DES 431	Interdisciplinary Product Development I and Interdisciplinary Product Development II	
DES 440 & DES 441	Design and Identity I and Design and Identity II	
DES 452 & DES 453	Information Aesthetics I and Information Aesthetics II	
Total Hours		**68**

Electives

Code	Title	Hours
Electives		
Select a minimum of 22 hours to reach a total of 120 semester hours.		22
Total Hours		**22**

Sample Course Schedule—BA in Design Studies

Course	Title	Hours
Freshman Year		
Fall Semester		
DES 110	Design Colloquium	1
DES 140	Design Drawing (Spring or Fall)	4
DES 150	Digital Media Design I (Spring or Fall)	4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Understanding the Individual in Society General Education course		3
	Hours	**15**
Spring Semester		
DES 160	Design Photography (Spring or Fall)	4
DES 170	Color Theory (Spring or Fall)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Past General Education course		3
	Hours	**14**
Sophomore Year		
Fall Semester		
AH 110	World History of Art and the Built Environment I	4
DES 208	Typography I: Form	4
DES 222	Human Experience in Design	4
Analyzing the Natural World General Education course		4
	Hours	**16**
Spring Semester		
AH 111	World History of Art and the Built Environment II	4
DES 209	Typography II: Systems	4
DES 322	Design Research Methods	4
Exploring World Cultures General Education requirement		3
	Hours	**15**

Graphic Design Major Requirements

Code	Title	Hours
Required Courses		
DES 208	Typography I: Form	4
DES 209	Typography II: Systems	4
DES 220	Form and Image Studio	4
DES 250	Digital Media Design II	4
DES 251	Digital Media Design III: Motion Design	4
DES 308	Typography III: Expression	4
DES 309	Typography IV: Advanced Topics	4
DES 350	Digital Media Design IV: Advanced Topics	4
DES 410	Senior Design Colloquium I	1
DES 411	Senior Design Colloquium II	1
DES 480	Graphic Design Thesis I	4
DES 481	Graphic Design Thesis II	4
Select two of the following courses:		8
DES 420 & DES 421	Professional Practice Project I and Professional Practice Project II	
DES 430 & DES 431	Interdisciplinary Product Development I and Interdisciplinary Product Development II	
DES 440 & DES 441	Design and Identity I and Design and Identity II	
DES 452 & DES 453	Information Aesthetics I and Information Aesthetics II	
DES Elective		
DES 450	Advanced Topics in Design	3
or CS 426	Video Game Design and Development	
Art History Requirement for the Major:		
DES 235	History of Design I: 1760-1925	3
DES 236	History of Design II: 1925 to the Present	3
Total Hours		**59**

Electives Outside the School of Design

Code	Title	Hours
Electives		
Electives outside the School of Design [a]		13-14
Total Hours		**13-14**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 13 hours of electives for the BDes in Graphic Design. All other students complete 14 hours of electives for the BDes in Graphic Design.*

UIC First Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
Total Hours		**1**

Sample Course Schedule—Graphic Design

Course	Title	Hours
Freshman Year		
Fall Semester		
DES 110	Design Colloquium	1
DES 120	2D Form Studio (S or F)	4
DES 130	3D Form Studio (S or F)	4
DES 160	Design Photography (S or F)	4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
	Hours	**16**
Spring Semester		
DES 140	Design Drawing (S or F)	4
DES 150	Digital Media Design I (S or F)	4
DES 170	Color Theory (S or F)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
	Hours	**15-16**
Sophomore Year		
Fall Semester		
AH 110	World History of Art and the Built Environment I	4
DES 208	Typography I: Form	4
DES 250	Digital Media Design II	4
DES 220	Form and Image Studio	4
	Hours	**16**
Spring Semester		
AH 111	World History of Art and the Built Environment II	4
DES 209	Typography II: Systems	4
DES 251	Digital Media Design III: Motion Design	4
Understanding the Individual and Society course		3
General Elective		3
	Hours	**18**
Junior Year		
Fall Semester		
DES 235	History of Design I: 1760-1925	3
DES 308	Typography III: Expression	4
DES 350	Digital Media Design IV: Advanced Topics	4
General Elective		4
Understanding the Past course		3
	Hours	**18**
Spring Semester		
DES 236	History of Design II: 1925 to the Present	3
DES 309	Typography IV: Advanced Topics	4
DES Elective		3
Analyzing the Natural World course		4
General Elective		3
	Hours	**17**
Senior Year		
Fall Semester		
DES 480	Graphic Design Thesis I	4
Professional Practice Track		
Select one of the following:		4
DES 420	Professional Practice Project I	
DES 430	Interdisciplinary Product Development I	
DES 440	Design and Identity I	
DES 452	Information Aesthetics I	
General Elective		4

DES 440 & DES 441	Design and Identity I and Design and Identity II	
DES 452 & DES 453	Information Aesthetics I and Information Aesthetics II	
DES Elective		
DES 450	Advanced Topics in Design	3
or CS 426	Video Game Design and Development	
Art History Requirement for the Major		
DES 235	History of Design I: 1760-1925	3
DES 236	History of Design II: 1925 to the Present	3
Total Hours		**63**

Electives Outside of the School of Design

Code	Title	Hours
Electives		
Electives outside the School of Design		13-14
Total Hours		**13-14**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 13 hours of electives for the BDes in Industrial Design. All other students complete 14 hours of electives for the BDes in Industrial Design.*

UIC First Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
Total Hours		**1**

Sample Course Schedule

Course	Title	Hours
Freshman Year		
Fall Semester		
DES 110	Design Colloquium	1
DES 120	2D Form Studio (S or F)	4
DES 130	3D Form Studio (S or F)	4
DES 160	Design Photography (S or F)	4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
	Hours	**16**
Spring Semester		
DES 140	Design Drawing (S or F)	4
DES 150	Digital Media Design I (S or F)	4
DES 170	Color Theory (S or F)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
	Hours	**15-16**
Sophomore Year		
Fall Semester		
AH 110	World History of Art and the Built Environment I	4
DES 230	Industrial Design II	4
DES 222	Human Experience in Design	4
DES 240	Visualization I	4
	Hours	**16**
Spring Semester		
AH 111	World History of Art and the Built Environment II	4
DES 231	Industrial Design III	4
DES 241	Visualization II	4
Understanding the Individual and Society course		3
Elective		3
	Hours	**18**
Junior Year		
Fall Semester		
DES 235	History of Design I: 1760-1925	3
DES 330	Industrial Design IV	4
DES 326	Materials and Methods	4
General Elective		3
Analyzing the Natural World		4
	Hours	**18**
Spring Semester		
DES 236	History of Design II: 1925 to the Present	3
DES 331	Industrial Design V	4
DES 322	Design Research Methods	4
DES Elective		3
Understanding the Past course		3
	Hours	**17**
Senior Year		
Fall Semester		
DES 470	Industrial Design Thesis I	4
Professional Practice Track		
Select one of the following:		4
DES 420	Professional Practice Project I	
DES 430	Interdisciplinary Product Development I	
DES 440	Design and Identity I	
DES 452	Information Aesthetics I	
Exploring World Cultures course		3
General Elective		4
	Hours	**15**
Spring Semester		
DES 410	Senior Design Colloquium I	1
DES 411	Senior Design Colloquium II	1
DES 471	Industrial Design Thesis II	4
Professional Practice Track		
Select one of the following:		4
DES 421	Professional Practice Project II	
DES 431	Interdisciplinary Product Development II	
DES 441	Design and Identity II	
DES 453	Information Aesthetics II	
Understanding U.S. Society course		3
General Elective		4
	Hours	**17**
	Total Hours	**132**

School of Theatre and Music

Contact Information:
Campus Location: Education, Theatre, Music, and Social Work Building (ETMSW), 1040 West Harrison Street
Main Office: L260
(312) 996-2977
theatreandmusic.uic.edu

Administration:
Director, Christine Mary Dunford
Head of Theatre, Yasen Peyankov

DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only) [a]	1
Total Hours		**120**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 31–43 hours of electives for the BA in Music. All other students complete 32–44 hours of electives for the BA in Music.*

General Education Requirements

Code	Title	Hours
Required Courses [a]		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Analyzing the Natural World course [b]		3-5
Understanding the Individual and Society course [b]		3
Understanding the Past course [b]		3
Understanding U.S. Society course [b]		3
Additional General Education Core courses from any category [b,c]		4-6
Total Hours		**24**

a *The Understanding the Creative Arts and Exploring World Cultures General Education requirements are met by courses within the major.*

b *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

c *Students take two additional courses from any General Education category for a total of 4-6 hours to reach the required 24 hours in the General Education core.*

Major Course Requirements

For the BA in Music, 52–64 semester hours distributed as follows:

Code	Title	Hours
Required Courses		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Ear Training I	1
MUS 104	Ear Training II	1
MUS 110	Convocation/Recital [a]	0
MUS 111	Master Class in Performance [b]	0
MUS 170	Keyboard Skills I	2
MUS 171	Keyboard Skills II	2
MUS 201	Theory of Music III	3
MUS 202	Theory of Music IV	3
MUS 203	Ear Training III	1
MUS 204	Ear Training IV	1
MUS 223	Music Technology	3
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
MUS 232	History of Western Music III: Music from Romanticism through the Present	3
MUS 227	Music Cultures of the World [c,d]	3
MUS 301	Analytic Techniques	3
Select one music elective from the following:		3
MUS 113	Art Song [c]	
MUS 114	Jazz History [c,e]	
MUS 115	Opera [c]	
MUS 117	Music for Symphony Orchestra [c]	
MUS 118	American Popular Music since 1850 [c,e]	
MUS 119	Music for the Piano [c]	
MUS 127	Latin American Music [c,d]	
MUS 240	Music, Gender and Culture [c,f]	
Select one music elective from the following:		3
MUS 300	Counterpoint	
MUS 302	Composing for Small Ensembles	
MUS 303	Composing for Large Ensembles	
MUS 304	Conducting	
MUS 306	Orchestration and Arranging I	
MUS 307	Orchestration and Arranging II	
MUS 312	Jazz Arranging I	
MUS 330	Advanced Topics in Music History and Ethnomusicology	
Ensemble Requirement: BA students must be enrolled in at least one ensemble for every term in which they are a major. Select from the following: [g]		4-8
MUS 150	Vocal Jazz Ensemble	
MUS 151	Concert Band	
MUS 152	Instrumental Ensembles	
MUS 153	University Choir	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 160	Small Jazz Ensemble	
BA students must complete four terms of private study (30 minutes per week). Select 4 hours from the following: [g]		4
MUS 181	Private Instrumental Lessons-30 Minutes	
MUS 183	Private Vocal Lessons-30 Minutes	
Foreign language [i]		0-8
Total Hours		**52-64**

a *Students must register for MUS 110 for four terms.*

b *Students must register for MUS 111 for four terms concurrent with enrollment in private instrumental/voice lessons.*

c *This course is approved for the Understanding the Creative Arts General Education category.*

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

e *This course is approved for the Understanding the Past General Education category. Students who apply MUS 114 to the Understanding the Past category need to fulfill the Understanding the Creative Arts category with another course.*

f *This course is approved for the Understanding the Individual and Society category. Students who apply MUS 240 to the Understanding*

General Education Core course		3
Ensemble [a]		1
MUS 227	Music Cultures of the World	3
Electives		2
	Hours	**15**
Spring Semester		
General Education Core course		4
Ensemble [a]		1
Electives		10
	Hours	**15**
	Total Hours	**120**

a *Select one of the following: MUS 150, MUS 151, MUS 152, MUS 153, MUS 154, MUS 155, MUS 157, MUS 159, MUS 160.*

BA in Music Business

Program Codes:
20FR5484BA

Degree Requirements

To earn a Bachelor of Arts in Music Business degree from UIC, students need to complete university, college, and school degree requirements. The School of Theatre & Music degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		24
Music Course Requirements		56-62
Music Selectives		8
Business Course Requirements		18-21
Electives		4-14
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
Total Hours		**120**

Additional jury requirement: One 20-minute accompanied performance before at least three faculty at the end of the fourth term of MUS 181 or MUS 183.

General and Basic Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 125	Elementary Linear Algebra [a]	5
ECON 120	Principles of Microeconomics [b]	4
or ECON 121	Principles of Macroeconomics	
Understanding the Past course		3
Understanding the Individual and Society or Understanding U.S. Society course		3
Select an additional General Education course from any category.		3
Total Hours		**24**

a *MATH 125 fulfills the GE requirement in Analyzing the Natural World. May substitute a course in finite mathematics.*

b *ECON 120 and ECON 121 fulfill the GE requirement in the Understanding the Individual and Society category or the Understanding U.S. Society category.*

Note: Two required music courses are used to fulfill the General Education requirements in the Understanding the Creative Arts (3 hours) and Exploring World Cultures (3 hours) categories. See Music Course Requirements and Music Selectives below.

Music Course Requirements

Code	Title	Hours
Required Courses		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 201	Theory of Music III	3
MUS 202	Theory of Music IV	3
MUS 103	Ear Training I	1
MUS 104	Ear Training II	1
MUS 203	Ear Training III	1
MUS 204	Ear Training IV	1
MUS 110	Convocation/Recital (four terms)	0
MUS 111	Master Class in Performance (two terms)	0
MUS 118	American Popular Music since 1850 [a]	3
MUS 170	Keyboard Skills I	2
MUS 171	Keyboard Skills II	2
MUS 191	Commercial and Legal Foundations of the Music Industry	3
MUS 223	Music Technology	3
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
MUS 232	History of Western Music III: Music from Romanticism through the Present	3
MUS 227	Music Cultures of the World [b]	3
MUS 390	Record Company Marketing and Operations	3
MUS 396	Music Publishing	3
MUS 397	Concert Promotion and Venue Management	3
6-12 semester hours of the following course:		6-12
MUS 395	Internship in Music Business	
Total Hours		**56-62**

b *Fulfills the General Education requirement in the Exploring World Cultures category.*

General Education course		3
	Hours	**16**
Spring Semester		
MUS 232	History of Western Music III: Music from Romanticism through the Present	3
MUS 396	Music Publishing	3
Ensemble [a]		1
General Education course		3
Business Elective [b]		3-4
	Hours	**13-14**
Fourth Year		
Fall Semester		
MUS 227	Music Cultures of the World	3
Electives		6
Business Electives [b]		6-8
	Hours	**15-17**
Spring Semester		
6-12 hours in the following course		6-12
MUS 395	Internship in Music Business	
MUS 397	Concert Promotion and Venue Management	3
Elective		3
	Hours	**12-18**
	Total Hours	**120**

a *Select one course from the following: MUS 150, MUS 151, MUS 152, MUS 153, MUS 154, MUS 155, MUS 157, MUS 159, MUS 160.*

b *Select one course from the following departments/programs in consultation with the Coordinator of Music Business: Accounting, Finance, Information and Decision Sciences, Entrepreneurship, Management, and Marketing.*

BMus in Performance

Program Codes:
20FR5449BMUS

Degree Requirements—Bachelor of Music in Performance

To earn a Bachelor of Music in Performance degree from UIC, students need to complete university, college, and school degree requirements. An audition is also required to enter the major. The School of Theatre & Music degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section of the Undergraduate Catalog for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General Education Requirements		24
Major Course Requirements		77-79
Electives		16-19
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only) [a]	1
Total Hours		**120**

a *New freshmen are required to complete DLG 120 for one hour. These students will complete 16–19 hours of electives for the BMus in Performance. All other students complete 17–19 hours of electives for the BMus in Performance.*

General Education Requirements

Code	Title	Hours
Required Courses [a]		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Analyzing the Natural World course [b]		3-5
Understanding the Individual and Society course [b]		3
Understanding the Past course [b]		3
Understanding U.S. Society course [b]		3
Additional General Education Core courses from any category [b,c]		4-6
Total Hours		**24**

a *The Understanding the Creative Arts and Exploring World Cultures General Education requirements are met by courses within the major.*

b *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

c *Students take two additional courses from any General Education category for a total of 4-6 hours to reach the required 24 hours in the General Education core.*

Course Requirements

For the Performance Major, 77–79 semester hours distributed as follows:

Code	Title	Hours
Required Courses		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Ear Training I	1
MUS 104	Ear Training II	1
MUS 110	Convocation/Recital [a]	0
MUS 201	Theory of Music III	3
MUS 202	Theory of Music IV	3
MUS 203	Ear Training III	1
MUS 204	Ear Training IV	1
MUS 170	Keyboard Skills I	2
MUS 171	Keyboard Skills II	2
MUS 270	Keyboard Skills III	2
MUS 271	Keyboard Skills IV	2
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
MUS 232	History of Western Music III: Music from Romanticism through the Present	3
MUS 300	Counterpoint	3
MUS 301	Analytic Techniques	3
MUS 111	Master Class in Performance [b]	0
MUS 223	Music Technology	3

MUS 104	Ear Training II	1
MUS 110	Convocation/Recital	0
Ensemble		
Select one of the following:		1
MUS 151	Concert Band	
MUS 153	University Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 171	Keyboard Skills II	2
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education Core course		3
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
	Hours	**15-16**
Sophomore Year		
Fall Semester		
MUS 180	Private Instrumental Lessons	2
MUS 110	Convocation/Recital	0
Ensemble		
Select one of the following:		1
MUS 151	Concert Band	
MUS 153	University Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 201	Theory of Music III	3
MUS 203	Ear Training III	1
MUS 270	Keyboard Skills III	2
MUS 223	Music Technology	3
General Education Core course		5
	Hours	**17**
Spring Semester		
MUS 180	Private Instrumental Lessons	2
MUS 110	Convocation/Recital	0
MUS 202	Theory of Music IV	3
MUS 204	Ear Training IV	1
MUS 271	Keyboard Skills IV	2
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
Ensemble		
Select one of the following:		1
MUS 151	Concert Band	
MUS 153	University Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
Elective		3
	Hours	**15**
Junior Year		
Fall Semester		
MUS 111	Master Class in Performance	0
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
MUS 300	Counterpoint	3
Select one of the following:		3
MUS 113	Art Song	
MUS 114	Jazz History	
MUS 115	Opera	
MUS 117	Music for Symphony Orchestra	
MUS 119	Music for the Piano	
MUS 240	Music, Gender and Culture	
Ensemble		
Select one of the following:		1
MUS 152	Instrumental Ensembles	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 160	Small Jazz Ensemble	
Composition, Conducting, or Orchestration		
Select one of the following:		3
MUS 302	Composing for Small Ensembles	
MUS 303	Composing for Large Ensembles	
MUS 304	Conducting	
MUS 306	Orchestration and Arranging I	
MUS 307	Orchestration and Arranging II	
MUS 330	Advanced Topics in Music History and Ethnomusicology	
Elective		3
	Hours	**16**
Spring Semester		
MUS 111	Master Class in Performance	0
MUS 232	History of Western Music III: Music from Romanticism through the Present	3
MUS 301	Analytic Techniques	3
Ensemble		
Select one of the following:		1
MUS 152	Instrumental Ensembles	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 160	Small Jazz Ensemble	
One additional course chosen from Composition, Conducting, or Orchestration		3
Electives		4
	Hours	**14**
Senior Year		
Fall Semester		
MUS 111	Master Class in Performance	0
MUS 280	Advanced Private Instrumental Lessons	3
Ensemble		
Select one of the following:		1
MUS 151	Concert Band	
MUS 152	Instrumental Ensembles	
MUS 153	University Choir	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 160	Small Jazz Ensemble	
General Education Core course		3
General Education Core course		4
MUS 227	Music Cultures of the World	3
Elective		1
	Hours	**15**
Spring Semester		
MUS 111	Master Class in Performance	0
MUS 280	Advanced Private Instrumental Lessons	3
Ensemble		
Select one of the following:		1
MUS 151	Concert Band	
MUS 152	Instrumental Ensembles	
MUS 153	University Choir	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 160	Small Jazz Ensemble	
Select one of the following:		3
MUS 113	Art Song	

Select 12 hours of the following:		12
MUS 180	Private Instrumental Lessons [e]	
MUS 182	Private Voice Lessons [e]	
Select 6 hours of the following:		6
MUS 280	Advanced Private Instrumental Lessons [f]	
MUS 282	Advanced Private Voice Lessons [f]	
Total Hours		**92-94**

a *Students must register for MUS 110 for four terms.*
b *This course is approved for the Understanding the Creative Arts General Education category.*
c *This course is approved for the Exploring World Cultures General Education category.*
d *Students must register for MUS 111 for four terms and perform in one master class in two of those terms.*
e *Students must register for MUS 180 or MUS 182 for at least six terms. Both courses require juries or half-recitals; a minimum grade of B is required to remain in the major.*
f *Students must register for MUS 280 or MUS 282 for two terms. Both courses require one jury and one full recital. A minimum grade of B in the first term is required to remain in the major.*
g *MUS 150 is required for singers; MUS 159 is required for instrumentalists. Students must enroll for a total of 6 hours in a combination of MUS 150/ MUS 160 (for singers) or MUS 159/ MUS 160 (for instrumentalists). A minimum of two hours is required in any one of these courses.*
h *This course is approved for the Understanding the Past General Education category. Students who apply MUS 114 to the Understanding the Past category need to fulfill the Understanding the Creative Arts category with another course.*
i *Total ensemble hour requirement will be determined by the number of semesters enrolled in the major.*

Electives

Code	Title	Hours
Electives		
Electives to reach total hours		1-4
Total Hours		**1-4**

UIC First-Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar	1
Total Hours		**1**

Sample Course Schedule—Bachelor of Music in Jazz Studies

Course	Title	Hours
Freshman Year		
Fall Semester		
MUS 101	Music Theory I	3
MUS 103	Ear Training I	1
MUS 110	Convocation/Recital	0
MUS 170	Keyboard Skills I	2
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
MUS 160	Small Jazz Ensemble	1
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MUS 108	Jazz Fundamentals I	3
	Hours	**15**
Spring Semester		
MUS 102	Music Theory II	3
MUS 104	Ear Training II	1
MUS 110	Convocation/Recital	0
MUS 160	Small Jazz Ensemble	1
MUS 171	Keyboard Skills II	2
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar	1
MUS 109	Jazz Fundamentals II	3
	Hours	**16**
Sophomore Year		
Fall Semester		
MUS 120	Jazz Improvisation I	3
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
MUS 110	Convocation/Recital	0
MUS 150 or MUS 159	Vocal Jazz Ensemble or Jazz Ensemble	1
MUS 201	Theory of Music III	3
MUS 203	Ear Training III	1
General Education Core course		5
	Hours	**15**
Spring Semester		
MUS 221	Jazz Improvisation II	3
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
MUS 110	Convocation/Recital	0
MUS 202	Theory of Music IV	3
MUS 204	Ear Training IV	1
MUS 223	Music Technology	3
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
MUS 150 or MUS 159	Vocal Jazz Ensemble or Jazz Ensemble	1
	Hours	**16**
Junior Year		
Fall Semester		
MUS 111	Master Class in Performance	0
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
MUS 312	Jazz Arranging I	3
MUS 310	Jazz Theory and Keyboard I	3
General Education Core course		3
Select one of the following:		1
MUS 150	Vocal Jazz Ensemble	
MUS 159	Jazz Ensemble	
MUS 160	Small Jazz Ensemble	
	Hours	**15**
Spring Semester		
MUS 111	Master Class in Performance	0
MUS 180 or MUS 182	Private Instrumental Lessons or Private Voice Lessons	2
MUS 311	Jazz Theory and Keyboard II	3

Analyzing the Natural World course [b]	
Exploring World Cultures course [b]	
Understanding the Creative Arts course [b]	
Understanding the Individual and Society course [b]	
Understanding the Past course [b]	
Understanding U.S. Society course [b]	
Total Hours	**24**

a *Courses in the major field that are approved for General Education are BLST 262, MUS 114, MUS 118, MUS 127, MUS 227, MUS 240 and ED 100.*

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

Major Requirements

Code	Title	Hours
Music Education Core (10 hours)		
MUS 324	Music Teaching in Ensemble Settings	3
MUS 325	Participatory and Digital Music Practices (9-12)	3
MUS 326	Teaching Music to Children (P/K-8)	4
Music Education Selectives		
Selective A: Select five of the following:		5
MUS 161	Teaching and Learning Brass	
MUS 162	Teaching and Learning Jazz	
MUS 163	Teaching and Learning Percussion	
MUS 164	Teaching Popular Music	
MUS 165	Teaching and Learning Strings	
MUS 166	Teaching and Learning Voice	
MUS 167	Teaching and Learning Woodwinds	
MUS 168	Banda, Mariachi, & Salsa	
Selective B: Select one of the following:		2
MUS 340	Choral Music Methods and Materials	
MUS 341	Instrumental Music Methods and Materials	
Music History Selectives		
Selective A: Select two of the following:		6
BLST 262	Black Cultural Studies [a,b]	
MUS 114	Jazz History [a,c]	
MUS 118	American Popular Music since 1850 [a,c]	
MUS 127	Latin American Music [a,d]	
MUS 227	Music Cultures of the World [a,d]	
MUS 240	Music, Gender and Culture [a,e]	
Selective B: Select one of the following:		3
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	
MUS 232	History of Western Music III: Music from Romanticism through the Present	
Music Core (47 hours)		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Ear Training I	1
MUS 104	Ear Training II	1
Ensemble: Primary Area - Select one Ensemble course from the list below (7 semesters)		7
Ensemble: Secondary Area - Select a second Ensemble course from the list below (1 semester)		1
Ensemble Courses:		
MUS 150	Vocal Jazz Ensemble	
MUS 151	Concert Band	
MUS 153	University Choir	
MUS 154	Chamber Choir	
MUS 155	Treble Choir	
MUS 157	University Orchestras	
MUS 159	Jazz Ensemble	
MUS 160	Small Jazz Ensemble	
MUS 152	Instrumental Ensembles (2 semesters)	2
MUS 170	Keyboard Skills I	2
MUS 180	Private Instrumental Lessons (primary instrument; 7 semesters)	14
MUS 180	Private Instrumental Lessons (secondary instrument; 1 semester)	2
MUS 201	Theory of Music III	3
MUS 202	Theory of Music IV	3
MUS 203	Ear Training III	1
MUS 204	Ear Training IV	1
MUS 304	Conducting	3
Professional Education (24 hours)		
ED 100	Introduction to Urban Education [b,e]	3
EPSY 255	Child Development in Contemporary Society	3
MUS 350	Music Classrooms for All Learners	3
MUS 351	Assessment in Music Classrooms	3
MUS 465	Developing Multiple Languages and Music Literacies	4
MUS 466	Student Teaching (K-8) with Seminar 1	4
MUS 467	Student Teaching (9-12) with Seminar 2	4
Total Hours		**97**

a *This course is approved for the Understanding the Creative Arts General Education category.*

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

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

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

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

Sample Course Schedule

Course	Title	Hours
First Year		
Fall Semester		
Ensemble: Primary Area (1 of 7) - MUS 150, MUS 151, MUS 153, MUS 154, MUS 155, MUS 157, MUS 159, or MUS 160		1
MUS 180	Private Instrumental Lessons (1 of 7)	2
MUS 101	Music Theory I	3
MUS 103	Ear Training I	1

General Education Requirements

Code	Title	Hours
Required Courses [a]		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [b]		3
Analyzing the Natural World course [b]		3-5
Understanding the Individual and Society course [b]		3
Understanding U.S. Society course [b]		3
Additional General Education Core courses from any category [b]		4-6
Total Hours		**24**

a *The Understanding the Past and Understanding the Creative Arts General Education requirements are met by courses within the degree.*

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

Theatre and Performance Degree and Track Course Requirements

Code	Title	Hours
Required Courses		
Students in all tracks complete 20 hours of degree core course work:		
THTR 101	Theatre History I: Premodern Drama [a]	3
THTR 141	Acting I: Fundamentals	3
THTR 182	Practicum in Theater: Run Crew	1
THTR 183	Practicum in Theater: Build Crew	1
THTR 201	Theatre History II: Modern Theatre [b]	3
THTR 217	Movement & Voice I	3
THTR 230	Script Analysis for Theatrical Production	3
THTR 448	The Business of Theatre: A Career in the Arts	3
Required Courses by Track (hours vary by track)		**3-12**
General Track—Required Courses		
THTR 241	Acting II: Scene Study	
Performance Track—Required Courses		
THTR 241	Acting II: Scene Study	
THTR 317	Movement & Voice II	
THTR 341	Acting III: Classics	
THTR 449	Capstone: Senior Project	
Authorship Track—Required Courses		
THTR 449	Capstone: Senior Project	
Selectives (hours vary by track)		**12-18**
All tracks select one of the following three Design, Production, and Technology sequences:		
THTR 150	Fundamental of Theatre Technology	
THTR 151	Costume Technology I: Introduction to Costume Technology	
or THTR 152	Lighting Technology I: An Introduction to Lighting Tech	
or THTR 153	Scenic Technology I: An Introduction to Stagecraft for the Theatre	
OR		
THTR 155	Fundamentals of Theatre Design [b]	
THTR 156	Lighting Design I: An Introduction to Lighting Design	
or THTR 158	Costume Design I	
or THTR 170	Sound Design: An Introduction to Sound Design for Theatre	
or THTR 250	Scenic Design I	
or THTR 259	Makeup Design	
OR		
THTR 150	Fundamental of Theatre Technology	
THTR 155	Fundamentals of Theatre Design	
Authorship Selectives:		
General and Performance Tracks—Select two courses from the following list.		
Authorship Track—Select four courses from the following list.		
THTR 240	Improvisation for the Actor	
THTR 331	Page to Stage: Adaptation of Text for Theatrical Performance	
THTR 332	Performance Ethnography	
THTR 333	Stage Direction	
THTR 431	Playwriting	
THTR 435	Contemporary Performance Techniques	
Total Hours		**35-44**

a *This course is approved for the Understanding the Past General Education category or the Understanding the Creative Arts General Education category.*

b *This course is approved for the Understanding the Creative Arts General Education category.*

Electives

Code	Title	Hours
Electives		
Electives to reach total hours [a]		51-61
Total Hours		**51-61**

a *Hours of electives are based on the track selected by the students within the BA in Theatre and Performance, and whether they are required to complete DLG 120 for 1 hour (required of new freshmen only).*

UIC First-Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
Total Hours		**1**

Elective (consider a practicum)		2
Elective		3
*Consider Study Abroad		
	Hours	**15**
Spring Semester		
THTR 341	Acting III: Classics	3
Elective (consider THTR 299 or THTR 388)		3
Elective		3
Elective		3
Elective		3
*Consider Study Abroad		
	Hours	**15**
Fourth Year		
Fall Semester		
Elective (consider THTR 384, THTR 498, or THTR 494)		3
Elective (consider a practicum)		2
Elective		3
Elective		3
Elective		3
*Consider Study Abroad		
	Hours	**14**
Spring Semester		
THTR 448	The Business of Theatre: A Career in the Arts	3
THTR 449	Capstone: Senior Project	3
Elective (consider THTR 385, THTR 498, or THTR 494)		3
Elective (consider a third Authorship course)		3
Elective (consider a third Design, Production, and Technology course)		3
	Hours	**15**
	Total Hours	**120**

Sample Course Schedule—Authorship Track

Semesters in which required courses are offered may vary from those listed below.

Course	Title	Hours
First Year		
Fall Semester		
THTR 101	Theatre History I: Premodern Drama	3
THTR 141	Acting I: Fundamentals	3
THTR 182	Practicum in Theater: Run Crew	1
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ISA 100	Freshman Seminar: Introduction to Interdisciplinary Practice in the Arts	1
General Education course		3
	Hours	**14**
Spring Semester		
Design, Production, and Technology Selective 1 (THTR 150 or THTR 155)		3
THTR 217	Movement & Voice I	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar	1
General Education course		3
General Education course		3
	Hours	**16**
Second Year		
Fall Semester		
THTR 183	Practicum in Theater: Build Crew	1
THTR 201	Theatre History II: Modern Theatre	3
THTR 230	Script Analysis for Theatrical Production	3
Authorship Selective 1 (THTR 240 recommended)		3
Elective (consider THTR 254)		3
Elective		3
	Hours	**16**
Spring Semester		
Design, Production, and Technology Selective 2 (see list above)		3
General Education course		3
General Education course		3
Elective (consider a practicum)		3
Elective (consider THTR 103 or THTR 105)		3
	Hours	**15**
Third Year		
Fall Semester		
Authorship Selective 2 (see list above)		3
General Education course		3
Elective (consider MUS 190)		1
Elective (consider a practicum)		2
Elective		3
Elective		3
*Consider Study Abroad		
	Hours	**15**
Spring Semester		
Authorship Selective 3 (see list above)		3
Authorship Selective 4 (see list above)		3
Elective (consider THTR 299 or THTR 388)		3
Elective		3
Elective		3
	Hours	**15**
Fourth Year		
Fall Semester		
Elective (consider THTR 384, THTR 498, or THTR 494)		3
Elective (consider a practicum)		2
Elective		3
Elective		3
Elective		3
*Consider Study Abroad		
	Hours	**14**
Spring Semester		
THTR 448	The Business of Theatre: A Career in the Arts	3
THTR 449	Capstone: Senior Project	3
Elective (consider THTR 385, THTR 498, or THTR 494)		3
Elective (consider a third Design, Production, and Technology course)		3
Elective		3
	Hours	**15**
	Total Hours	**120**

BA in Theatre Design, Production, and Technology

Program Codes:
20FR5428BA

Degree Requirements—BA in Theatre Design, Production, and Technology

To earn a Bachelor of Arts in Theatre Design, Production, and Technology from UIC, students need to complete university, college, and school degree requirements. The School of Theatre & Music degree requirements are outlined below. Students should consult the College of Architecture, Design, and the Arts (p. 129) section for additional degree requirements and college academic policies. Admission to the BA in

THTR 435	Contemporary Performance Techniques	
Total Hours		**50**

a *This course is approved for the Understanding the Past General Education category or the Understanding the Creative Arts General Education category.*

b *This course is approved for the Understanding the Creative Arts General Education category.*

Electives

Code	Title	Hours
Electives		
Electives to reach total hours [a]		45-46
Total Hours		**45-46**

a *New freshmen are required to complete DLG 120 for one hour. New freshmen complete 45 hours of electives for the BA in Theatre Design, Production, and Technology. All other students complete 46 hours of electives for the BA in Theatre Design, Production, and Technology.*

UIC First-Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
Total Hours		**1**

Sample Course Schedule—BA in Theatre Design, Production, and Technology

Semesters in which required courses are offered may vary from those listed below.

Course	Title	Hours
First Year		
Fall Semester		
THTR 101	Theatre History I: Premodern Drama	3
THTR 150	Fundamental of Theatre Technology	3
THTR 182	Practicum in Theater: Run Crew	1
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ISA 100	Freshman Seminar: Introduction to Interdisciplinary Practice in the Arts (recommended elective)	1
General Eduction Exploring World Cultures course		3
	Hours	**14**
Spring Semester		
THTR 154	Drawing and Digital Design for the Theatre	3
THTR 155	Fundamentals of Theatre Design [a]	3
THTR 183	Practicum in Theater: Build Crew	1
THTR 230	Script Analysis for Theatrical Production	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar	1
	Hours	**14**
Second Year		
Fall Semester		
AH 111	World History of Art and the Built Environment II	4
THTR 141	Acting I: Fundamentals	3
THTR 157	Drafting for the Theatre	3
THTR 201	Theatre History II: Modern Theatre	3
THTR 254	Stage Management	3
DPT Selective course I		3
	Hours	**19**
Spring Semester		
DPT Selective course II		3
Select one of the following practicum courses:		2
THTR 281	Practicum in Theatre Administration	
THTR 282	Practicum in Costuming	
THTR 283	Practicum in Technical Theatre	
Elective		3
General Education Analyzing the Natural World course		3
General Education Understanding the Individual and Society course		3
	Hours	**14**
Third Year		
Fall Semester		
DPT Selective course III		3
Elective - DPT course recommended		3
Elective - DPT course recommended		3
General Education Understanding U.S. Society course		3
General Education course		3
	Hours	**15**
Spring Semester		
One of the following selective:		3
THTR 333	Stage Direction	
THTR 431	Playwriting	
THTR 435	Contemporary Performance Techniques	
Elective		3
Elective		3
Elective		3
General Education course		3
	Hours	**15**
Fourth Year		
Fall Semester		
THTR 450	Portfolio Production	3
Elective (DPT course recommended)		3
Elective (THTR 383 recommended)		3
Elective (THTR 384 recommended)		3
Elective		3
	Hours	**15**
Spring Semester		
Elective (THTR 383 recommended)		3
Elective (THTR 385 recommended)		3
Elective (THTR 494 or THTR 498 recommended)		3
Electives		5
	Hours	**14**
	Total Hours	**120**

a *This course is only offered in the spring semester.*

BFA in Acting

Program Codes:
20FR5452BFA

Degree Requirements

The BFA in Acting combines the conservatory-style study of acting with the study of dramatic texts in their theatrical and cultural contexts. To earn a Bachelor of Fine Arts in Acting from UIC, students need to complete university, college, and school degree requirements. The

Electives

Code	Title	Hours
Electives		
Electives to reach total hours [a]		12-13
Total Hours		**12-13**

a *New freshmen are required to complete DLG 120 for one hour. New freshmen complete 12 hours of electives for the BFA in Acting. All other students complete 13 hours of electives for the BFA in Acting.*

UIC First-Year Dialogue Seminar

Code	Title	Hours
Required Course		
DLG 120	UIC First-Year Dialogue Seminar	1
Total Hours		**1**

Sample Course Schedule

Semesters in which required courses are offered may vary from those listed below.

Course	Title	Hours
Freshman Year		
Fall Semester		
THTR 101	Theatre History I: Premodern Drama	3
THTR 111	Movement I: Body/Self	3
THTR 121	Introduction to Acting I	3
THTR 182	Practicum in Theater: Run Crew	1
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
General Education Core course		3
	Hours	**16**
Spring Semester		
THTR 150 or THTR 155	Fundamental of Theatre Technology or Fundamentals of Theatre Design	3
THTR 122	Acting II: Adaptations	3
THTR 162	Voice I: Voice	3
THTR 230	Script Analysis for Theatrical Production	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
DLG 120	UIC First-Year Dialogue Seminar (Required of new freshmen only)	1
	Hours	**15-16**
Sophomore Year		
Fall Semester		
THTR 183	Practicum in Theater: Build Crew	1
THTR 221	Advanced Acting: American Drama	3
THTR 261	Voice II: Speech	3
THTR 211	Movement II: Body/Space	3
General Education Core course		3
Elective		2-3
	Hours	**15-16**
Spring Semester		
THTR 212	Movement III: Somatics	3
THTR 222	Advanced Acting: Chekhov	3
THTR 264	Voice III: Advanced Voice and Speech	3
Elective		3
Second course in students' selected design, production, and technology sequence		3
	Hours	**15**
Junior Year		
Fall Semester		
THTR 201	Theatre History II: Modern Theatre	3
THTR 311	Movement IV: Style	3
THTR 321	Advanced Acting: Shakespeare	3
THTR 361	Voice IV: Text Styles	3
General Education Core course OR Theatre Selective [b]		3
	Hours	**15**
Spring Semester		
THTR 322	Advanced Acting: Brecht, Beckett, Pinter	3
THTR 362	Voice V: Dialects	3
THTR 312	Movement V: Character	3
General Education Core course OR Theatre Selective [c]		3
General Education Core course		3
	Hours	**15**
Senior Year		
Fall Semester		
THTR 280	Practicum in Performance [a]	3
THTR 413	Movement VI: Movement Lab	3
THTR 421	Advanced Acting: Ensemble	3
General Education Core course OR Theatre Selective [b]		3
	Hours	**12**
Spring Semester		
THTR 422	Advanced Acting: Audition	3
General Education Core course OR Theatre Selective [c]		3
General Education Core course		3
Electives		7
	Hours	**16**
	Total Hours	**120**

a *THTR 280 requires permission of instructor to register. This is given for semesters when student is cast in a mainstage production.*

b *THTR 331, THTR 431, and THTR 435 are typically offered in the fall semester.*

c *THTR 431 and THTR 333 are typically offered in the spring semester.*

Minor in Music

Requirements for the Minor

Code	Title	Hours
Required Courses		
MUS 101	Music Theory I	3
MUS 102	Music Theory II	3
MUS 103	Ear Training I	1
MUS 104	Ear Training II	1
MUS 170	Keyboard Skills I	2
MUS 171	Keyboard Skills II	2
MUS 230	History of Western Music I: Music of the Middle Ages and Renaissance	3
MUS 231	History of Western Music II: Music of the Baroque and Classical Periods	3
Any 3 hours of music electives at the 100 level, excluding MUS 100, MUS 107, and MUS 156.		3
Total Hours		**21**

BBA Degree Completion Program (Online or Campus)[a]	College of Business Administration	Bachelor of Business Administration	60 + 60

a *The Bachelor of Business Administration online program follows a different curriculum. More information can be found in the* Bachelor of Business Administration *(*p. 198*) section.*

General and Basic Course Requirements

Students should take ENGL 160 and ENGL 161, the courses of one of the mathematics tracks, and ECON 120 as early as possible, since this course is a prerequisite for some business core courses.

Code	Title	Hours
Required Courses		
Business Administration Professional Development		
BA 100	Introduction to Professional Development [a]	1
BA 101	Business First-Year Seminar [a]	0
BA 220	Business Professional Development II [a]	1
BA 320	Civic Engagement [a]	1
BA 420	Professional Presence [d]	3
English		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Mathematics		
Select one of the following Tracks:		10
Track I [c]		
MATH 125	Elementary Linear Algebra [b]	
MATH 165	Calculus for Business [b]	
Track II [c]		
MATH 160	Finite Mathematics for Business [b]	
MATH 165	Calculus for Business [b]	
Economics		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
Communication		
COMM 100	Fundamentals of Human Communication	3
BA 395	Assessment Experience	0
Total Hours		**28**

a *BA 100, BA 220, and BA 320 are one-semester-hour courses that are required for graduation for students who start as first year students and transfer students who enter with less than 24 hours. BA 101 is a zero-semester-hour course for all incoming first year students and transfer students who enter with less than 24 hours in the College of Business Administration. The course will be required in the first semester as part of the cohort program. It will fulfill the first year experience, as well as create opportunities for student academic and co-curricular programming.*

b *Minimum grades of C must be earned in these courses.*

c *Students should select the mathematics track that matches their preparation and career goals. MATH 180 is an approved substitution for MATH 165 in either of the math tracks. Credit for MATH 181, MATH 210, MATH 220, MATH 310, MATH 320, MATH 410, MATH 411, or MATH 425 fulfills the math sequence.*

d *Required for students who enter the College of Business Administration as transfer students.*

University General Education Requirements

Students must satisfy the university's General Education requirements by taking classes from various subject areas. The requirement in some of these subject areas may be fulfilled through the required courses listed above. For the categories with additional hours, students should consult the General Education (p. 83) section of the catalog for a list of courses in each category.

Code	Title	Hours
Subject Area		
Analyzing the Natural World course [a]		
Exploring World Cultures course		
Understanding the Creative Arts course		
Understanding the Individual and Society course [b]		
Understanding the Past course		
Understanding U.S. Society course [c]		

a *MATH 125, MATH 160, and MATH 165 listed in the preceding General and Basic Education Requirements, as well as MATH 180 and MATH 181, are approved General Education Core courses for the Analyzing the Natural World General Education requirement. Students must take one additional course in this category.*

b *COMM 100 satisfies the Understanding the Individual and Society course requirement.*

c *ECON 120 satisfies the Understanding U.S. Society course requirement.*

Electives

Code	Title	Hours
Courses		
Select 4-7 hours of electives. The number of required elective hours is determined by the degree program, mathematics track, general education courses selected, and the hours of each required business course. Students in the Accounting degree program must take enough electives to reach 45 hours of General Course Requirements. Students in the Entrepreneurship, Finance, Human Resource Management, Information Decision Sciences, Management, Marketing, and Real Estate Studies degree programs must take enough electives to reach 48 hours of General Course Requirements.		4-7

Other Course Requirements

Business Administration Course Requirements

All entering freshmen in the college must successfully complete BA 101 during the fall semester. This first year experience course is designed to help students successfully transition from high school to a university environment. BA 101 includes an introduction to study strategies and techniques as well as an orientation to resources available at UIC. Students will be given an overview of the CBA degree programs and careers in business. Additionally, this course provides ample opportunities to connect with other students, faculty, staff, and organizations and activities on campus. BA 100 introduces students to professional development and learning to embrace their authentic professional presence academically and professionally and should be taken in the first year. In their second year, students must successfully complete BA 220. BA 220 is intended to develop "professional presence"—the verbal and nonverbal skills necessary to excel professionally. In either semester of their third year, students must successfully complete BA 320. The primary goal of BA 320 is to understand and practice the value of serving the community through civic engagement. A secondary goal of the class is to learn and practice building effective teams.

Foreign Language Requirement

The College of Business Administration requires at least two years of a single foreign language in high school with minimum grades of C as a criterion for admission. Students admitted with a deficiency in this area must take two semesters of a single foreign language or American Sign Language at the college level with minimum grades of C or prove proficiency in a foreign language. Foreign Language courses taken to fulfill an admission requirement deficiency will not be counted toward the degree.

Students should plan to submit proof of completing the requirement to their academic advisor.

The Foreign Language Requirement is considered complete if a student:

1. Provides an unofficial high school transcript that shows completion of two or more years of the same foreign language in high school with grades of C or better.
2. Proves fluency in a language other than English verified by:
   a. Placing into 103-level foreign language course (or higher) at UIC via the UIC Placement Exam
   b. Showing proof of having earned the Illinois State Seal of Biliteracy
   c. Earning an 8/12 on the New York University Proficiency Test (at student's expense)
3. Is a non-native speaker of English, such as:
   a. An international student from a non-English speaking country, verified by government-issued documentation showing name, date of birth, date of entry into the U.S., and country of origin (passport, visa, green card)
   b. A student from a non-English speaking country who enters the U.S. for the first time after 12 years of age (other than on a temporary visitor's visa), verified by government-issued documentation showing name, date of birth, date of entry into the U.S., and country of origin (passport, visa, green card)
   c. A student who completed high school in a non-English speaking country, verified by an unofficial high school transcript noting study in a country where English is not the dominant language
4. Completes up to the 102-level course in a single foreign language. (Example, student completes SPAN 102 with a minimum grade of C.)

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog. Information on meeting the General Education requirements for each College of Business Administration degree program is detailed in the previous section on General Course Requirements.

General Education Proficiencies—University Writing Requirement

ENGL 160 and ENGL 161 are degree requirements.

Mathematics Requirements

Business students must register for a mathematics course every semester beginning with their first semester of enrollment until one of the required mathematics tracks has been completed. After completing the required math courses, students must enroll in Business Statistics (IDS 270). Some students may be required to take prerequisite math courses prior to enrolling in the required math courses.

Other Requirements

Coursework Limitations

Courses that duplicate previous coursework do not count toward graduation, nor do courses in which failing grades are received. Furthermore, credit earned in the following courses does not count towards graduation:

Code	Title	Hours
Courses		
BA 101	Business First-Year Seminar	
BA 289	Business Internship Program I	
MATH 090	Intermediate Algebra	
Foreign Language courses taken to fulfill a deficiency in the CBA foreign language additional graduation requirement will not be counted in the total degree hours needed for graduation. Students who take foreign language courses that do not fall into the foreign language requirement category can use these courses to fulfill general elective credit requirements.		
Courses offered under the English Language and Support for Internationals (ELSI) subject		
Music skills courses		

2. The student meets the GPA required by the conditions of their academic notice but does not raise the combined average of the student's transfer credit and UIC coursework to at least 2.00/4.00.

CBA Undergraduate Programs determines the conditions of academic notice. In addition to specifying the grade point average, the college may require the completion of specific courses, limit the number of hours for which students register, and exclude students from taking certain courses while on academic notice.

All students on academic notice are required to adhere to the following terms (academic restrictions). Failure to do so will result in registration holds and possible academic dismissal.

1. Students must meet with their academic advisor to create a plan for future success.
2. Students must schedule an appointment with their CBA academic advisor two additional times during the semester to discuss their academic progress for the term.
3. Students must seek tutoring in subject areas in which they have had difficulty. Tutoring is available in the College of Business Administration Business Learning Center, the Honors College, the Writing Center, and the Mathematical Science Learning Center, as well as many other support programs on campus. Check the Flames Tutoring Network to find subjects that have tutoring services.

Dismissal Rules [a]

1. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the grade point average required by the academic notice and in which the cumulative GPA in courses taken at UIC is less than 2.00/4.00.
2. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the GPA required by the academic notice and in which the combined transfer and UIC grade point average is less than 2.00/4.00.
3. A student who fails to make progress toward a degree may be dismissed. Examples include failure to complete required courses, accumulation of an excessive number of Incomplete grades, failure to earn credit in any semester, failure to maintain a C average in the major discipline.
4. In addition to the term notice, academic notice, and dismissal rules above, a college or a school may impose criteria for dismissing a student from a curriculum or college without prior academic standing of term notice or academic notice, may impose other terms of term notice or academic notice, and may specify a minimum lapse of time between a dismissal action and consideration of a petition for readmission. The dismissal rules may be waived when, in the judgment of the student's college, the student's overall record warrants such action.

a *In other university publications Dismissal Rules are sometimes referred to as Drop Rules. Term Notice and Academic Notice may be referred to as Probation.*

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript.

Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program. A Term Withdraw does not count against this total.

Registration deadlines can be viewed online via the Administrative Calendar. Students are responsible for reviewing the Administrative Calendar and should consult an academic advisor should they need to drop a course.

Change of Major/Declaring a Major

Students are encouraged to discuss their options for majors within the College of Business Administration with faculty, career advisors, and academic advisors. CBA students must declare a major by the end of their sophomore year. Declaring or changing a major is done by making an appointment with an academic advisor.

Class Attendance

CBA's expectation is that students attend all scheduled classes because it is necessary for achieving academic success. Students should not expect instructors to accommodate poor attendance. Each instructor may establish specific attendance requirements for his/her course. The instructor is responsible for making the attendance policy clear to the students. An instructor cannot drop a student from a course due to nonattendance. It is the student's responsibility to make certain that all courses are added and dropped properly by the published deadlines.

Closed Courses

Courses close because a maximum enrollment capacity is placed on each course offered on campus. This limit cannot be exceeded due to fire code, safety and environmental regulations. It is necessary that students register at their assigned time to ensure the preferred course schedule.

College Level Examination Program (CLEP)

UIC awards credit based on scores earned on the College Level Examination Program (CLEP). When seeking credit for a CLEP exam taken at another institution, a student's official score will be evaluated on UIC's credit-granting policy.

CLEP credit can only apply toward general electives. CLEP credit will not count toward the foreign language or residency requirements. A student cannot take a CLEP exam in a subject in which they have already earned credit. Three elective credit hours will be awarded per exam. A maximum of 30 semester hours is allowed.

The full list of CLEP exams available is available online. The Office of Testing Services administers CLEP exams on campus and can be reached at (312) 996-0919 for further information on CLEP examinations.

Course Prerequisites

Students must meet all course prerequisites. The most up-to-date prerequisites for courses are listed on my.UIC. It is the student's responsibility to review course prerequisites before enrolling in a course. Prerequisites are put on courses to ensure students' success in the

approval to register. Students on academic probation must also meet with an academic advisor prior to registering for the next semester. Registration holds will not be removed from the student's account until these conditions have been met.

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. The College of Business Administration requires students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A, B, or C grades may not be repeated. Courses with D or F grades may be repeated once without written permissions. In all cases, the original grade for the course and the grade for each repeat **will appear on the transcript**. The original grade and the grade for each repeat will be calculated into the grade point average.

Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

To repeat a course more than once requires written permission from the academic department head from which the course is being offered. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should always consult their CBA academic advisor before repeating a course.

Undergraduate Grade Point Average Recalculation/Grade Exclusion Policy

- The College of Business Administration may elect to implement this policy as early as the end of the junior year, or as late as the final semester during degree certification.
- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- A student's academic record is examined to determine if courses, deemed appropriate by each college, with grades of D or grades of F may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The credit hours associated with excluded course grades will not count towards graduation requirements.
- The college will initiate course exclusions, and only in consultation with the evaluated student.
- This policy only applies to undergraduate degree-seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- Grades earned from institutions other than UIC cannot be excluded.
- CBA academic advisors and departments will have discretion in choosing courses that impact the student's major or degree program.

Transferring

Intercollege Transfer Students

UIC students from other colleges may apply for transfer to the College of Business Administration. Admission is competitive and based on space availability. The following is a list of the **minimum** criteria needed to be considered for admission:

- A cumulative and UIC GPA of 2.00 or higher with a C or better in one of the required math courses (MATH 125, MATH 160, MATH 165, or MATH 180) and a 2.50 GPA for the previous semester.
- Students on academic probation or dismissal status will not be considered for admission.
- The BBA degrees are degree-completion programs intended for students who have completed an associate degree. They have additional admission requirements, including completion of 60 hours of college credit. See the BBA degree requirements page or the CBA website for additional information. The Online BBA program only admits students for the fall semester. Space is limited for the Online BBA program, and students will be notified should the program be at capacity.
- Students must submit their application by the deadlines listed on the CBA website.
- Students may not submit Intercollege transfer applications to multiple colleges. If a student has already applied to another college, such as the College of Engineering, they must cancel their application before submitting an Intercollege Transfer application to UIC Business.

Before Applying

- Students should run a degree audit for their major of interest in uAchieve to view the degree requirements and see how their completed/in-progress courses apply.
- Students should connect with a Career Advisor to ensure their major of interest aligns with their professional goals.
- Students who are not sure whether they want to change their major or who do not meet the math admission requirement, may apply for a Business Minor. If approved, they will have access to the courses required of the Minor, which will help to confirm their interest and make progress toward a degree in Business prior to changing majors.

Transfer Students from Other Colleges and Universities

Admissions criteria is determined by the college and is based on the strength of the applicant pool.

The following guidelines list the minimum requirements to be considered for admission to the College of Business Administration:

- At the time of application,[a] a student must have completed a minimum of 24 semester hours (36 quarter hours) of credit with at least a 2.50/4.00 GPA.
- At the time of enrollment,[a] a student must have completed a minimum of 36 semester hours of credit with at least a 2.50/4.00 GPA.

See the Office of Admission Transfer Guide for more information about transfer admission requirements.

a *It is highly recommended that students complete their required Academic Writing courses, Finite Math or Linear Algebra, and either*

Policies to Ensure Academic Progress

- Meet with an academic advisor **each semester to facilitate academic success** and stay on track for graduation.
- It is recommended that students enroll in a manageable course load of 12–16 hours the first semester of their first year. After the first semester, to complete the degree within four years, a student must enroll in an average course load of 15–16 hours per semester every semester after their first. The maximum course load is 18 hours per semester (12 hours between the two summer sessions).
- Students must choose courses for which they meet the prerequisites. Current prerequisites are listed on my.UIC or the online course descriptions.
- Students must enroll in a math or statistics course each semester until the sequence is completed.
- ENGL 160 and ENGL 161 should be completed by the end of the first year.
- ECON 120 should be completed during the first year.
- First Year students in the Cohort program will follow the advisor-prescribed academic plan for the first four semesters of enrollment at UIC.
- Finance, Information and Decision Sciences, and Marketing majors should complete the advanced quantitative skills course after IDS 270 credit is earned.

Academic Honors

College Honors

College Honors are awarded when a student graduates and are noted on both the diploma and transcript. To qualify for College Honors, students must do the following:

1. Complete the degree requirements.
2. Earn a minimum of 60 semester hours of credit at UIC.
3. Achieve a minimum UIC cumulative grade point average of 3.50.

Dean's List

Students are eligible for the Dean's List if they have completed a minimum of 12 graded hours, or 6 graded hours during the summer term, and if they earn a term grade point average of 3.50 or higher. Although the grade point average excludes courses taken on the credit/no credit option, a student who fails a course taken under this option is **ineligible** for the Dean's List.

Department Honors

Department Honors are awarded when a student graduates and are noted on the UIC official transcript. Department honors are awarded if the student meets the grade point average criteria listed below:

- **Distinction:** Overall cumulative GPA of 3.25 and major GPA of 3.25
- **High Distinction:** Overall cumulative GPA of 3.50 and major GPA of 3.50
- **Highest Distinction:** Overall cumulative GPA of 3.75 and major GPA of 3.75

Special Programs and Opportunities

Undergraduate Programs

- The CBA's official mode of communication is through UIC email and notifications in iAdvise. The CBA keeps its students informed of news and deadlines through UIC email and the UIC Business newsletter. CBA students are expected to check their UIC email account daily for updates.
- The CBA awards approximately $500,000 in scholarships per year. Applications are submitted online in January with the deadline in early February. Scholarship recipients are notified in April -June and the scholarship awards are distributed in the next fall semester. Information about applying for scholarships can be found online.
- The CBA offers Honors/Business Scholars courses each semester. Students must be a member of the Business Scholars (Honors College) to take these courses or have a cumulative GPA of 3.40/4.00. These courses provide an enhanced classroom experience and more contact and interaction with the professor. The Honors Course Designation will be noted on the official UIC transcript.
- Business students may opt to live on the Business floors of the residence halls which provide an opportunity to connect, study, and socialize with other business students. Special programs are delivered by the college in the residence hall.
- Notable authors and business executives are invited to speak and interact with CBA students on a regular basis. Professional development opportunities will be offered via courses, the Business Career Center and Student Organization events.
- The Business Learning Center provides tutoring to business students in the areas of Accounting, Economics, Finance, and IDS.

Business Career Center

The UIC Business Career Center is open with all resources available to students, including career advising, workshops, job and internship opportunities, career fairs, and more. A team of experienced career coaches are here to help students learn the skills they need to find the right business career and translate their classroom experiences to the workplace.

Visit the UIC Business Connect for more information.

Academic Options

- UIC Business Scholars Program is a highly selective four-year cohort honors program for first-year undergraduate business majors designed to develop leadership excellence and professionalism through courses, workshops, service opportunities, and development activities. Students will be considered for a scholarship that is renewable for up to four years as long as the student remains eligible.
- The UIC Study Abroad Program and Exchange Program provide students the opportunity to take courses in universities around the world. Courses must be reviewed and approved by the College of Business Administration for credit towards graduation.
- Students may pursue Minors in: Business Analytics, Entrepreneurship, Finance, Human Resource Management, International Business, Leadership, Management Information Systems, Real Estate, or Supply Chain and Operations Management, as well as minors outside of the college.

Honor Code

As an academic community, the College of Business Administration at the University of Illinois Chicago is committed to providing an environment in which teaching, learning, research, and scholarship can flourish and in which all endeavors are guided by academic and professional integrity. All members of the college community—students,

Administration:
Professor and Department Head, Michael Kirschenheiter, mkirsch@uic.edu

Mission Statement

Consistent with the Mission of the College of Business Administration and the University of Illinois Chicago, the Department of Accounting is committed to the production and delivery of quality educational programs, discipline-based as well as interdisciplinary research, and service to the community.

Educational Mission

Students majoring in Accounting learn how to integrate conceptual and technical knowledge with practical application. The program prepares students for careers in financial, managerial, governmental/nonprofit, and international accounting, as well as auditing, information systems, taxation, and business law. Graduates are prepared to sit for certification examinations for the CPA, CMA, and similar certifications.

We deliver quality educational programs in accounting in the Chicago metropolitan area. The curriculum is designed with the goal of ensuring that the undergraduate students who major in accounting are well prepared for professional careers and certification candidacy. Students are encouraged to complete all degree requirements in a timely fashion through a coordinated program of faculty and academic advising. Internships are frequently used as an additional vehicle to prepare students for the professional settings. The department provides advanced programs of study through its graduate offerings including the MSA, joint MSA/MBA, and Master of Business Administration with a specialization in Accounting. Students may apply for the Guaranteed Admission to Master of Science in Accounting (GAMSA) program which allows students who meet criteria to be automatically accepted into the program, which will provide them with the 150-academic-hour requirement of the Illinois CPA examination.

Accreditation

The accounting department and its associated degree programs are separately accredited (in addition to the College of Business Administration accreditation) by AACSB International—The Association to Advance Collegiate Schools of Business.

BS in Accounting

Accounting is a system for identifying, measuring, and communicating to interested parties, the aggregate effects of a sequence of transactions engaged in by any entity over a specified period.

These entities include but are not limited to business firms, governmental units, and nonprofit organizations. Users of financial information include management, stockholders, and creditors. The scope of the accounting discipline is broad and varied. There are several specific functional areas within the field of accounting such as: financial accounting, managerial accounting, governmental and nonprofit accounting, international accounting, auditing, information systems, and taxation. The department also offers courses in business law and ethical issues in accounting.

CPA Exam in Illinois

The UIC Bachelor of Science in Accounting program satisfies all the educational course requirements for taking the CPA exam in Illinois. It includes 30 hours of accounting, 24 hours of business, and the required specific courses.

The only additional requirement needed is a total 150 hours of college credit. For more information check the Illinois Board of Examiners website.

Degree Program

- BS in Accounting (p. 187)

BS in Accounting

Program Codes:
20FL1000BS

Degree Requirements

To earn a Bachelor of Science in Accounting degree from UIC, students need to complete university, college, and department degree requirements. The Department of Accounting degree requirements are outlined below. Students should consult the College of Business Administration (p. 176) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Course Requirements		45
Business Core		42
Major Requirements		18
Business Electives		15
Total Hours		**120**

General and Basic Course Requirements

See General and Basic Course Requirements (p. 177) in the College of Business Administration section for the list of courses needed to meet this requirement.

Business Core

See Business Course Requirements (p. 178) in the College of Business Administration section for the list of courses needed to meet this requirement.

Major Requirements

Code	Title	Hours
Required Courses		
ACTG 315	Intermediate Financial Accounting I	3
ACTG 316	Intermediate Financial Accounting II	3
ACTG 326	Cost Accounting	3
ACTG 435	Auditing	3
ACTG 445	Federal Income Tax I	3
ACTG 474	Accounting Information Systems	3
Total Hours		**18**

Business Electives

Code	Title	Hours
Courses		
Select 15 hours from the following:		15
ACTG 355	Business Law I: Commercial Transactions	
ACTG 417	Advanced Financial Accounting	

Business Core	42
Major Requirements	21
Business Electives	9
Total Hours	**120**

General and Basic Course Requirements

See General and Basic Course Requirements (p. 177) in the College of Business Administration section for the list of courses needed to meet this requirement.

Business Core

See Business Course Requirements (p. 178) in the College of Business Administration section for the list of courses needed to meet this requirement.

Major Requirements

Code	Title	Hours
Required Courses		
FIN 310	Investments	3
FIN 320	Managerial Finance	3
Major Electives		
15 additional hours at the 300 or 400 level in the Department of Finance. FIN 250 may also be applied toward the degree's major electives. Students may choose to focus their 15 elective hours within a concentration. Students may also choose to complete the degree without a concentration. In this case, students may fulfill their 15-hour elective requirement by choosing any combination of finance electives from within the Department of Finance. See lists below for career path suggestions.		15
Total Hours		**21**

Business Electives

Code	Title	Hours
Courses		
9 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives. Students pursuing the concentration in Financial Planning must take ACTG 444 or ACTG 445 as one of their Business Electives.		9
Total Hours		**9**

Concentrations

Concentration in Financial Planning

Students completing the Concentration in Financial Planning must include the following courses as their Major Electives.

Code	Title	Hours
Required Courses		
FIN 250	Personal Finance	3
FIN 411	Retirement and Estate Planning	3
FIN 414	Financial Plan Development	3
FIN 473	Risk Management and Insurance	3
ACTG 444	Federal Income Tax for Financial Planning [a]	3
or ACTG 445	Federal Income Tax I	
Select 3 hours from:		3
FIN 412	Portfolio Management	
FIN 415	Fixed Income Securities	
FIN 419	Behavioral Finance	
FIN 422	Alternative Investments: Venture Capital, Private Equity, and Hedge Funds	
FIN 423	Financial Modeling, Analysis, and Decision Making	
FIN 424	Financial Communication	
FIN 430	Introduction to Money and Banking	
FIN 449	Applied Equity Investment Management	
Total Hours		**18**

a *ACTG 444 or ACTG 445 will count toward the Business Elective Requirement.*

Course Suggestions for Finance Careers

Students should select courses based upon their interests and career goals. The finance courses listed below suggest which courses are most appropriate for alternative career paths.

Corporate Finance and Risk Management

This area provides an introduction to the work of the financial officer of a company focusing on financial statements, financial characteristics, and financial strategies of different types of firms.

Code	Title	Hours
Courses		
12 hours from the following:		
FIN 340	International Financial Markets	3
FIN 416	Options and Futures Markets	3
FIN 421	Advanced Corporate Finance	3
FIN 422	Alternative Investments: Venture Capital, Private Equity, and Hedge Funds	3
FIN 423	Financial Modeling, Analysis, and Decision Making	3
FIN 430	Introduction to Money and Banking	3
FIN 442	International Corporate Financial Management	3
3 hours from the following:		
FIN 419	Behavioral Finance	3
FIN 424	Financial Communication	3
FIN 425	Energy Finance	3

Investment Management

This area provides an introduction to the theory and practice of managing investments. The professional investment manager must be aware of the

Degree Requirements

To earn a Bachelor of Science in Information and Decision Sciences degree from UIC, students need to complete university, college, and department degree requirements. The Department of Information and Decision Sciences degree requirements are outlined below. Students should consult the College of Business Administration (p. 176) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Course Requirements		48
Business Core		42
Major Requirements		18
Business Electives		12
Total Hours		**120**

General and Basic Course Requirements

See General and Basic Course Requirements (p. 177) in the College of Business Administration section for the list of courses needed to meet this requirement.

Business Core

See Business Course Requirements (p. 178) in the College of Business Administration section for the list of courses needed to meet this requirement.

Major Requirements

Code	Title	Hours
Required Courses		
IDS 201	Introduction to Business Programming	3
or IDS 331	Business Analysis Using Spreadsheets	
IDS 410	Business Database Technology	3
12 additional hours of 300- or 400-level courses from the IDS department. IDS 201 may also be applied toward the degree's major electives. Students may choose to focus their 12 elective hours within a concentration. Students may also choose to complete the degree without a concentration. In this case, students may fulfill their 12-hour elective requirement by choosing any combination of IDS electives from within the Department of Information and Decision Sciences. See lists below for concentration path suggestions.		12
Total Hours		**18**

Business Electives

Code	Title	Hours
Courses		
12 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.		12
Total Hours		**12**

Concentrations

Students may choose to focus their IDS and CBA elective courses within one or more of the following concentrations. The same course cannot be counted towards more than one concentration. Students may also choose to complete the major in IDS without any concentration. For this, students may choose any combination of IDS electives to fulfill the requirements for the major.

Concentration in Business Analytics

Code	Title	Hours
Required Courses		
IDS 472	Business Data Mining	3
IDS 400	Programming for Data Science in Business	3
Select two of the following:		6
IDS 201	Introduction to Business Programming	
IDS 422	Text Mining for Business Applications	
IDS 435	Optimization for Analytics	
IDS 460	Causal Inference	
IDS 462	Statistical Software for Business Applications	
IDS 470	Multivariate Analysis	
IDS 476	Business Forecasting Using Time Series Methods	
Recommended Business Electives		
It is recommended that students take additional business analytics electives as part of their 12 hours of business elective courses. Other recommended business electives are listed below. A course can be used to satisfy only one area of required or elective courses.		
IDS 312	Business Project Management	
IDS 313	Internet Applications in Business	
IDS 331	Business Analysis Using Spreadsheets	
IDS 406	IDS Consulting Practicum	
IDS 420	Business Model Simulation	
IDS 454	Introduction to Supply Chain Management	
IDS 473	Risk Management and Insurance	
FIN 310	Investments	
FIN 416	Options and Futures Markets	
FIN 480	Securities Markets and High-Frequency Trading	
MKTG 460	Marketing Analytics	
MKTG 462	Marketing Research	
MKTG 479	Digital and Social Media Marketing	

Concentration in Management Information Systems

Code	Title	Hours
Required Courses		
Prerequisite: IDS 201, as part of the IDS major requirement.		
IDS 401	Business Object Programming using Java	3
IDS 405	Business Systems Analysis and Design	3

- Leadership and Managerial Competencies
- Management Consulting
- Managerial Logistics

Employment opportunities include general management positions in manufacturing, distribution, and service industries; staff positions in human resources management and industrial relations departments; and management positions in transportation and physical distribution.

Distinction

See Academic Honors (p. 185) in College of Business Administration section.

Degree Programs

- BS in Entrepreneurship (p. 193)
- BS in Human Resource Management (p. 193)
- BS in Management (p. 194)

BS in Entrepreneurship

Program Codes:
20FL3501BS

Degree Requirements

To earn a Bachelor of Science in Entrepreneurship degree from UIC, students need to complete university, college, and department degree requirements. The Department of Managerial Studies degree requirements are outlined below. Students should consult the College of Business Administration (p. 176) section for additional degree requirements and college academic policies. Students who wish to pursue the entrepreneurship degree may seek individual advising on their programs of study through the Undergraduate Programs office.

Code	Title	Hours
Summary of Requirements		
General Course Requirements		48
Business Core		42
Major Requirements		18
Business Electives		12
Total Hours		**120**

General and Basic Course Requirements

See General and Basic Course Requirements (p. 177) in the College of Business Administration section for the list of courses needed to meet this requirement.

Business Core

See Business Course Requirements (p. 178) in the College of Business Administration section for the list of courses needed to meet this requirement.

Major Requirements

Code	Title	Hours
Required Courses		
ENTR 310	Introduction to Entrepreneurship	3
ENTR 445	New Venture Planning	3
ENTR 454	Entrepreneurship New Venture Formation	3
Select three of the following:		9
ENTR 320	Entrepreneurship Internship Program	
ENTR 360	Strategic Analysis and Reporting	
ENTR 420	Social Entrepreneurship	
ENTR 435	International Entrepreneurship	
ENTR 444	Entrepreneurial Finance	
or FIN 445	Financing Entrepreneurship	
ENTR 494	Special Topics in Entrepreneurship	
Total Hours		**18**

Business Electives

Code	Title	Hours
Courses		
12 hours at the 300 or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of six hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.		12
ACTG 355	Business Law I: Commercial Transactions	
MGMT 355	Structured Problem Solving for Consulting Projects	
MGMT 360	Strategic Analysis and Reporting	
MGMT 453	Human Resource Management	
MGMT 463	Negotiation and Conflict Resolution	
MGMT 470	Training and Development	
MGMT 486	Managerial Consulting	
MGMT 490	Cracking the Case: Case Analysis for Consulting Projects	
MKTG 462	Marketing Research	
MKTG 463	Marketing and Sales Channels	
MKTG 470	Branding	
MKTG 476	Business-to-Business (B2B) Marketing	
MKTG 479	Digital and Social Media Marketing	
Total Hours		**12**

Sample Business Major Curriculum

See Sample Business Major Curriculum (p. 176) in the College of Business Administration section. See your academic advisor for an individualized major map in your field of study.

BS in Human Resource Management

Program Codes:
20FL5715BS

Degree Requirements

To earn a Bachelor of Science in Human Resource Management from UIC, students need to complete university, college, and department

Code	Title	Hours
Cross-listed Course		
MGMT 447	Organizations	3

The Department of Managerial Studies offers the following three concentrations in management:

Concentration in Leadership and Managerial Competencies

Code	Title	Hours
The following courses are required:		9
MGMT 475	Leadership Theories and Personal Leadership Skills Development	
MGMT 463	Negotiation and Conflict Resolution	
MGMT 466	Managerial Effectiveness Through Diversity	

Concentration in Management Consulting

Code	Title	Hours
The following courses are required:		6
MGMT 355	Structured Problem Solving for Consulting Projects	
MGMT 360	Strategic Analysis and Reporting	
Select one of the following:		3
MGMT 486	Managerial Consulting	
MGMT 490	Cracking the Case: Case Analysis for Consulting Projects	

Concentration in Managerial Logistics

Code	Title	Hours
The following courses are required:		6
MGMT 480	Transportation Systems Management	
MGMT 481	Managerial Logistics	
Select one of the following:		3
MKTG 463	Marketing and Sales Channels	
IDS 454	Introduction to Supply Chain Management	

Business Electives

Code	Title	Hours
Electives		
9 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.		9
Total Hours		**9**

Sample Business Major Curriculum

See Sample Business Major Curriculum (p. 176) in the College of Business Administration section. See your academic advisor for an individualized major map in your field of study.

Department of Marketing

Contact Information:
Campus Location: 2203 University Hall (UH), Undergraduate Programs: 1118 UH
(312) 996-2700
business.uic.edu/undergraduate-programs/bs-marketing-degree

Administration:
Professor and Department Head: David Gal
Assistant Director of Administration: TyTianna Murray

The Department of Marketing offers a Bachelor of Science in Marketing.

Marketing involves all activities that help a company create and deliver value to customers and society at large. These activities include conducting research to understand current and future customers, developing new products and services and improving the company's existing offerings, and communicating with the market through traditional or digital media and the company's sales organization. The department offers a range of courses in different aspects of marketing, and students can also choose among five concentrations depending upon their interests and career focus:

- Data-Driven Marketing
- Digital Marketing and Promotions
- Innovation and Design Thinking
- Retail and Service Marketing
- Sales Leadership

The basic objective of the curriculum is to produce a student who has a sound understanding of theory and a keen sense of how to apply it in practice.

Distinction

See Academic Honors (p. 185) in the College of Business Administration section.

Degree Programs

- BS in Marketing (p. 195)

BS in Marketing

Program Codes:
20FL1432BS

Degree Requirements

To earn a Bachelor of Science in Marketing degree from UIC, students need to complete university, college, and department degree requirements. The Department of Marketing degree requirements are outlined below. Students should consult the College of Business Administration (p. 176) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Course Requirements		48
Business Core		42
Major Requirements		18

Business Electives

Code	Title	Hours
Electives		
12 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.		12
Total Hours		**12**

Sample Business Major Curriculum

See Sample Business Major Curriculum (p. 176) in the College of Business Administration section. See your academic advisor for an individualized major map in your field of study.

Department of Real Estate

Contact Information:
Campus Location: 2100 University Hall (UH)
(312) 355-9490
businessconnect.uic.edu/undergrad/undergrad-programs

Administration:
Associate Professor and Interim Department Head: Andrew Hanson, arhanson@uic.edu

The BS in Real Estate Studies program is designed to provide the background required by employers in the real estate industry, while also providing the rigorous academic training needed for graduate study in real estate or finance. The program emphasizes development of the skills required to conduct financial analysis of real estate investments, along with a thorough understanding of real estate institutions and training in market analysis and development.

The real estate major directly supports four of UIC's mission statements:

- To create knowledge that transforms our views of the world and, through sharing and application, transforms the world.
- To provide a wide range of students with the educational opportunity only a leading research university can offer.
- To address the challenges and opportunities facing not only Chicago but all Great Cities of the 21st century, as expressed by our Great Cities Commitment.
- To foster scholarship and practices that reflect and respond to the increasing diversity of the U.S. in a rapidly globalizing world.

Distinction

See Academic Honors in the College of Business Administration section.

Degree Program

- BS in Real Estate (p. 197)

BS in Real Estate

Program Codes:
20FL1657BS

Degree Requirements

To earn a Bachelor of Science in Real Estate degree from UIC, students need to complete university, college, and department degree requirements. The Department of Real Estate degree requirements are outlined below. Students should consult the College of Business Administration section for additional degree requirements and college academic policies.

Real Estate majors should pass FIN 300 (the required finance course in the business core) with a grade of C or better by the fall semester of their sophomore year in order to complete the required department courses.

Code	Title	Hours
Summary of Requirements		
General and Basic Course Requirements		48
Business Core		42
Major Requirements		18
Business Electives		12
Total Hours		**120**

General and Basic Course Requirements

See General and Basic Course Requirements (p. 177) in the College of Business Administration section for the list of courses needed to meet this requirement.

Business Core

See Business Course Requirements (p. 178) in the College of Business Administration section for the list of courses needed to meet this requirement.

Major Requirements

Code	Title	Hours
Required Courses		
RES 250	Real Estate Principles	3
RES 420	Real Estate Market Analysis	3
RES 450	Real Estate Data Analysis	3
Nine additional hours of 300-level or 400-level courses in the Handler Department of Real Estate [a]		9
Total Hours		**18**

a *Students may substitute up to three hours of 400-level coursework from the Department of Finance.*

Business Electives

Code	Title	Hours
Courses		
12 hours at the 200, 300, or 400 level chosen from courses in the College of Business Administration (excluding BA 220 and BA 320) or courses offered in the Economics department with a maximum of 6 hours at the 200 level. Students may use their business electives to complete a second concentration within their major, if applicable, or a minor with the college. Students should work with their advisor in choosing appropriate business electives.		12
Total Hours		**12**

Chicago, IL 60607-7161

Academic Advising Services

BBA students will have a designated advisor for their program to ensure academic success. Advising will be delivered in a variety of online methods and also using the existing student advising program. Advisors will work with students to customize their schedule if life events, or other circumstances, prevent them from following the prescribed order.

Business Career Center Services

The Business Career Center offers students help with anything from general career advice to exploring specific career paths. Students can schedule a one-on-one meeting with a career advisor by signing up through UIC Careers.

Textbooks and Course Packets

Textbooks are available through the UIC Bookstore Online or other vendors including eBook options. Textbooks and materials for each term are available in the Student Resource Center several weeks prior to each start.

Library Services

The University of Illinois Chicago provides easy access to library resources online, including electronic reserves and materials necessary to complete course-related research. Assistance will be available by email, phone, or the "Ask the Librarian" feature. Online tutorials, guides, and other forms of assistance will help students gain familiarity with the library resources most appropriate for a program.

- Bachelor of Business Administration (On-Campus) (p. 199)
- Bachelor of Business Administration (Online) (p. 200)

Bachelor of Business Administration (On-Campus)

Program Codes:
20FL5993BBA

Prerequisites

Students must have completed at least 60 hours of postsecondary coursework, in the following two categories:

Code	Title	Hours
Core Requirements (16 hours)		
English Composition I		3
English Composition II		3
Principles of Macroeconomics		3
Principles of Microeconomics		3
Linear Algebra, Finite Mathematics, Calculus, or Business Calculus		4
General Education and Elective Requirements (44 hours)		
Analyzing the Natural World [a]		3-5
Exploring World Cultures [a]		3
Understanding the Creative Arts [a]		3
Understanding the Individual and Society [a]		3
Understanding the Past [a]		3
Understanding U.S. Society [a]		3
Electives [b]		24-26
Total Hours		**60**

a *There are numerous courses that can be applied to these categories and satisfy the university requirement of 24 hours of general education coursework with at least one course in each of these categories. Students can find a list of these courses and other information about UIC General Education requirements in the General Education section of the catalog.*

b *Other Mathematics, Calculus, Statistics or quantitative analysis courses are highly recommended prerequisites that can be taken in order to satisfy the 24 hours of Electives requirements. However, many courses that satisfy the above general education requirements as well as those required for an associate's degree in business can also satisfy the Electives requirements.*

Please Note: An earned Associate of Arts or Associate of Science Degree from an Illinois community college fulfills the General Education requirements, per the Illinois Articulation Initiative. Students who have not earned such a degree must complete 60 transferable hours including the Core and General Education requirements above.

Students can select from a number of different courses to satisfy the broad General Education categories listed above. Following is a brief description of each category:

- Analyzing the Natural World: Courses in this category should introduce students to scientific and mathematical concepts and methods.
- Exploring World Cultures: Courses in this category should address significant aspects of any culture that is not part of the mainstream American culture.
- Understanding the Creative Arts: Courses in this category should focus, in close detail, on a number of significant works in literature, art, or other media.
- Understanding the Individual and Society: Courses in this category should introduce students either to the complexities of the individual or the relationship of the individual to social structures.
- Understanding the Past: Courses in this category should have as their focus significant past events.
- Understanding U.S. Society: Courses in this category should address some significant aspect of U.S. Society as their central focus.

BBA Curriculum for On-Campus Program

The curriculum of the 60-semester-hour program is listed below. The BBA on-campus program is a degree completion program that offers students the ability to create their upper-level business curriculum and tailor their program to their desired career outcome, with the help of their academic advisor.

Code	Title	Hours
BBA Curriculum Courses		
ACTG 210	Introduction to Financial Accounting	3
ACTG 211	Introduction to Managerial Accounting	3
BA 200	Business Communication	3
FIN 300	Introduction to Finance	3
IDS 200	Intro to Management Information Systems	4
IDS 270	Business Statistics I	4

Select 19 hours of selective coursework in consultation with BBA advisors. College maintains list of appropriate courses.	19
Total Hours	**60**

Minors

The College of Business Administration (CBA) offers minors in the following areas:

Code	Title	Hours
Available to only CBA Students		
	International Business	
Available to only non-CBA students		
	Business Administration	
Available to both CBA and non-CBA students		
	Accounting [a]	
	Business Analytics [a]	
	Entrepreneurship [a]	
	Finance [a]	
	Human Resource Management [a]	
	Leadership [a]	
	Management Information Systems [a]	
	Professional Sales and Relationship Management [a]	
	Real Estate [a]	
	Supply Chain and Operations Management [a]	

a *Students may not pursue a minor in the same department in which they are pursuing the major (e.g., Finance students may not pursue a Minor in Finance, IDS students may not pursue a Minor in Business Analytics, etc.).*

- Non-CBA students must submit the Minor Application for Non-CBA Students online to enroll in a CBA minor.
- CBA students must contact their advisor to officially declare a minor.
- Completion of one of these programs will be noted on the official UIC transcript upon graduation.
- Students must meet overall hours required as specified by the minor by registering for unique courses. Students may not use the same course for multiple minors.
- Students who enrolled in the minor in prior catalog years or students admitted prior to Fall 2021 may complete the minor with former catalog year requirements.

Minor in Accounting

The Accounting minor program is open to students from all UIC colleges. Students must also consult their home colleges about the acceptability and applicability of the course credits toward their degrees.

Minor in Business Administration

The Minor in Business Administration is only open to students enrolled outside of the CBA. Students must also consult their home colleges about the acceptability and applicability of the Core Business Administration course credits toward their degrees.

Minor in Business Analytics

Business analytics focuses on the use of data driven, analytical, and computing approaches for effective business decision making and management. Data mining, predictive modeling, forecasting, business intelligence analysis, and simulation have become critical across business functions such as marketing, finance, and human resource management. The Business Analytics minor helps students develop skills in these areas and enhances their knowledge and marketability. The minor program is open to majors from other units and colleges. Students must also consult their home colleges about the acceptability and applicability of the Information and Decision Sciences course credit toward their degree. Registration for most IDS courses is restricted to students in the Department of Information and Decision Sciences; therefore, students must register through the designated advisor in undergraduate programs.

Minor in Entrepreneurship

The Entrepreneurship minor program is open to students from all UIC colleges. Students must also consult their home colleges about the acceptability and applicability of the course credits toward their degrees.

Minor in Finance

The Minor in Finance introduces the student to the principles of finance, applies these principles to analyzing several financial issues, and develops problem-solving and quantitative skills that are widely used in business.

The Minor in Finance is open to undergraduate students from any unit and college at UIC. Students must consult their home colleges about the acceptability and applicability of Finance course credit toward their degree.

Students majoring in non-finance CBA majors can apply any finance courses taken to satisfy elective requirements toward both the minor and as electives toward the degree.

Minor in International Business

The College of Business Administration offers a minor in International Business for undergraduate students in the College of Business Administration. The minor is an option that students may choose if they wish to complement their major field of study with knowledge in the area of international business.

Minor in Leadership

The College of Business Administration offers a Minor in Leadership for all undergraduate students, except CBA students majoring in management or human resource management. Effective management of people and projects is essential for private, public, and nonprofit organizations in all fields. Business students who aspire to leadership roles in their work life will need strong managerial skills in order to advance. The Leadership minor offers course work that encompasses the basic skill set needed for successful management and leadership.

Minor in Management Information Systems

Information systems are transforming business management. They have become critical to performing almost every function of business. The Management Information Systems minor trains students in the software, tools, and systems that are widely used across business. Students develop database and system design skills, computing and programming skills, including Internet technologies, process analysis, modeling, simulation, and problem-solving skills. The minor program is open to majors from other units and colleges. Students must also

Managerial Studies		
MGMT 340	Introduction to Organizations	
MGMT 350	Business and Its External Environment	
MKTG 360	Introduction to Marketing	
Total Hours		**18-19**

a *Students admitted prior to Fall 2021 may choose either the new requirements or those in effect at the time the students were admitted, including FIN 301 and FIN 302.*

b *This is a 4-hour course. Minors that include this course must total 19 hours rather than 18 hours.*

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in residence at the University of Illinois Chicago.

Minor in Business Analytics

Minor Code: 5262

Requirements for the Minor

The minor requires 12 hours (four courses). A 2.50/4.00 grade point average is required for all work completed for the minor. Students majoring in IDS are not eligible for the minor.

Code	Title	Hours
Prerequisite Courses		
Non-CBA students will be **required** to take the following two Business Core courses, or their equivalents, as prerequisites to complete the minor.		
IDS 200	Intro to Management Information Systems	
IDS 270	Business Statistics I [a,b]	

Code	Title	Hours
Required Courses		
IDS 371	Business Statistics II [a]	3
IDS 472	Business Data Mining [a]	3
Select two of the following:		6
IDS 331	Business Analysis Using Spreadsheets [a]	
IDS 400	Programming for Data Science in Business [a]	
IDS 410	Business Database Technology [a]	
IDS 420	Business Model Simulation [a]	
IDS 462	Statistical Software for Business Applications [a]	
IDS 470	Multivariate Analysis [a]	
IDS 476	Business Forecasting Using Time Series Methods [a]	
IDS 478	Regression Analysis [a]	
MKTG 460	Marketing Analytics [a]	
Total Hours		**12**

a *This course may require prerequisites, which are listed in the course description.*

b *The following courses also fulfill the IDS 270 requirement: STAT 101, ECON 270, IE 342 and STAT 381.*

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in residence at the University of Illinois Chicago.

Minor in Entrepreneurship

Minor Code: 3501

Requirements for the Minor

The minor requires 12–15 semester hours (4–5 courses). 15 semester hours are required of nonbusiness majors and 12 semester hours are required of non-entrepreneurship business majors. A 2.50/4.00 grade point average is required for all work completed for the minor. Students majoring in Entrepreneurship are not eligible for the minor.

Code	Title	Hours
Required Courses		
Business majors must take 6 semester hours; nonbusiness majors must take 9 semester hours.		
ENTR 200	Survey of Entrepreneurship (required of nonbusiness majors only)	3
ENTR 310	Introduction to Entrepreneurship (required)	3
ENTR 445	New Venture Planning (required)	3
Selectives		
Select two additional courses from the list below. MGMT, MKTG and FIN courses may have non-ENTR prerequisite courses that have to be met by all students taking those courses.		6
ENTR 320	Entrepreneurship Internship Program	
ENTR/MGMT 360	Strategic Analysis and Reporting	
ENTR 420	Social Entrepreneurship	
ENTR 435	International Entrepreneurship	
ENTR 444	Entrepreneurial Finance	
or FIN 445	Financing Entrepreneurship	
ENTR 454	Entrepreneurship New Venture Formation	
ENTR 494	Special Topics in Entrepreneurship	
MGMT 463	Negotiation and Conflict Resolution	
MGMT 485	Corporate Sustainability and Responsibility	
MKTG 477	Interdisciplinary Research and Development I	
MKTG 479	Digital and Social Media Marketing	
No more than 6 semester hours (2 courses) for this minor may be counted toward the major requirements in the BS in Managerial Studies or BS in Marketing.		
Total Hours		**12-15**

FIN 442 toward the required courses in Finance; other business courses from the above list are counted toward the student's business electives.

b *ACTG 484 and FIN 442 have a prerequisite course that is not included in the Business Core.*

c *Students should consult the* General Education *(p. 83) section of the catalog to determine which of these courses are approved General Education courses.*

Students are encouraged to use their elective hours to take courses that would complement the required courses listed above, e.g., additional General Education courses in the field of international studies and courses in a foreign language. Depending on the major, completion of this minor may bring the total number of semester hours to over 120.

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in residence at the University of Illinois Chicago.

Minor in Leadership

Minor Code: 5976

The minor is open to all undergraduates except CBA students majoring in management or human resource management.

Requirements for the Minor

Students must also consult their home colleges about the acceptability and applicability of CBA course credits toward their degrees. Students pursuing this minor should register through their designated advisor in undergraduate programs.

A 2.50/4.00 grade point average is required for all work completed for the minor.

Code	Title	Hours
Prerequisite Course		
Non-CBA students will be **required** to take the following Business Core course, or its equivalent, as a prerequisite to complete the minor:		
MGMT 340	Introduction to Organizations	

Code	Title	Hours
Required Courses		
BA 420	Professional Presence	3
MGMT 452	Organizational Behavior [a]	3
MGMT 475	Leadership Theories and Personal Leadership Skills Development [a]	3
Select one of the following: [b]		3
MGMT 453	Human Resource Management [a]	
MGMT 463	Negotiation and Conflict Resolution [a]	
MGMT 486	Managerial Consulting [c]	
Total Hours		**12**

a *Prerequisite: MGMT 340 or consent of the instructor.*

b *CBA transfer students are required to take BA 420 for their BS degree. As a result, they must enroll in two of the selective courses.*

c *Prerequisites: MGMT 452 and MGMT 453; or consent of the instructor.*

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in residence at the University of Illinois Chicago.

Minor in Management Information Systems

Minor Code: 9890

Requirements for the Minor

The minor requires 12 hours (four courses). A 2.50/4.00 grade point average is required for all work completed for the minor. Students majoring in IDS are not eligible for the minor.

Code	Title	Hours
Prerequisite Course		
Non-CBA students will be **required** to take the following Business Core course, or its equivalent, as a prerequisite to complete the minor.		
IDS 200	Intro to Management Information Systems	

Code	Title	Hours
Required Programming Course		
Select one of the following:		3
IDS 201	Introduction to Business Programming [a]	
IDS 331	Business Analysis Using Spreadsheets [a]	
Required Systems Course		
IDS 410	Business Database Technology [a]	3
Selective Courses		
Select two of the following:		6
IDS 312	Business Project Management [a]	
IDS 400	Programming for Data Science in Business [a]	
IDS 401	Business Object Programming using Java [a]	
IDS 403	Information Security [a]	
IDS 405	Business Systems Analysis and Design [a]	
IDS 412	Distributed Business Systems [a]	
IDS 413	Internet Technology and Management [a]	
IDS 420	Business Model Simulation [a]	
IDS 422	Text Mining for Business Applications [a]	
IDS 454	Introduction to Supply Chain Management [a]	
IDS 472	Business Data Mining [a]	
Total Hours		**12**

a *This course may require prerequisites, which are listed in the course description.*

MGMT 481	Managerial Logistics [a]	
Total Hours		**12**

a *This course may require prerequisites, which are listed in the course description.*

b *The following courses also fulfill the* IDS 270 *requirement:* STAT 101, ECON 270, IE 342, *and* STAT 381.

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in residence at the University of Illinois Chicago.

College of Education

Contact Information:
Campus Location: 3004 Education, Theatre, Music, and Social Work (ETMSW)
(312) 996-5641
www.education.uic.edu

Administration:
Dean, Kathryn B. Chval
Associate Dean for Academic Affairs, Dr. Marc Van Overbeke
Associate Dean for Student Success, Dr. Maria Elena-Duarte
Associate Dean for Administration,
Associate Dean for Research, Dr. Dan Maggin
Program Coordinator of BA in Urban Education, Dr. Victoria Trinder
Program Coordinator of BA in Human Development and Learning, Dr. Bernadette Sánchez
Student Services: 3145 ETMSW, (312) 996-4532
Assistant Director of Admissions and Registration, Jennifer DeLago, (312) 996-0707

Introduction

The College of Education (COE) offers two degree programs. The Bachelor of Arts in Urban Education leads to a State of Illinois Professional Educator License (PEL) in Elementary Education (Grades 1–6). The Bachelor of Arts in Human Development and Learning (HDL) is appropriate for students who have an interest in working with individuals from infancy to adulthood and from diverse groups and/or communities. The BA in HDL is not an Illinois Professional Educator licensure program.

Degree Requirements

Semester Hour Requirement

The College of Education semester hour requirement is determined by program:

Major	School	Degree Conferred	Total Hours
Urban Education	Curriculum and Instruction	BA in Urban Education	120
Human Development and Learning	Educational Psychology	BA in Human Development and Learning	120

Course Requirements

See academic department sections for specific course requirements.

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog. Information on meeting the General Education requirements for Education programs is listed in the academic department sections.

General Education Proficiencies—University Writing Requirement and Quantitative Reasoning Requirement

College of Education students must meet the University Writing Requirement and the Quantitative Reasoning Requirement.

University Writing Requirement

Students must earn a passing grade in ENGL 160 and ENGL 161.

Quantitative Reasoning Requirement

Students in the Human Development and Learning program should consult the Human Development and Learning section (p. 217) for information on meeting this requirement. To satisfy the Quantitative Reasoning Requirement in the Urban Education program, students must complete MATH 140 and MATH 141 with a GPA of 2.50/4.00 in these courses.

Other Requirements

Students must complete the requirements of the university and college that are in effect at the time of initial registration. It is essential for each student to become familiar with graduation requirements and to keep up to date with any published changes. If requirements are changed, continuing students and those whose attendance at UIC has been interrupted for no more than two years may complete the current graduation requirements or may continue to meet those requirements in effect at the time of initial registration. Students who return to UIC after an absence of more than two years are responsible for meeting the requirements of the university and college in effect at the time of the student's reenrollment. If courses originally required are no longer offered, the college has the prerogative of specifying substitutes. Students in the BA in Urban Education program should be aware that changes occurring in state licensure requirements may necessitate additional coursework.

Academic Notice Rules

BA in Human Development and Learning Academic Notice

The following Academic Notice Rules apply to the BA in Human Development and Learning program:

1. A student not currently on academic notice will be placed on academic notice at the end of any term in which the student earns a cumulative or UIC GPA less than a 2.00/4.00. For such a student, academic notice serves as a warning.
2. An entering transfer student may be placed on academic notice when admitted by petition with cumulative GPA lower than 2.00/4.00.
3. A student readmitted by petition may be placed on academic notice with a UIC GPA lower than 2.00/4.00.
4. A student readmitted by petition may be placed on academic notice when admitted with a combined cumulative GPA from UIC and other institutions that is lower than 2.00/4.00.

A student on academic notice who earns a GPA of at least 2.00/4.00 in a given term will be removed from academic notice, provided the student's cumulative GPA in all work taken at UIC is at least 2.00/4.00. Further, for the student with transfer credit, the combined average of the student's transfer credit and UIC coursework must also be at least a 2.00/4.00.

A student currently on academic notice will be continued on academic notice when the one of the following occurs:

1. The student meets the GPA required by the conditions of their academic notice but does not raise the cumulative UIC GPA to at least 2.00/4.00; or
2. The student meets the GPA required by the conditions of their academic notice but does not raise the combined average of the student's transfer credit and UIC coursework to at least 2.00/4.00.

The dean of the student's college determines the conditions of academic notice. In addition to specifying the GPA, the dean may require the completion of specific courses, may limit the number of hours for which the student registers, and may exclude the student from taking certain courses while on academic notice.

BA in Urban Education Academic Notice

The following Academic Notice Rules apply to the BA in Urban Education program:

1. A student not currently on academic notice will be placed on academic notice at the end of any term in which the student earns a cumulative or UIC GPA less than a 2.50/4.00 or has an Elementary Education Concentration GPA less than a 3.00/4.00. For such a student, academic notice serves as a warning.
2. An entering transfer student may be placed on academic notice when admitted by petition with cumulative GPA lower than 2.50/4.00.
3. A student readmitted by petition may be placed on academic notice with a UIC GPA lower than 2.50/4.00.
4. A student readmitted by petition may be placed on academic notice when admitted with a combined cumulative GPA from UIC and other institutions that is lower than 2.50/4.00.

A student on academic notice who earns a GPA of at least 2.50/4.00 in a given term and an Elementary Education Concentration GPA of at least 3.00/4.00 will be removed from academic notice, provided the student's cumulative GPA in all work taken at UIC is at least 2.50/4.00 and the Elementary Education Concentration GPA is at least 3.00/4.00. Further, for the student with transfer credit, the combined average of the student's transfer credit and UIC coursework must also be at least a 2.50/4.00.

A student currently on academic notice will be continued on academic notice when the one of the following occurs:

1. The student meets the GPA required by the conditions of their academic notice but does not raise the cumulative UIC GPA to at least 2.50/4.00 and the Elementary Education Concentration GPA to at least 3.00/4.00; or
2. The student meets the GPA required by the conditions of their academic notice but does not raise the combined average of the student's transfer credit and UIC coursework to at least 2.50/4.00 and the Elementary Education Concentration GPA to at least 3.00/4.00.

The dean of the student's college determines the conditions of academic notice. In addition to specifying the GPA, the dean may require the completion of specific courses, may limit the number of hours for which the student registers, and may exclude the student from taking certain courses while on academic notice.

Dismissal Rules

BA in Human Development and Learning and BA in Urban Education

For students in both the BA in Human Development and Learning program and the BA in Urban Education program:

1. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the grade point average required by the academic notice and in which the cumulative GPA in courses taken at UIC is less than 2.00/4.00.
2. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the GPA required by the academic notice and in which the combined transfer and UIC grade point average is less than 2.00/4.00.
3. A student who fails to meet the terms of academic notice or is on academic notice for two consecutive terms will be dismissed.
4. A student who is dismissed will not be considered for readmission to the College of Education until after a lapse of at least one year.
5. A student who fails to make progress toward a degree may be dismissed. Examples include failure to complete required courses, accumulation of an excessive number of Incomplete grades, failure to earn credit in any semester, failure to meet the minimum grade point average, and/or inadequate professional performance as judged by program faculty.

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual

- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The semester hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- In cases where these procedures would impact program accreditation, licensure or similar, colleges may use their discretion to allow the policy. Colleges, departments, and programs may have discretion in choosing courses that impact the student's major.

Transferring

Intercollege Transfer Students

Both the BA in Urban Education and the BA in Human Development and Learning accept transfer students. More information may also be obtained from the Office of Student Services (OSS), 3145 ETMSW or by going directly to the College of Education website.

Transfer Students from Other Colleges and Universities

Students wishing to transfer from another college must apply for admission. Consult the previous section. Application information on applying may also be obtained from the OSS, 3145 ETMSW. See the Office of Admission Transfer Guide for more information about transfer admission requirements.

Transferring out of the College

Students wishing to transfer from the College of Education to another college should follow the procedures of the other college.

Minors

The College of Education offers the following minor. Please see departmental listings for more information.

Minor	Department	Hours
Minor in Education	College of Education	12
Minor in Instructional Design and Training	Department of Educational Psychology	12-18

Academic Advising

Advisors are located in the:

College of Education
Office of Student Services
3145 ETMSW
(312) 996-4532

Advising Policy

The College of Education has mandatory advising for all students. Students are required to meet with an advisor each semester, and have their coursework approved to be eligible to register. All students admitted to the College of Education are required to attend a mandatory program orientation to become familiar with expectations and student responsibilities. Students must attend the orientation to be eligible to register for first semester courses. Orientations are announced upon acceptance into the College of Education.

Academic Honors

College Honors

A student who has demonstrated outstanding academic excellence throughout the undergraduate program may be eligible for graduation with College Honors. Students will be considered for the distinction—graduation with College Honors—during the semester in which minimum graduation requirements are fulfilled. Those students who meet each of the following criteria will graduate with College Honors:

1. The student must earn a cumulative grade point average of 3.50/4.00. The cumulative grade point average includes work completed at UIC.
2. The student must be on the Dean's List for two consecutive semesters prior to the semester of graduation.

Graduation with High Honors will be awarded to any student who meets each of the following criteria:

1. The student must be eligible for graduation with College Honors.
2. The student must earn a cumulative grade point average of at least 3.75/4.00. The cumulative grade point average includes all work completed at UIC.

Dean's List

Outstanding academic achievement in the College of Education is recognized by inclusion on the Dean's List. Eligibility is based on a 3.50/4.00 term grade point average with a program of 12 semester hours of letter grades in a semester. If any additional coursework is taken on a credit/no credit basis, a grade of CR must be earned. A cumulative grade point average of 2.50/4.00 for 60 hours and above as well as clear academic status must be maintained for Dean's List eligibility.

Special Programs and Opportunities

Please consult the advisor in OSS, 3145 ETMSW, for further information.

Licensure

See the Council on Teacher Education (p. 479) section for information on teacher licensure.

Secondary Education Program

The University of Illinois Chicago offers several secondary teacher education programs located in the College of Liberal Arts and Sciences (LAS). Through LAS, the student can study the Teaching of English, Teaching of French, Teaching of German, Teaching of History, Teaching of Mathematics, and Teaching of Spanish. The programs provide for the development of a major field of study with an emphasis on teaching.

critical analysis, and demonstrate effective practices consistent with their professional knowledge and ideals.

The BA in Urban Education program provides emerging educators the deep learning and engagement necessary to build pedagogies inclusive of all students, infused with contextual understanding of systemic oppressions in urban schooling, and founded upon principles of equity and justice.

The BA in Urban Education provides the opportunity for students to become teachers for elementary school settings and earn a Grades 1–6, Elementary Education teaching license and the coursework required for a subsequent endorsement in Early Childhood Education (Birth to 2nd grade). BA Teacher Candidates (TCs) are expected to develop the following:

1. a deep understanding of school inequities and community knowledges;
2. a personal investment to children's learning in undersupported schools; and
3. a commitment to critical self-reflection and inquiry into learning and teaching.

These expectations are largely developed by having TCs conduct their student teaching in partner public schools with whom faculty have professional, scholarly, and philosophical connections. The schools working in partnership with the BA in Urban Education Program serve as sites for ongoing collaborations in development of curricula, pedagogical practices, and urban education scholarship.

Admissions Requirements

The BA in Urban Education program has adopted the university's admissions requirements as listed in the Admissions (p. 37) section of the catalog under First Year Applicant and adheres to the campus policy on transfer students.

All freshmen and sophomores will initially be admitted to the BA in Urban Education major in the College of Education and complete the Urban Education Core Curriculum. Students must complete the 60-hour Urban Education Core Curriculum required for admission to the last two years of Elementary Education concentration. Students should complete Core Curriculum coursework in four years or fewer. When students complete the Urban Education Core Curriculum, they must apply for candidacy - the state designation of students prepared to embark on intense and field-based professional coursework. In addition, courses required for licensure cannot be taken for the credit/no credit and/or pass/fail option.

Candidacy

Students in good standing may obtain an application for candidacy to the Elementary Education concentration in the semester during which they complete the Urban Education core curriculum requirements. In addition to remaining in good standing, students who wish to become candidates in the Elementary Education concentration must:

- complete 50 service learning hours working with a diverse group of students in an urban educational setting;
- maintain both a minimum cumulative GPA of 2.50/4.00 and a GPA of 2.50/4.00 across eight courses in core content areas (English, mathematics, science, and social studies) at the time of application. Courses, including courses in the content areas, in which a student receives a grade lower than a C will not be applied to the licensure requirements.
- complete preprofessional trainings and approval processes for entry into fieldwork-based courses and practica.

Once a student is accepted for candidacy in the EE concentration, s/he formally becomes a candidate for teacher licensure.

Student Teaching—Senior Year

In order to qualify for entry into student teaching, a Teacher Candidate (TC) must maintain an overall GPA of 2.50/4.00 and a minimum 3.00/4.00 for professional education courses. Courses in which a student receives a grade lower than a C will not be applied to licensure requirements. Required courses cannot be taken for the credit/no credit and/or pass/fail option. Students must also pass the Illinois State Content Test in their area of endorsement prior to student teaching. TCs will student teach in the senior year. The TC should have completed all fieldwork leading to student teaching with satisfactory progress. TCs will conduct all of their student teaching practica in urban sites with which program faculty have had long-standing partnerships. In these partnerships, program faculty have identified school leaders and teachers who have a deep understanding and commitment to the families and communities that they serve.

Degree Program

- BA in Urban Education (p. 213)

BA in Urban Education

Program Codes:
20FP5252BA

Degree Requirements

In the first two years of study, students in the BA in Urban Education program will take the Urban Education Core Curriculum. This curriculum is characterized by the following:

- completion of the campus General Education course requirements which focus on a broad liberal arts education.
- requirements of the Grade 1-6 Professional Educator License (PEL) through the Illinois State Board of Education (ISBE) and completion of course requirements for the subsequent Early Childhood education (Birth to 2nd)
- completion of a set of foundational courses in professional education.

Semester Hour Requirements

Code	Title	Hours
Summary of Requirements		
Core Curriculum Requirements		60
Elementary Education Course Requirements		60
Total Hours		**120**

Core Curriculum Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3

Note: The number of semester hours required depends on the area of endorsement. ISBE requires students interested in obtaining additional endorsements to take specific endorsement courses. Students must meet with a program advisor for a list of required courses.

Student Teaching Requirement

Student teaching is completed in a linked-placement structure across both semesters of the senior year, with official student teaching occurring in the spring semester of students' last year. Minimum requirements for student teaching include senior standing; 3.00/4.00 GPA in the professional coursework; a grade of C or higher in all coursework required for licensure (courses taken for a credit/no credit option are not applicable towards licensure); satisfactory completion of fieldwork as assessed by university field instructors with input from school mentor teachers. Furthermore, it is required that students meet the following additional criteria: approval of the program faculty through review of performance according to the GPA; commitment to the Council of Education (CTE) Conceptual Framework; development of their Teaching Portfolio; and the passing of any required state tests. Urban Education candidates should also consult the State Teacher Licensure section below.

Courses to be completed successfully prior to student teaching include the following:

Code	Title	Hours
Required Courses		
University General Education		
ED 100	Introduction to Urban Education	
CI 401	Methods of Reading: Early Literacy in Urban Classrooms	
ED 307	Nature and Practices of Natural Sciences	
CI 402	Reading and Writing in the Content Areas: Intermediate Literacy in Urban Classrooms	
CI 403	Literacy in the Disciplines: Adolescent Literacy in Urban Classrooms	
CI 404	Teaching and Learning Mathematics in the Urban Classroom	
CI 405	Teaching and Learning Science in the Urban Classroom	
CI 406	Teaching and Learning Social Sciences in the Urban Classroom	
CI 470	Language, Culture, and Learning in Urban Classrooms	
ED 316	Teacher Development I: Curating Teacher Agency in Comparative Contexts	
ED 317	Teacher Development II: Curating Teacher Identity in Urban Classrooms	
ED 350	Introduction to Urban Communities and Schools: Fieldwork I	
ED 351	Becoming a Culturally Responsive Educator in the Urban Classroom: Fieldwork II	
EPSY 255	Child Development in Contemporary Society	
EPSY 326	Child Health, Safety, and Nutrition	
EPSY 382	Child, Family, and Community	
SPED 416	Methods of Instruction for Exceptional Learners	

State Teacher Licensure

The curricula for the preparation of elementary and secondary school teachers as listed in this catalog have been approved by the Illinois Board of Higher Education, the Higher Learning Commission, the Illinois State Board of Education, and the university.

Council on Teacher Education

The Council on Teacher Education is responsible for supporting licensure students and coordinating teacher education programs throughout the University of Illinois Chicago, and for maintaining relationships with the Illinois State Board of Education.

Decisions about licensure are a joint effort of a candidate's program, the Council on Teacher Education (CTE), and the Illinois State Board of Education (ISBE). The program coordinator and program faculty have the main responsibility for ensuring that candidates are prepared to become teachers and are, thus, entitled to apply for licensure. They approve qualifications before the CTE begins its process of evaluation. The CTE's licensure officer entitles an individual to apply for a license at the state level. The CTE checks that candidates have met state requirements, such as passing the required state-level tests and completing the course, assessment, and grade requirements stipulated by the program as addressing state objectives. ISBE makes the final decision about whether or not a candidate receives licensure based upon the information it receives from the institution and a candidate's application.

State Examinations

Prior to entitlement to licensure, the candidate must complete state examinations required by the Illinois State Board of Education.

Illinois Content Area Tests are state requirements for all endorsements, and are passed in progression to student teaching. These tests are administered and monitored by the State of Illinois. The candidate is responsible for meeting these requirements. See the ISBE information posted by the Council on Teacher Education regarding timelines for submitting passing scores.

Program Pass Rates

In accordance with the public disclosure requirements of Title II of the Higher Education Act, the University of Illinois Chicago reports that teacher education program completers scored as required on these two assessments required by the state for teacher licensure. During the 2017–2018 academic year, UIC program completers had a 100% pass rate on licensure exam requirements, as the statewide pass rate on required assessments was 100%.

Student Teaching

All teacher candidates (TCs) must submit applications for approval to student teach in and through the Chicago Public Schools. This approval process includes a background check (Illinois State Police and FBI). In order to student teach, TCs must submit student teaching application materials through both the CTE and the Chicago Public Schools. The CTE application process includes documentation of passed state requirements. In order to student teach within the Chicago Public Schools, TCs must subsequently complete a separate CPS registration packet, which includes additional vetting and criminal background checking. TCs are expected to bear the expense of all TB tests and

b *Students who are interested in pursuing subsequent endorsement(s) are required to register for specific coursework that leads to those endorsements. Subsequent endorsements will require additional hours and time to complete the degree.*

Department of Educational Psychology

Contact Information:
Campus Location: 3343 Education, Theater, Music, and Social Work (ETMSW)
(312) 996-5650
education.uic.edu/academics/programs/human-development-learning/

Administration:
Department Chair, Dr. Michael Thomas
Program Coordinator, Dr. Bernadette Sánchez

The undergraduate program of the Department of Educational Psychology, the Bachelor of Arts in Human Development and Learning (HDL) focuses on the natural intersectionality of human development and learning and the importance of understanding these processes as embedded in social structures, contexts, and diverse cultures.

BA in Human Development and Learning

The BA in Human Development and Learning (HDL) is appropriate for students who have an interest working with individuals from infancy to adulthood and from diverse groups and/or communities. In addition, the program has an emphasis on preparing graduates with the ability to create optimal conditions for learning and development in a variety of formal and informal educational environments.

The BA in Human Development and Learning program grounds students in the theory and research that will enable them to work with individuals from diverse backgrounds and in a variety of formal and informal learning contexts and educational environments. Human development and human learning are complex and inter-related phenomena that are embedded within particular social, historical, and cultural contexts that not only shape and direct the course of learning and development, but are linked to an individual's overall success, achievement, productivity, and ability to thrive.

This undergraduate program equips graduates with the skills and knowledge necessary to work in and design effective and high quality informal learning environments and programs that take into account how diverse individuals learn and how that learning is impacted by developmental changes in key areas such as cognition, identity, and language. HDL graduates will have a deep understanding of how biological, contextual, institutional, structural and cultural factors affect individuals' developmental trajectories and the implications of this for working with people in a variety of contexts. Whether students are interested in working with young children, adolescents, or adults, the BA degree in Human Development and Learning will prepare them for a career that involves working with people to ensure their optimal development and learning.

Admissions Requirements for First Year Students

The BA in Human Development and Learning program has adopted the university's admissions requirements as listed in the Admissions (p. 37) section of the catalog under First Year Applicant and adheres to the campus policy on transfer students.

Degree Program

- BA in Human Development and Learning (p. 217)

Minor

- Minor in Instructional Design and Training (p. 221)

BA in Human Development and Learning

Program Codes:
20FP5485BA

Degree Requirements

To earn a Bachelor of Arts in Human Development and Learning from UIC, students must complete university, college, and department degree requirements. The Department of Educational Psychology requirements are outlined below. Students should consult the College of Education (p. 207) section for additional degree requirements and college academic policies.

HDL students choose at least one focus area to guide their course of study or an optional concentration to guide their course of study. In addition to HDL concentrations, HDL students can also earn a university minor or credentials from an external accrediting institution to prepare students for specific careers. Additional information is available on the College of Education focus areas and credentials page.

Students can earn up to two optional concentrations in HDL subdomains of interest. Four concentrations are available to students and appear on the student's transcript when earned:

1. Early Childhood
2. Family Studies
3. Learning Design and Technology
4. Youth Development

Courses appearing in concentration requirements may be used for HDL electives and core program requirement categories, when applicable. Students can refer to the specific program requirements for lists of required courses.

Code	Title	Hours
Summary of Requirements		
General Education Core and Elective Courses		70-73
Human Development and Learning Core Requirement Courses		47-50
Total Hours		**120**

General Education Core and Elective Courses

Code	Title	Hours
Required Courses		
Analyzing the Natural World course [a]		3-5
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3

Social Emotional Development and Learning	
EPSY 320	Understanding Children's Social Development & Socialization in an Urban Context [a,b]
PSCH/ED 424	Social and Emotional Learning: Research, Practice, and Policy
Language Development, Language Acquisition and Learning	
ED 258	Language Development and Learning in a Diverse Society [c]
EPSY/SPED 466	Language Development, Diversity, and Disabilities [a]
Self Process and Identity Development	
EPSY 340	Self and Identity Development Across the Lifespan
Physical Development	
EPSY 242	Introduction to Sexuality Development Across the Lifespan [d]
EPSY 326	Child Health, Safety, and Nutrition [a,e]
EPSY 426	Development, Health and Wellness: Conception to age 8 [e]
Total Hours	**6**

a *EPSY 320, EPSY 466/SPED 466, and EPSY 326 can be taken to fulfill requirements in the Early Childhood concentration.*
b *EPSY 320 can be taken to fulfill requirements in the Youth Development concentration.*
c *ED 258 is approved for the following General Education categories: Understanding the Individual and Society and Understanding U.S. Society.*
d *EPSY 242 is approved for the Understanding the Individual and Society General Education category.*
e *EPSY 326 and EPSY 426 can be taken to fulfill requirements in the Family Studies concentration.*

Code	Title	Hours
Diverse Populations and Learning Contexts—Required Courses		
Diverse Populations		
Students must take a minimum of 3 hours focused on the psychosocial development, learning, health, and/or well# being of diverse individuals and/or families or focused on the ways that issues such as race/ethnicity, class, gender, sexual orientation, ability, or culture affect learning and development of individuals. This course is an elective but must be approved by an advisor. Courses can be chosen from within the College of Education or across the university. Examples include but are not limited to the following:		3-4
ED 205	Introduction to Race, Ethnicity, and Education [a]	
ED 222	Introduction to Gender, Sexuality, and Education [a]	
EPSY 242	Introduction to Sexuality Development Across the Lifespan	
EPSY 320	Understanding Children's Social Development & Socialization in an Urban Context [b,c]	
EPSY 374	Observation, Curriculum, and Learning Environments for Very Young Children	
EPSY 383	Critical Perspectives in Latinx Human Development	
EPSY 420	Advanced Social Development of Children in an Urban Context	
EPSY 424	Family Diversity and Film: A Resilience Framework [d]	
SPED/EPSY 466	Language Development, Diversity, and Disabilities [b]	
SPED/EPSY 467	Understanding Students With Low Incidence Disabilities	
Learning Contexts		
Students must take one course specifically focused on learning and development in context. Select one of the following or an approved equivalent course:		3-4
ED 445	Adolescence and the Schools [c]	
EDPS 480	Youth Culture Community Organizing and Education	
EPSY 414	Developing Programs For Youth [c]	
EPSY 370	ECE and Curriculum [b]	
EPSY 382	Child, Family, and Community [d]	
EPSY 415	Fieldwork in Human Development and Learning in Urban Contexts	
EPSY 424	Family Diversity and Film: A Resilience Framework [d]	
SPED 461	Political and Socio-Cultural Perspectives on Special Education	
EPSY 371	Human Development and Learning in the Context of Institutions	
EPSY 471	Facilitating Healthy Development in the Context of Trauma	
Total Hours		**6-8**

a *ED 205 and ED 222 are approved for the following General Education categories: Understanding the Individual and Society and Understanding U.S. Society.*
b *EPSY 320, EPSY 370, and SPED 466/EPSY 466 can be taken to fulfill requirements in the Early Childhood concentration.*
c *ED 445, EPSY 320, and EPSY 414 can be taken to fulfill requirements for the Youth Development concentration.*
d *EPSY 382 and EPSY 424 can be taken to fulfill requirements of the Family Studies concentration.*

Code	Title	Hours
Human Development and Learning Electives		
Choose from any advanced#level Educational Psychology course offerings; ED 421, ED 422, ED 445; or related disciplines at the 300 or 400 level in consultation with an academic advisor. Examples include but are not limited to: [a]		9
EPSY 320	Understanding Children's Social Development & Socialization in an Urban Context [a,b]	
EPSY 370	ECE and Curriculum [b]	
EPSY 371	Human Development and Learning in the Context of Institutions	

support spaces, programs, and organizations that facilitate health youth development. Minimum semester hours: 9

Code	Title	Hours
Required Courses		
EPSY 414	Developing Programs For Youth	3
Select two courses from the following list:		6
EPSY 320	Understanding Children's Social Development & Socialization in an Urban Context	
EPSY 416	Systematic Approaches to Program Quality	
ED 445	Adolescence and the Schools	
EPSY 446	Characteristics of Early Adolescence	
EPSY 461	Seminar and Fieldwork in Human Development and Learning	
Total Hours		**9**

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts [a]	3
EPSY 100	Introduction to Human Development and Learning	3
DLG 120	UIC First-Year Dialogue Seminar	1
EPSY 150	Human Development and Learning Academic Success	2
General Education Requirement course - Understanding the Individual and Society		3
Elective		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research [a]	3
ED 135	Child and Youth Policies in Urban America [b]	3
EPSY 210	Principles of Learning and Instruction Across the Lifespan	3
General Education Requirement course - Understanding Creative Arts		3
Elective		3
	Hours	**15**
Second Year		
Fall Semester		
EPSY 255 or EPSY 256 or EPSY 257	Child Development in Contemporary Society or Adolescent and Early Adulthood Development in Contemporary Society or Adult Development and Aging in Contemporary Society	3
Diverse Populations Elective		3
General Education Requirement course - Understanding U.S. Society		3
General Education Requirement course - Understanding the Past		3
Quantitative Reasoning course		3
	Hours	**15**
Spring Semester		
EPSY 255 or EPSY 256 or EPSY 257	Child Development in Contemporary Society or Adolescent and Early Adulthood Development in Contemporary Society or Adult Development and Aging in Contemporary Society	3
General Education Requirement course - Exploring World Cultures		3
General Education Requirement course - Analyzing the Natural World		3
Elective		3
Elective		3
	Hours	**15**
Third Year		
Fall Semester		
Domain of Development and Learning Across the Lifespan Selective		3
Human Development and Learning Elective (300- or 400-level EPSY course approved by advisor)		3
EPSY 255 or EPSY 256 or EPSY 257	Child Development in Contemporary Society or Adolescent and Early Adulthood Development in Contemporary Society or Adult Development and Aging in Contemporary Society	3
Elective		3
Elective		3
	Hours	**15**
Spring Semester		
EPSY 363	Understanding and Applying Research in Human Development	3
Human Development and Learning Elective (300- or 400-level EPSY course approved by advisor)		3
Domains of Development and Learning Across the Lifespan Selective		3
Elective		3
Elective		3
	Hours	**15**
Fourth Year		
Fall Semester		
Learning Context Selective		3
Human Development and Learning Elective (300- or 400-level EPSY course approved by advisor)		3
Elective		3
Elective		3
Elective		3
	Hours	**15**
Spring Semester		
Elective		3
Elective		3
Elective		3
Elective		3
Elective		3
	Hours	**15**
	Total Hours	**120**

Note: Electives must be selected in consultation with an advisor in the College of Education. Electives taken in the junior and senior year must be at the 300 level or above.

Minor in Instructional Design and Training

Requirements for the Minor

The Minor in Instructional Design and Training (IDT) is open to majors from other units and colleges, and majors within the College of Education. Students will be admitted to the IDT minor if they meet the minimum GPA of 2.00/4.00 at the time of application. Students are encouraged to consult their home colleges about acceptability and applicability of IDT course credit toward their degree. Please check the IDT website for more information about admission to the IDT minor and the procedure for declaring a minor on a student transcript.

A GPA of 2.50/4.00 is required in courses taken towards the minor.

to students. Area corporate partnerships support co-op and internship experiences that are tailored to individual student needs.

Educational Objectives

The UIC College of Engineering offers undergraduate and graduate students opportunities to join faculty in cutting-edge research. In the classroom, students become familiar with the fundamental mathematical and scientific principles that are common to engineering and computer science disciplines, and they learn to apply these principles to current engineering and computer science problems of analysis, design, and experimentation. Through individual and group projects, students make use of current techniques, instruments, equipment, and computers, and gain proficiency in communicating the results of their work. Study in other disciplines provides students with an understanding of the professional ethical responsibilities of practicing engineers. Students also have the opportunity to participate in a number of the many on-campus student chapters of national engineering professional organizations as a way to supplement their classroom experiences.

In the first two years, each student will be required to complete courses in mathematics, chemistry and physics (or other science requirements, for computer science majors), and University Writing. Beginning in the second year, the student will start coursework in a particular major that represents the technical phase of the student's academic career and constitutes a cohesive program of advanced work in a chosen field. Although the coursework in the major becomes progressively specialized in the junior and senior years, each student is also required to take engineering or computer science courses outside of his or her chosen field.

A student must also complete coursework in the general fields of humanities and social sciences. Because engineers and computer scientists are no longer narrow specialists, they must recognize the effects of their work on the general welfare of society. The humanities/social sciences phase of their education helps them to become serious contributors to the quality of life. Requirements for the degrees often include free electives that introduce flexibility into the curricula.

Accreditation

Nine undergraduate degree programs of the College of Engineering are accredited by the

Accreditation Board for Engineering and Technology (ABET)

415 North Charles Street
Baltimore, Maryland 21201
(410) 347-7700
http://www.abet.org

Those programs receiving approval by the Engineering Accreditation Commission (EAC) of ABET include biomedical engineering, chemical engineering, civil engineering, computer engineering, electrical engineering, engineering physics, industrial engineering, and mechanical engineering. The Computing Accreditation Commission (CAC) of ABET has accredited the program in computer science. Accreditation has not been sought for the interdisciplinary program in engineering management.

Degree Requirements

To earn a BS degree from the College of Engineering at UIC, students need to complete university, college, and department degree requirements. University and college degree requirements for all College of Engineering students are outlined below. Students should consult their department section for additional degree requirements.

Semester Hour Requirement

Major	School	Degree Conferred	Total Hours
Biomedical Engineering	Biomedical Engineering	BS in Biomedical Engineering	128
Chemical Engineering	Chemical Engineering	BS in Chemical Engineering	128
Civil Engineering	Civil, Materials, and Environmental Engineering	BS in Civil Engineering	128
Computer Engineering	Electrical and Computer Engineering	BS in Computer Engineering	128
Computer Science	Computer Science	BS in Computer Science	128
Computer Science and Design	Computer Science	BS in Computer Science and Design	122
Data Science	Computer Science	BS in Data Science	120
Electrical Engineering	Electrical and Computer Engineering	BS in Electrical Engineering	128
Engineering Management[a]	Mechanical and Industrial Engineering	BS in Engineering Management	128
Engineering Physics[b]	Electrical and Computer Engineering	BS in Engineering Physics	128
Environmental Engineering	Civil, Materials, and Environmental Engineering	BS in Environmental Engineering	128
Industrial Engineering	Mechanical and Industrial Engineering	BS in Industrial Engineering	128
Mechanical Engineering	Mechanical and Industrial Engineering	BS in Mechanical Engineering	128

a *Offered jointly with the College of Business Administration.*
b *Offered jointly with the Department of Physics in the College of Liberal Arts and Sciences.*

Course Requirements

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society

Springfield campuses of the University of Illinois cannot be used to satisfy this requirement. Credit earned through proficiency examinations, including credit earned through the College Level Examination Program (CLEP), UIC extension courses, and Urbana-Champaign correspondence courses does not apply toward nor interrupt the enrollment residence requirement.

Transfer Credit Limitations

The College of Engineering requires that of the 120 -128 semester hours needed for the degree, at least 60 semester hours must be taken at UIC or another accredited four-year institution; the university enrollment residence requirement (see above) must also be satisfied. For most transfer students, these requirements mean that additional transfer credits from junior (or community) colleges are severely restricted or not permitted.

Upper-division (300- and 400-level) courses in ABET-accredited engineering, computer science, and data science majors can be transferred only from other ABET-accredited engineering or computer science programs. This limits transfer of credits from junior colleges, U.S. vocational or technology programs, and overseas programs to lower-division (100- and 200-level) courses.

All transferable courses must have a grade of C or better in order to be considered for credit toward a degree in the College of Engineering.

Transfer Credit for Continuing Students

Continuing students planning to take non-UIC courses must get prior approval from the College of Engineering.

Military Science Credits Toward the Degree

The College of Engineering applies earned credits in Military Science courses as elective credit in accordance with UIC policy.

College Policies

Academic Load

During the fall and spring semesters, a full-time program is 12 to 18 semester hours. More than 18 semester hours is considered an overload and students must seek approval by filing a petition form from the College of Engineering Student Resource page. For Summer Session 1 (Four-Week) and Summer Session 2 (Eight-Week), UIC considers a total aggregate of 6 semester hours as the minimum number necessary to constitute full-time enrollment. Students seeking to take more than 9 semester hours during the summer should file a petition in 123 SEO.

Academic Notice and Dismissal Rules

Term Notice Rules

Any student whose grade point average for any term falls below 2.00/4.00 but whose UIC cumulative grade point average is above 2.00 will be placed on Term Notice for the following term. The student will return to clear status if a grade point average of at least 2.00 is earned without any grade less than C in the following term.

Academic Notice Rules

Any student whose UIC cumulative grade point average falls below 2.00/4.00 is placed on Academic Notice. A student on Academic Notice is required to earn at least one B and no grade less than a C in each ensuing term until both the UIC cumulative grade point average and the total cumulative grade point average are above 2.00/4.00.

Dismissal Rules

1. A student on academic notice who does not meet the academic requirements will be dismissed from the university.
2. A student who fails to make progress toward a degree may be dismissed. Examples of failure to make progress include excessive term deficit points,[a] failure to complete required courses, accumulation of excessive number of Incomplete (I) grades, failure to earn credit in any semester, and failure to maintain a 2.00 average in the major discipline.
3. A student may be readmitted after the first dismissal with a petition and presentation of above-satisfactory performance in college-level courses taken outside of UIC. The non-UIC work evaluated for readmission may or may not apply towards a UIC degree. However, only in rare cases, a student will be readmitted after the second dismissal.

a *Credit-hour weighted sum of following values: A=+2, B=+1, C=0, D=-1, F=-2.*

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of four UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program. College of Engineering students must submit a Late Drop Petition Form on the College of Engineering Student Resource page.

A student who wishes to drop all courses must withdraw from the university by completing a special form and submitting it to the College Office, 123 SEO, by the end of the last business day before final examinations. The grades of W for all courses in the term withdrawn do not count towards the maximum of four allowed late course drops. Student can register normally in the next term.

Changes within a Major

Changes within degree programs are handled through petitions. A General Engineering Petition or Petition for Modification of Major is required when a student wishes to change contents of a major. College of Engineering students can submit petitions though the College of Engineering Student Resource page.

Class Attendance

In case of excessive absences, the course instructor may recommend to the college that a student be dropped from the course. Adverse consequences of such involuntary course drop must be weighed against high probability of failure in the course. Moreover, such involuntary

- By presenting evidence of secondary education completed in a country where the language of instruction was other than English. No elementary- or intermediate-level course or proficiency credit will be given for that language. The language requirement, however, will be considered fulfilled only if the student consults a dean for application of this rule and receives conditional approval.
- By demonstrating proficiency in American Sign Language via transferring credit for a full or partial sequence of approved courses from an accredited U.S. college or university, as determined by the results of a placement test or placement by a language department. Courses must include the study of deaf culture.

Retroactive Credits in Foreign Language

A student who has placed into the 104 or higher level of a foreign language taught at UIC as the result of the UIC administered placement tests may receive academic proficiency credits for prerequisite courses.

- Placement into the 104-level provides four hours of proficiency credit for the 103-level course if the student completes the 104-level course with a grade of B or higher.
- Placement into the final course in a heritage language sequence will provide four hours of credit for the prerequisite course if the student completes the course with a B or higher.
- Placement at the 200-level provides four hours of proficiency credit for the 103-level course and four hours of proficiency credit for the 104-level course if the student completes the 200-level course with a grade of B or higher. The same provision applies to heritage language course placement except that proficiency credit is awarded for the two previous prerequisite heritage courses.
- These credits are awarded only for courses taught at UIC and only based on new student placement test results for those with no prior college-level foreign language credits. Retroactive credit may be applied for a single student for more than one language sequence.
- Proficiency credits appear as PS on the transcript and are not calculated into the grade point average. Proficiency credit does not apply to placements based on AP or IB scores for which credits are applied in a prescribed manner. CLEP credits are not accepted for foreign language courses.
- Proficiency credit is not awarded for a 104-level course if a student has transfer, AP, or IB credit for a 103-level course, and then places into and receives an A or B in a 200-level course at UIC.
- Students are eligible for proficiency credits in a language that they have not previously earned credit in, even if they have previously taken course(s) in another foreign language. For example, if a student has earned credit in Polish, but now wants to study Chinese and places into CHIN 104, they could be eligible for proficiency credit in CHIN 103, if they take and pass CHIN 104 with a grade of B or higher.
- Native speakers of a foreign language, including international students, are eligible to earn retroactive foreign language credits.
- Students to whom this section applies must initiate the request for the credits by submitting a general petition to COE by using the online petition forms.

Graduate-Level Courses for Undergraduate Credit

Many 400-level courses are part of required or elective courses. Students need special permission from the college to take 500-level courses.

Proficiency Examinations

Students with nontransferable college-level credits in Academic Writing, mathematics, sciences, and computer programming may earn credits through proficiency examinations, if such examinations are allowed by the departments offering these courses.

Registration Approval

All incoming freshmen and transfer students need approval of a college advisor before registration for courses. Such approval is typically obtained during the orientation visit to the campus. All continuing students need approval from their faculty advisor before registering for courses.

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. Some colleges require students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A or B grades may not be repeated. Normally, courses with a C grade may not be repeated. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the transcript. The original grade and grade for each repeat will be calculated into the grade point average. Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

To repeat a course more than once requires written permission from the student's college dean. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should consult their college before repeating a course.

Undergraduate Grade Point Average Recalculation Policy

- Colleges may elect to implement this policy as early as the end of the junior year, or as late as the final semester during degree certification.
- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The semester hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree seeking students.

Admission to an Engineering Minor

Admission to a minor in the College of Engineering will not be approved for any student if there is substantial course overlap between the proposed minor and the student's major. Engineering students who are interested in completing an engineering minor must submit a petition at the College of Engineering Student Resource page.

Engineering Minors for Nonengineering Students

Nonengineering students will be allowed to complete minor areas of study within engineering if they meet the transfer eligibility criteria at the time of application and so long as space permits. Students must submit a petition at the College of Engineering Student Resource page and obtain approval. Nonengineering students must also consult their home colleges about the acceptability and applicability of engineering course credits toward their degrees. Most engineering classes are closed to nonengineering students; those students with approved minors must submit petitions to the college office at the beginning of the term to register for engineering courses needed.

Minor Areas Outside of Engineering for Engineering Students

Engineering majors may complete one or more minors offered by other UIC colleges. Successful completion of a minor outside the College of Engineering will be acknowledged on an engineering student's transcript if certification of completion of the minor is received from the other college by applicable deadlines for the term of graduation. Engineering students must submit a petition at the College of Engineering Student Resource page and obtain approval before petitioning to another college. Minors will be approved by the College of Engineering if the requirements for the minor, as defined by the nonengineering department offering the minor, are satisfied. The request for the minor must be approved by both colleges.

Area of Concentration

Some College of Engineering majors offer areas of concentration within the majors by prescribing some or all of technical, nonmajor, and free electives. Completion of an area of concentration is noted on the transcript. On the other hand, engineering minors offer students the opportunity to study an engineering discipline outside of the major; minors generally require additional coursework to meet prerequisite and course requirements. Minors are also noted on the transcripts.

Academic Advising

Contact the College Office, 123 SEO, for the names of college advisors and departmental offices for faculty advisors.

Advising Policy

Faculty advisors are available to assist students with the selection of courses after the first term. Students declare a major when they enter the university and are assigned a faculty advisor by the appropriate department. In addition, the College Office for Undergraduate Administration on the first floor of SEO advises newly admitted freshman and transfer students, seniors contemplating graduation, and students facing academic or other difficulties. All continuing students should take advantage of advance advising and advance registration periods to ensure that they can get into the classes of their choice.

Academic Honors

University Honors

At graduation, students are awarded University Honors for academic distinction. Such honors are designated on the diplomas as Cum laude, Magna cum laude, or Summa cum laude. The minimum cumulative grade point average needed to qualify for University Honors is 3.50/4.00 in all UIC coursework.

Cum Laude is awarded to a student who earns at least a 3.50 cumulative grade point average; Magna cum laude is awarded to a student who earns at least a 3.75 cumulative grade point average; Summa cum laude is awarded to a student who earns at least a 3.90 cumulative grade point average. The grades for military science courses are excluded unless a student completes the four-year military science program, in which case 5 semester hours of advanced credit are included in the determination of averages for University Honors.

The Bell Honors Award is given in recognition of attaining the highest grade point average in each graduating class. At the Engineering Convocation, award recipients are recognized and given a certificate acknowledging their scholastic attainments.

Dean's List

Exceptional academic achievement in the College Engineering is recognized each term by inclusion on the Dean's List. Eligibility is based on a 3.50/4.00 term GPA with a minimum program of 12 semester hours applicable towards the overall degree, exclusive of basic military science and basic activity courses in physical education. At least 9 semester hours must be earned for letter grades, in addition to a grade of Credit earned in any course taken on a credit/no credit basis.

Special Programs and Opportunities

Engineering Career Center (ECC)

UIC Engineering students benefit from a team of full-time staff whose primary goal—and area of expertise—is connecting students with rewarding positions in engineering. The Engineering Career Center organizes opportunities for students to meet with employers, and it provides one-on-one guidance across the spectrum of the career-search process, from applying to interviewing to negotiating a salary.

Equity and Inclusion in Engineering Program (EIEP)

UIC's Equity and Inclusion in Engineering Program has played a key role in providing academic and professional development services to students for more than 30 years. The EIEP serves students across all backgrounds, but a central part of the mission is to support underrepresented Black, Latinx, and Native American students in their pursuit of engineering and computer science degrees.

Women in Engineering Programs (WIEP)

Through a variety of programming, academic advising, scholarship opportunities, and student organizations, WIEP promotes and encourages the success of all students in the College of Engineering.

WIEP also leads efforts in the recruitment and retention of female students in the College of Engineering which includes the implementation of K-12 outreach programs. In partnership with all engineering departments and support/success units on campus, programs strive to increase the percentage of female engineering graduates and ensure

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
CHEM 122	Matter and Energy [b]	3
CHEM 123	Foundations of Chemical Inquiry I [a,b]	2
CHEM 124	Chemical Dynamics [b]	3
CHEM 125	Foundations of Chemical Inquiry II [a,b]	2
PHYS 141	General Physics I (Mechanics) [a]	4
PHYS 142	General Physics II (Electricity and Magnetism) (Electricity and Magnetism) [a]	4
MATH 180	Calculus I [a]	4
MATH 181	Calculus II [a]	4
MATH 210	Calculus III [a]	3
MATH 220	Introduction to Differential Equations	3
MATH 310	Applied Linear Algebra	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [c]		3
Understanding the Creative Arts course [c]		3
Understanding the Individual and Society course [c]		4
Understanding the Past course [c]		3
Understanding U.S. Society course [c]		3
BIOS 110	Biology of Cells and Organisms [a]	4
Select one of the following:		3-4
BIOS 220	Genetics	
BIOS 222	Cell Biology	
BIOS 286	The Biology of the Brain	
BIOS 340	Environmental Physiology	
CHEM 232	Structure and Function	
Total Hours		**64-65**

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

b *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

c *Students should consult the* General Education *(p. 83) section of the catalog for a list of courses in this category. One of these General Education courses should be 4 hours to reach the total required nonengineering and General Education hours.*

Required Engineering Courses

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1
BME 101	Introduction to Biomedical Engineering	3
BME 102	Biomedical Engineering Freshman Seminar	1
CS 109	Programming for Engineers with MatLab	3
BME 205	Biomedical Engineering Thermodynamics	3
ECE 210	Electrical Circuit Analysis	3
BME 240	Modeling Physiological Data and Systems	3
BME 250	Clinical Problems in Biomedical Engineering	3
CME 260	Properties of Materials	3
BME 325	Biotransport	3
BME 310	Biological Systems Analysis	3
BME 332	Bioinstrumentation and Measurements I	3
BME 333	Bioinstrumentation and Measurement Laboratory I	2
BME 339	Biostatistics I	3
BME 396	Senior Design I	3
BME 397	Senior Design II	3
BME 399	Professional Development for Biomedical Engineers	0
BME 460	Materials in Biomedical Engineering	3
Total Hours		**45**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

Selective Engineering Courses

Code	Title	Hours
Required Courses		
Select one of the following biomedical product development courses:		2-3
BME 402	Medical Technology Assessment	
BME 403	Quality Assurance for Medical Products	
BME 408	Medical Product Development	
BME 410	FDA and ISO Requirements for the Development and Manufacturing of Medical Devices	
Select one of the following capstone lecture courses:		3
BME 421	Biomedical Imaging	
BME 455	Introduction to Cell and Tissue Engineering	
BME 475	Neural Engineering I: Introduction to Hybrid Neural Systems	
BME 480	Intro to Bioinformatics	
Select one of the following capstone lab courses: [a]		2
BME 423	Biomedical Imaging Laboratory	
BME 456	Cell & Tissue Laboratory	
BME 476	Neural Engineering I Laboratory	
BME 481	Bioinformatics Laboratory	
Total Hours		**7-8**

a *Students must select a pair of capstone lecture and lab courses (BME 455/BME 456, BME 475/BME 476, BME 480/BME 481, BME 421/BME 423) as part of the requirements to complete a Biomedical Engineering Concentration Area.*

MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics)	4
PHYS 142	General Physics II (Electricity and Magnetism)	4
Total Hours		**26**

Code	Title	Hours
Required Courses		
BME 101	Introduction to Biomedical Engineering	3
BME 240	Modeling Physiological Data and Systems	3
Select one of the following (prerequisites vary):		3
BME 332	Bioinstrumentation and Measurements I	
BME 339	Biostatistics I	
BME 415	Biomechanics	
BME 421	Biomedical Imaging	
BME 455	Introduction to Cell and Tissue Engineering	
BME 460	Materials in Biomedical Engineering	
BME 475	Neural Engineering I: Introduction to Hybrid Neural Systems	
BME 480	Intro to Bioinformatics	
Three additional hours of BME courses, which may be chosen from the list above (additional prerequisites may apply)		3
Total Hours		**12**

Department of Chemical Engineering

Contact Information:
Campus Location: 629 Engineering Innovation Building (EIB)
(312) 996-3424
emarti59@uic.edu
www.che.uic.edu

Administration:
Head, Dr. Vikas Berry, vikasb@uic.edu
Director of Graduate Studies, Dr. Ying Liu, liuying@uic.edu
Director of Undergraduate Studies, Dr. Alan D. Zdunek, zdunek@uic.edu

Student Services: Undergraduate Program/Student Advisor, Eduardo Martinez, emarti59@uic.edu
Academic Advisors: Professors Achinivu, Berry, Bilgin, Caracotsios, Chaplin, Dandu, Kim, Liu, Mehraeen, Ngo, Sharma, Singh, Torabi, Wedgewood, and Zdunek

In the Chemical Engineering curriculum, students learn to apply chemistry, physics, and mathematics to the industrial-scale design and production of materials and chemicals. This includes petroleum products, polymers, biomaterials, pharmaceuticals, electronics, consumer products, and foods. This program also explores chemical engineering applications in developing processes for carbon-capture, sustainable engineering, plastics recycling, environmental protection, water treatment, reducing global warming gases, the creation of alternative energy sources such as batteries, fuel cells and biofuels from biomass, energy storage, and other frontiers, such as biotechnology, nanoparticle drug delivery, molecular engineering, nanotechnology, molecular simulation, and machine learning.

The BS in Chemical Engineering program offers expertise in a wide variety of areas, including energy and the environment, molecular engineering, nanotechnology, electrochemistry, complex fluid flow, process design, process control and process simulation, biochemical engineering, and entrepreneurship. Students may use elective courses to specialize in these and other areas. The program's goal is to prepare students for careers in industry or government, and for further study at the graduate level. As the only chemical engineering department at a public university in the Chicago metropolitan area, this program provides unique opportunities for students to interact with industry mentors during their senior capstone design projects and with world-class industries through undergraduate seminars and events, research projects, and internship programs.

Accreditation

The Chemical engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET

Degree Programs

- BS in Chemical Engineering (p. 233)
- Joint BS in Chemical Engineering/MS in Chemical Engineering (p. 237)

Minor

- Minor in Chemical Engineering (p. 238)

BS in Chemical Engineering

Program Codes:
20FQ0300BS

Degree Requirements

To earn a Bachelor of Science in Chemical Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Chemical Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		68
Required in the College of Engineering		51
Selective		3
Technical Elective [a]		3
Electives outside the Major Rubric [a]		3
Total Hours		**128**

a *Students in the Biochemical Engineering Concentration take a minimum of 8 hours of electives and 130 hours for the degree; see below.*

CHE 451	Renewable Energy Technologies	
CHE 453	Fundamentals of Electrochemistry	
CHE 454	Molecular and Macromolecular Engineering	
CHE 455	Nanoscale Systems in Chemical Engineering	
CHE 456	Fundamentals and Design of Microelectronics Processes	
CHE 457	Colloidal and Interfacial Phenomena	
CHE 494	Selected Topics in Chemical Engineering	
Total Hours		**3**

a *Possible technical elective credit for a 400-level CHE course not listed above will require departmental approval by petition to the Undergraduate Committee.*

b *An appropriate design-related research project may be selected with the approval of the Department of Chemical Engineering.*

Electives outside the Major Rubric

Code	Title	Hours
Electives		
Electives outside the CHE rubric		3
Total Hours		**3**

Optional Concentrations

BS in Chemical Engineering, Biochemical Engineering Concentration

Students in this concentration complete the following:

Code	Title	Hours
Required Courses [a]		
Technical Elective		
CHE 422	Biochemical Engineering	3
Electives		
Select two electives in nonmajor rubric category from the following:		5-7
BIOS 350	General Microbiology	
BIOS 351	Microbiology Laboratory	
CHEM 352	Introductory Biochemistry	
CHEM 452	Biochemistry I	
Total Hours		**8-10**

a *Due to structure of the concentration and the prerequisites required for some of the courses, students in the concentration will be required to take a minimum of 130 semester hours for the degree.*

BS in Chemical Engineering, Energy and Environment Concentration

Students in this concentration complete the following:

Code	Title	Hours
Required Courses [a]		
CHE 230	Molecular Systems in Chemical Engineering	3
CHE 330	Polymer Science [b]	3
Technical Elective		
CHE 451	Renewable Energy Technologies	3
Elective outside the Major Rubric		
CME 322	Environmental Engineering	3
Second Technical Elective		
Select one of the following:		3
CHE 392	Undergraduate Research	
CHE 450	Air Pollution Engineering	
CHE 453	Fundamentals of Electrochemistry	
A 400-level course approved by the director of undergraduate studies		
Total Hours		**15**

a *Due to structure of the concentration and the prerequisites required for some of the courses, students in the concentration will be required to take a minimum of 134 semester hours for the degree (6 additional semester hours).*

b *This course fulfills the degree's selective requirement.*

BS in Chemical Engineering, Entrepreneurship Concentration

Students in this concentration complete the following:

Code	Title	Hours
Required Course [a]		
CHE 427	Entrepreneurship in Engineering [b]	3
Electives		
Select two of the following: [c]		6
ENTR 200	Survey of Entrepreneurship	
ENTR 310	Introduction to Entrepreneurship	
ENTR 445	New Venture Planning	
400-level course approved by the Chemical Engineering director of undergraduate studies		
Total Hours		**9**

a *Due to structure of the concentration and the prerequisites required for some of the courses, students in the concentration will be required to take a minimum of 131 semester hours for the degree (3 additional semester hours).*

b *This course fulfills the degree's technical elective requirement.*

c *One non-CHE course fulfills the degree's Elective outside the Major Rubric requirement*

BS in Chemical Engineering, Nanotechnology Concentration

Students in this concentration complete the following:

General Education Core Course		3
	Hours	**15**
Second Semester		
CS 109	Programming for Engineers with MatLab	3
MATH 181	Calculus II	4
PHYS 141	General Physics I (Mechanics)	4
CHEM 124 & CHEM 125 or CHEM 118	Chemical Dynamics or Honors and Majors General and Analytical Chemistry II	5
	Hours	**16**
Sophomore Year		
First Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
PHYS 142	General Physics II (Electricity and Magnetism)	4
CHE 201	Introduction To Thermodynamics	3
MATH 210	Calculus III	3
CHEM 232	Structure and Function	3
	Hours	**16**
Second Semester		
CHE 205	Computational Methods in Chemical Engineering	3
CHE 210	Material and Energy Balances	4
CHE 230	Molecular Systems in Chemical Engineering	3
MATH 220	Introduction to Differential Equations	3
CHEM 222	Analytical Chemistry	4
	Hours	**17**
Junior Year		
First Semester		
CHE 301	Chemical Engineering Thermodynamics	3
CHE 311	Transport Phenomena I	3
CHEM 233	Synthesis Techniques Laboratory	2
CHEM 234	Chemical Synthesis	3
CHEM 342	Physical Chemistry I	3
General Education Core Course		3
	Hours	**17**
Second Semester		
CHE 312	Transport Phenomena II	3
CHE 313	Transport Phenomena III	3
CHE 321	Chemical Reaction Engineering	3
CME 260	Properties of Materials	3
ECE 210	Electrical Circuit Analysis	3
General Education Core Course		3
	Hours	**18**
Senior Year		
First Semester		
CHE 330	Polymer Science (Or CHEM 346 Junior Year second semester)	3
CHE 381	Chemical Engineering Laboratory I	2
CHE 396	Senior Design I	3
CHE Technical Elective (select from list)		3
CHE 499	Professional Development Seminar	0
General Education Core Course		3
	Hours	**14**
Second Semester		
CHE 341	Chemical Process Control	3
CHE 382	Chemical Engineering Laboratory II	2
CHE 397	Senior Design II	4
Elective outside the Major Rubric		3
General Education Core course		3
	Hours	**15**
	Total Hours	**128**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

Joint BS in Chemical Engineering/ MS in Chemical Engineering

Degree Requirements

To earn a joint Bachelor of Science in Chemical Engineering/Master of Science in Chemical Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Chemical Engineering degree requirements are outlined below. Students should consult the College of Engineering section for additional degree requirements and college academic policies.

The Joint Bachelor of Science in Chemical Engineering (BSCHE) and Master of Science in Chemical Engineering (MSCHE) is designed for undergraduate students who desire to pursue graduate studies in Chemical Engineering or who wish to prepare themselves for advanced placement in the workplace. Students will earn both a BSCHE and an MSCHE degree upon completion, with 8 hours of course work shared between the two degrees.

The requirements for completion of the combined BSCHE/MSCHE degree are identical to the completion of these two separate degrees; however, there are 8 hours of shared course work used for both degrees. Completion of 122 hours at the undergraduate level; plus 8 shared hours counting toward both the BSCHE and MSCHE degrees; plus 28 hours of course work at the graduate level will result in joint BSCHE/MSCHE degrees. Students accepted into the joint degree program will be able to take a 400-level (graduate) Chemical Engineering course and a 500-level seminar course after they complete CHE 301, CHE 311, CHE 312, CHE 313, and CHE 321. These students will be eligible to enroll as graduate students to receive 4 hours for the 400-level (graduate) chemical engineering course. The 400-level CHE course will count towards the technical elective course for the bachelor's degree and as an elective course for the master's degree. The student will then select a 500-level seminar course and a 400-level course from other engineering majors chosen in consultation with their CHE advisor. The 400-level non-CHE course will count towards the elective course outside the major for the bachelor's degree (or free electives in the BS in CHE) and the elective course for the master's degree. The 500-level seminar courses will count towards the elective course for the master's degree.

Students can apply for the joint degree at any time before the end of the second week of the fall term of their senior year in the BS program. A GPA of 2.50/4.00 or higher in the prior semester is required for application to the joint BS/MS degree program. Students also need to maintain an overall GPA of 2.00 or higher in BS and an overall GPA of 3.00 or higher in the MS program. The applications will be reviewed by the Graduate Admission Committee in the Chemical Engineering department to determine whether the student will be admitted to this program. The department reserves the right to decline or accept any application. If a student is admitted to the joint program, a Change of Program form will be processed to finalize the admission.

PHYS 142	General Physics II (Electricity and Magnetism)	4
Total Hours		**33**

Code	Title	Hours
Required Courses		
CHE 210	Material and Energy Balances	4
CHE 301	Chemical Engineering Thermodynamics	3
CHE 321	Chemical Reaction Engineering	3
CHE 311	Transport Phenomena I	3-4
or ME 211	Fluid Mechanics I	
Select one of the following:		3-4
CHE 312	Transport Phenomena II	
ME 321	Heat Transfer	
CHE 313	Transport Phenomena III	
Total Hours		**16-18**

Department of Civil, Materials, and Environmental Engineering

Contact Information:

Campus Location: 2095 Engineering Research Facility (ERF)
(312) 996-3428
cme@uic.edu
www.cme.uic.edu

Administration:
Department Head, Abolfazl Mohammadian, kouros@uic.edu
Director of Undergraduate Studies, Hossein Ataei, hataei@uic.edu

Civil engineering is a broadly based discipline that encompasses many specialties. The civil engineering curriculum provides students with a strong background in engineering and applied sciences.

Civil Engineering Program Educational Objectives

Graduates of the Civil Engineering program at the University of Illinois Chicago will establish careers in engineering, research and development, and/or management professions and be involved in professional societies. Graduates of the program are expected within a few years of graduation:

- To apply technical expertise, effective design skills, and sustainability principles to address evolving engineering challenges affecting a diverse society
- To be engaged in continuing education. Motivated graduates will have pursued or have well-formulated plans to pursue graduate education
- To effectively and ethically contribute as a member, manager, or leader of multidisciplinary teams through efficient communication of technical and nontechnical issues

A majority of those in the engineering profession will be licensed Professional Engineers within five years of graduation, and a majority of those practicing structural engineering will become licensed Structural Engineers within ten years.

Civil Engineering Student Outcomes

The Civil Engineering Program at UIC is an ABET-accredited program and it follows and documents the ABET Student Outcomes (1) through (7) verbatim to support its Program Educational Objectives. Continuous assessment and attainment of these student outcomes prepare the graduates of the Civil Engineering program for professional practice. Students graduating from the Civil Engineering program at UIC will have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics.
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. an ability to communicate effectively with a range of audiences.
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts.
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions.
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

Accreditation

The civil engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET

Degree Programs

- BS in Civil Engineering (p. 239)
- BS in Environmental Engineering (p. 241)

Minors

- Minor in Civil Engineering (p. 243)
- Minor in Environmental Engineering (p. 243)
- Minor in Materials Engineering (p. 244)

BS in Civil Engineering

Program Codes:
20FQ0106BS

Degree Requirements

To earn a Bachelor of Science in Civil Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Civil, Materials, and Environmental Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
General Education Core course		3
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**15**
Second Semester		
MATH 181	Calculus II	4
PHYS 141	General Physics I (Mechanics)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
CME 197	Introduction to Civil and Environmental Engineering	0
ME 250 or CME 297	Introduction to Engineering Design and Graphics or Civil and Environmental Engineering Drawing and Design	3
General Education Core course		3
	Hours	**17**
Sophomore Year		
First Semester		
MATH 210	Calculus III	3
PHYS 142	General Physics II (Electricity and Magnetism)	4
CS 109	Programming for Engineers with MatLab	3
CME 201	Statics	3
CME 207 or IE 201	Engineering Probability and Economics or Financial Engineering	3
	Hours	**16**
Second Semester		
MATH 220	Introduction to Differential Equations	3
MATH 310 or STAT 381	Applied Linear Algebra or Applied Statistical Methods I	3
CME 203	Strength of Materials	3
ME 210	Engineering Dynamics	3
CME 211	Fluid Mechanics and Hydraulics	3
General Education Core course		3
	Hours	**18**
Junior Year		
First Semester		
CME 205	Structural Analysis I	3
CME 302	Transportation Engineering	3
CME 315	Soil Mechanics and Laboratory	4
CME 322	Environmental Engineering	3
CME 290	Engineering Surveying	1
General Education Core course		3
	Hours	**17**
Second Semester		
CME 310	Design of Reinforced Concrete Structures	3
CME 311	Water Resources Engineering	3
CME 260	Properties of Materials	3
CME 300	Composition and Properties of Concrete	2
CME 301	Behavior and Design of Metal Structures	3
General Education Core course		3
	Hours	**17**
Senior Year		
First Semester		
CME 396	Civil Engineering Systems Design	2
CME 402	Geometric Design of Highway Facilities	3
CME Technical Elective I		3
CME Technical Elective II		3
CME Technical Elective III		3
	Hours	**14**
Second Semester		
CME 405	Foundation Analysis and Design	3
CME 497	Capstone Design	2
CME Technical Elective IV		3
CME Technical Elective V		3
CME Technical Elective VI		3
	Hours	**14**
	Total Hours	**128**

a ENGR 100 *is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

BS in Environmental Engineering

Degree Requirements

The BS degree in Environmental Engineering at UIC requires the students to complete university, college, and program degree requirements. Students must complete all courses required to fulfill College of Engineering and General Education requirements, and required courses in the major. In order to graduate with a BS degree in Environmental Engineering, students must have at least a 2.00/4.00 grade point average in all work taken at UIC, in all work taken for the major, and in all work accepted by the university (transfer courses and courses taken at UIC).

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		60
Required in the College of Engineering		53
Technical Electives		15
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
MATH 310 or STAT 381	Applied Linear Algebra Applied Statistical Methods I	3
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
CHEM 122	Matter and Energy [b]	3
CHEM 123	Foundations of Chemical Inquiry I [b]	2
CHEM 124	Chemical Dynamics [b]	3
CHEM 125	Foundations of Chemical Inquiry II [b]	2
EAES 101	Global Environmental Change [b]	4

Senior Year		
First Semester		
CME 396	Civil Engineering Systems Design	2
CME 427	Engineering Hydrology	3
Technical Elective II		3
Technical Elective III		3
General Education Requirement course		3
	Hours	**14**
Second Semester		
CME 497	Capstone Design	2
Technical Elective IV		3
Technical Elective V		3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**14**
	Total Hours	**128**

Minor in Civil Engineering

Requirements for the Minor

For the minor, 18–19 semester hours are required, excluding prerequisite courses. Students outside the Department of Civil, Materials, and Environmental Engineering who wish to minor in Civil Engineering must complete the following:

Code	Title	Hours
Prerequisite Courses		
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
CS 109	Programming for Engineers with MatLab	3
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics)	4
CME 201	Statics	3
Total Hours		**29**

Code	Title	Hours
Required Courses		
CME 203	Strength of Materials	3
CME 211	Fluid Mechanics and Hydraulics	3
Select three of the following:		9-10
CME 205	Structural Analysis I	
CME 260	Properties of Materials	
CME 302	Transportation Engineering	
CME 311	Water Resources Engineering	
CME 315	Soil Mechanics and Laboratory	
CME 322	Environmental Engineering	
Select one of the following:		3
CME 301	Behavior and Design of Metal Structures	
CME 310	Design of Reinforced Concrete Structures	
CME 402	Geometric Design of Highway Facilities	
CME 405	Foundation Analysis and Design	
CME 422	Wastewater Treatment Design	
Total Hours		**18-19**

Minor in Environmental Engineering

Requirements for the Minor

For the minor, 18–20 semester hours are required, excluding prerequisite courses. Students who wish to minor in Environmental Engineering must complete the following courses:

Code	Title	Hours
Prerequisite Courses		
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics)	4
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I	5
or CHEM 116	Honors and Majors General and Analytical Chemistry I	
Select at least two of the following:		6-7
CME 201	Statics	
CME 211	Fluid Mechanics and Hydraulics	
or ME 211	Fluid Mechanics I	
CHE 201	Introduction To Thermodynamics	
or ME 205	Introduction to Thermodynamics	
Total Hours		**29-30**

At least two courses must be outside the student's department.

Code	Title	Hours
Required Courses		
Select two of the following:		6-7
CME 311	Water Resources Engineering	
CME 322	Environmental Engineering	
CHE 321	Chemical Reaction Engineering	
CHE 311	Transport Phenomena I	
ME 321	Heat Transfer	
Select two of the following:		6-7
CHE 421	Combustion Engineering	
CME 425	Environmental Remediation Engineering	
ME/CHE 450	Air Pollution Engineering	
Select two of the following:		6
CHE 413	Introduction to Flow in Porous Media	
CME 421	Water Treatment Design	
CME 422	Wastewater Treatment Design	
Total Hours		**18-20**

concentration continues to cover in depth the fundamental areas of computer science including programming, data structures, discrete mathematics, algorithms, formal languages, computer architecture, and operating systems. In addition the concentration focuses on key topics of human-centered computing practice such as user-interface design, computer graphics, visual media, and natural language processing.

The Department of Computer Science also offers a Software Engineering Concentration within the BS in Computer Science program. The Software Engineering Concentration emphasizes the knowledge and skills needed to begin a professional practice in software engineering. The concentration continues to cover in depth the fundamental areas of computer science, including programming, data structures, discrete mathematics, algorithms, formal languages, computer architecture, and operating systems. In addition, the concentration focuses on key topics of software engineering practice such as software cost estimation, large-scale software development, and risk management.

The BS in Data Science is designed for undergraduates who plan to pursue technical or professional careers in the burgeoning field of data science, or for graduate study in the area. As the world is becoming overwhelmingly data#driven, with companies employing entire departments just for collecting and analyzing data to help them make business decisions, employment opportunities for a data scientist are increasingly lucrative. Indeed data scientists are needed in virtually every industry and organization, public or private: health care, computer science, information technology, retail, marketing, manufacturing, transportation, communication, education, insurance, finance, science, security, law enforcement, and more.

Accreditation

The computer science program at UIC is accredited by the Computing Accreditation Commission of ABET

Degree Programs

Computer Science

- BS in Computer Science (p. 245)
- BS in Computer Science with Computer Systems Concentration (p. 248)
- BS in Computer Science with Human-Centered Computing Concentration (p. 250)
- BS in Computer Science with Software Engineering Concentration (p. 253)
- BS in Computer Science and Design (p. 256)
- Joint BS in Computer Science/MS in Computer Science (p. 273)

Data Science

- BS in Data Science with Bioinformatics Concentration (p. 258)
- BS in Data Science with Business Analytics Concentration (p. 259)
- BS in Data Science with Computer Science Concentration (p. 261)
- BS in Data Science with Data Processing, Science, and Engineering Concentration (p. 263)
- BS in Data Science with Health Data Science Concentration (p. 265)
- BS in Data Science with Industrial Engineering Concentration (p. 266)
- BS in Data Science with Social Technology Studies Concentration (p. 268)
- BS in Data Science with Statistics Concentration (p. 270)
- BS in Data Science with a Concentration in Urban Planning and Public Affairs (p. 272)

Minors

- Minor in Computer Science (p. 274)
- Minor in Information Technology (p. 275)

BS in Computer Science

Program Codes:
20FQ0112BS

Degree Requirements

To earn a Bachelor of Science in Computer Science degree from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		46
Required in the College of Engineering		46
Technical Electives		18
Required Mathematics Courses		9
Free Electives		9
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
Humanities/Social Sciences/Art Electives [b]		6
MATH 180	Calculus I [c]	4
MATH 181	Calculus II [c]	4
MATH 210	Calculus III [c]	3
Science Electives (see below) [d]		8
Total Hours		**46**

a *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses in this category.*
b *These electives must be selected from a list of approved courses provided by the CS department.*
c *This course is approved for the Analyzing the Natural World General Education category.*

Required Mathematics Courses

Code	Title	Hours
Required Courses		
Select 9 hours from among the following list of courses, with at least one course taken from IE 342 or STAT 381:		9
IE 342	Probability and Statistics for Engineers [a]	
or STAT 381	Applied Statistical Methods I	
MATH 215	Introduction to Advanced Mathematics	
MATH 220	Introduction to Differential Equations	
MATH 310	Applied Linear Algebra	
or MATH 320	Linear Algebra I	
MATH 430	Formal Logic I	
MATH 435	Foundations of Number Theory	
MATH 436	Number Theory for Applications	
MCS 421	Combinatorics	
MCS 423	Graph Theory	
MCS 471	Numerical Analysis [b]	
STAT 401	Introduction to Probability	
STAT 473	Game Theory	
Total Hours		**9**

a *Students who take IE 342 will not receive credit for either STAT 381 or STAT 401.*

b *Students may choose to use MCS 471 as either a CS technical elective from outside the CS department or as a required mathematics course, but not both.*

Science Electives

Every student must take two courses from the list below.

Code	Title	Hours
Science Electives		
Select two of the following: [a]		8
BIOS 110	Biology of Cells and Organisms	
BIOS 120	Biology of Populations and Communities	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
or CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
or CHEM 118	Honors and Majors General and Analytical Chemistry II	
PHYS 141	General Physics I (Mechanics)	
PHYS 142	General Physics II (Electricity and Magnetism)	
EAES 101	Global Environmental Change	
EAES 111	Earth, Energy, and the Environment	
Total Hours		**8**

a *These courses are approved for the Analyzing the Natural World General Education category*

b *General Education credit is only given for the successful completion of both CHEM 122 and CHEM 123 or both CHEM 124 and CHEM 125.*

Free Electives

Code	Title	Hours
Electives		
Select 9 hours of Free Electives		9
Total Hours		**9**

Sample Course Schedule

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Science Elective		4
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**14**
Second Semester		
MATH 181	Calculus II	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education Core course		3
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
	Hours	**16**
Sophomore Year		
First Semester		
MATH 210	Calculus III	3
Science Elective		4
CS 211	Programming Practicum	3
CS 251	Data Structures	4
General Education Core course		3
	Hours	**17**
Second Semester		
CS 261	Machine Organization	4
CS 301	Languages and Automata	3
Required Mathematics course		3
Humanities/Social Science/Art Elective		3
General Education Core course		3
	Hours	**16**
Junior Year		
First Semester		
CS 361	Systems Programming	4
CS 362	Computer Design	4
CS 342	Software Design	3
Required Mathematics course		3
General Education Core course		3
	Hours	**17**
Second Semester		
CS 277	Technical and Professional Communication in Computer Science	3
CS 341	Programming Language Design and Implementation	3

Technical Electives

Code	Title	Hours
Courses		
Students must complete at least 18 hours of courses from among the following list of courses, only one of which may be outside the CS rubric. Four courses must be selected from: CS 450, CS 466, CS 473, CS 486, CS 487, and ECE 367.		18
CS 351	Advanced Data Structure Practicum	
CS 378	Framework-based Software Development for Hand-held Devices	
CS 398	Undergraduate Design/Research	
CS 402	Algorithms in Practice	
CS 407	Economics and Computation	
CS 411	Artificial Intelligence I	
CS 412	Introduction to Machine Learning	
CS 415	Computer Vision I	
CS 418	Introduction to Data Science	
CS 421	Natural Language Processing	
CS 422	User Interface Design and Programming	
CS 424	Visualization and Visual Analytics	
CS 425	Computer Graphics I	
CS 426	Video Game Design and Development	
CS 427	Creative Coding	
CS 428	Virtual, Augmented and Mixed Reality	
CS 440	Software Engineering I	
CS 441	Engineering Distributed Objects For Cloud Computing	
CS 442	Software Engineering II	
CS 450	Introduction to Networking	
CS 453	Introduction to Parallel and Distributed Processing	
CS 454	Principles of Concurrent Programming	
CS 455	Design and Implementation of Network Protocols	
CS 461	Operating Systems Design and Implementation	
CS 463	Systems Performance and Concurrent Computing	
CS 466	Computer Architecture	
CS 468	Network Security	
CS 473	Compiler Design	
CS 474	Object-Oriented Languages and Environments	
CS 476	Programming Language Design	
CS 477	Public Policy, Legal, and Ethical Issues in Computing, Privacy, and Security	
CS 478	Software Development for Mobile Platforms	
CS 479	Wearables and Nearables Technology Laboratory	
CS 480	Database Systems	
CS 483	Big Data Mining	
CS 484	Secure Web Application Development	
CS 485	Networked Operating Systems Programming	
CS 487	Building Secure Computer Systems	
CS 488	Introduction to Cryptography	
CS 489	Human Augmentics	
ECE 367	Microprocessor-Based Design	
ECE 467	Introduction to VLSI Design	
ECE 469	Hardware Description Language Based Digital and Computer System Design	
IT 301	Networks and Distributed Computing Technology	
IT 302	Database Administration and Installation	
MCS 320	Introduction to Symbolic Computation	
MCS 425	Codes and Cryptography	
MCS 471	Numerical Analysis	
MCS 481	Computational Geometry	
STAT 471	Linear and Non-Linear Programming	
Total Hours		**18**

Required Mathematics Courses

Code	Title	Hours
Required Courses		
Select 9 hours from among the following courses, with at least one course taken from IE 342 or STAT 381.		9
IE 342	Probability and Statistics for Engineers [a]	
or STAT 381	Applied Statistical Methods I	
MATH 215	Introduction to Advanced Mathematics	
MATH 220	Introduction to Differential Equations	
MATH 310	Applied Linear Algebra	
or MATH 320	Linear Algebra I	
MATH 430	Formal Logic I	
MATH 435	Foundations of Number Theory	
MATH 436	Number Theory for Applications	
MCS 421	Combinatorics	
MCS 423	Graph Theory	
MCS 471	Numerical Analysis [b]	
STAT 401	Introduction to Probability	
STAT 473	Game Theory	
Total Hours		**9**

a *Students who take IE 342 will not receive credit for either STAT 381 or STAT 401.*

b *Students may choose to use MCS 471 as either a CS technical elective from outside the CS department or as a required mathematics course, but not both.*

Science Electives

Every student must take two courses from the list below.

Code	Title	Hours
Science Electives		
Select two of the following: [a]		8

Degree Requirements

Code	Title	Hours
Summary of Requirements		
Required Outside the College of Engineering		55
Required in the College of Engineering		58
Technical Electives		6
Required Mathematics Courses		6
Free Electives		3
Total Hours		**128**

Required Outside the College of Engineering

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education Core		
Select one course from each of the following categories: [a]		15
Exploring World Cultures		
Understanding the Creative Arts		
Understanding the Past		
Understanding the Individual and Society		
Understanding US Society		
Humanities/Social Sciences/Art Electives		
At least three of the selected courses must be from the following: (Please note: In order to enroll in some of these courses, students will have to go to the respective departments to get an override on prerequisites and/or enrollment restrictions.) [b]		12
PSCH 100	Introduction to Psychology	
PSCH 242	Introduction to Research in Psychology (prerequisite PSCH 100)	
ART 150	Introduction to New Media Arts	
ART 454	3D Space I: Modeling	
ART 456	Embedded Media: Physical Computing	
DES 452	Information Aesthetics I	
COMM 316	Writing for the Electronic Media	
COMM 430	Media, Information and Society	
COMM 460	Visual Communication	
MATH 180	Calculus I [c]	4
MATH 181	Calculus II [c]	4
MATH 210	Calculus III [c]	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics) [c]	4
PHYS 142	General Physics II (Electricity and Magnetism) [c]	4
Total Hours		**55**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

b *These electives must be selected from a list of approved courses provided by the CS department.*

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

Required in the College of Engineering

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1
Select one of the following:		3
CS 111	Program Design I	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
CS 211	Programming Practicum	3
CS 251	Data Structures	4
CS 261	Machine Organization	4
CS 277	Technical and Professional Communication in Computer Science	3
CS 301	Languages and Automata	3
CS 341	Programming Language Design and Implementation	3
CS 342	Software Design	3
CS 361	Systems Programming	4
CS 362	Computer Design	4
CS 377	Ethical Issues in Computing	3
CS 401	Computer Algorithms I	3
CS 422	User Interface Design and Programming	3
CS 499	Professional Development Seminar	0
Select at least three of the following:		9
CS 415	Computer Vision I	
or ECE 415	Image Analysis and Computer Vision I	
CS 411	Artificial Intelligence I	
CS 421	Natural Language Processing	
CS 424	Visualization and Visual Analytics	
CS 425	Computer Graphics I	
CS 426	Video Game Design and Development	
Total Hours		**58**

a *ENGR 100 carries one equivalent semester hour, but awards no credit toward graduation.*

Technical Electives

Code	Title	Hours
Courses		
Select two of the following, only one of which may be outside of the CS rubric:		6
CS 351	Advanced Data Structure Practicum	
CS 378	Framework-based Software Development for Hand-held Devices	

Sophomore Year		
First Semester		
MATH 210	Calculus III	3
PHYS 141	General Physics I (Mechanics)	4
CS 211	Programming Practicum	3
CS 251	Data Structures	4
General Education Core course		3
	Hours	**17**
Second Semester		
CS 261	Machine Organization	4
CS 301	Languages and Automata	3
MATH 220	Introduction to Differential Equations	3
PHYS 142	General Physics II (Electricity and Magnetism)	4
Humanities/Social Sciences/Art Elective		3
	Hours	**17**
Junior Year		
First Semester		
CS 361	Systems Programming	4
CS 362	Computer Design	4
CS 342	Software Design	3
IE 342 or STAT 381	Probability and Statistics for Engineers or Applied Statistical Methods I	3
Humanities/Social Science/Art Elective [b]		3-4
	Hours	**17-18**
Second Semester		
CS 341	Programming Language Design and Implementation	3
CS 422	User Interface Design and Programming	3
CS 461	Operating Systems Design and Implementation	3
MATH 310 or MATH 320	Applied Linear Algebra or Linear Algebra I	3
Humanities/Social Science/Art Elective [b]		3-4
	Hours	**15-16**
Senior Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 401	Computer Algorithms I	3
CS 424	Visualization and Visual Analytics	3
CS 425	Computer Graphics I	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 426	Video Game Design and Development	3
CS 499	Professional Development Seminar	0
Technical Elective		3
Technical Elective		3
Humanities/Social Science/Art Elective [b]		3-4
Free Elective		3
	Hours	**15-16**
	Total Hours	**128**

a *ENGR 100 carries one equivalent hour but awards no credit towards graduation.*

b *One of the following electives: PSCH 100, PSCH 242; ART 150, ART 454, ART 456; DES 452; COMM 430, COMM 316, COMM 460.*

BS in Computer Science with Software Engineering Concentration

To earn a Bachelor of Science in Computer Science, Software Engineering Concentration degree from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Degree Requirements

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		46
Required in the College of Engineering		55
Technical Electives		12
Required Mathematics Courses		6
Free Electives		9
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures Course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
Humanities/Social Sciences/Art Electives [b]		6
MATH 180	Calculus I [c]	4
MATH 181	Calculus II [c]	4
MATH 210	Calculus III [c]	3
Science Electives (see below) [d]		8
Total Hours		**46**

a *Students should consult the* General Education (p. 83) *section of the catalog for a list of approved courses in this category.*

b *These electives must be selected from a list of approved courses provided by the CS department.*

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

d *All courses on the lab science sequence below are approved for the Analyzing the Natural World General Education category.*

Required in the College of Engineering

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1

MATH 435	Foundations of Number Theory	
MATH 436	Number Theory for Applications	
MCS 421	Combinatorics	
MCS 423	Graph Theory	
MCS 471	Numerical Analysis [a]	
STAT 473	Game Theory	
Total Hours		**6**

a *Students may choose to use MCS 471 as either a CS technical elective from outside the CS department or as a required mathematics course, but not both.*

Science Electives

Every student must take two courses from the list below.

Code	Title	Hours
Electives		
Select two courses from the following: [a]		8
BIOS 110	Biology of Cells and Organisms	
BIOS 120	Biology of Populations and Communities	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
or CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
or CHEM 118	Honors and Majors General and Analytical Chemistry II	
PHYS 141	General Physics I (Mechanics)	
PHYS 142	General Physics II (Electricity and Magnetism)	
EAES 101	Global Environmental Change	
EAES 111	Earth, Energy, and the Environment	
Total Hours		**8**

a *These courses are approved for the Analyzing the Natural World General Education category.*

b *General Education credit is only given for successful completion of both CHEM 122 and CHEM 123 or both CHEM 124 and CHEM 125.*

Free Electives

Code	Title	Hours
Electives		
Select 9 hours of Free Electives		9
Total Hours		**9**

Sample Course Schedule

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Science Elective		4
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**14**
Second Semester		
MATH 181	Calculus II	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
General Education Core course		3
	Hours	**16**
Sophomore Year		
First Semester		
MATH 210	Calculus III	3
CS 211	Programming Practicum	3
CS 251	Data Structures	4
Science Elective		4
General Education Core course		3
	Hours	**17**
Second Semester		
CS 261	Machine Organization	4
CS 301	Languages and Automata	3
IE 342	Probability and Statistics for Engineers	3
Humanities/Social Sciences/Art Elective		3
General Education Core course		3
	Hours	**16**
Junior Year		
First Semester		
CS 361	Systems Programming	4
CS 362	Computer Design	4
CS 342	Software Design	3
Required Mathematics course		3
General Education Core course		3
	Hours	**17**
Second Semester		
CS 341	Programming Language Design and Implementation	3
CS 277	Technical and Professional Communication in Computer Science	3
Required Mathematics course		3
Humanities/Social Sciences/Art Elective		3
Free Elective		4
	Hours	**16**
Senior Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 401	Computer Algorithms I	3
CS 440	Software Engineering I	3
Technical Elective		3
General Education Core course		3
Free Elective		2
	Hours	**17**
Second Semester		
CS 442	Software Engineering II	3
Technical Elective		3
Technical Elective		3
Technical Elective		3

Select one of the following:		3
CS 111	Program Design I	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
CS 211	Programming Practicum	3
CS 251	Data Structures	4
CS 401	Computer Algorithms I	3
CS/DES 427	Creative Coding	3
Select two of the following courses:		6-8
CS 261	Machine Organization	
CS 301	Languages and Automata	
CS 341	Programming Language Design and Implementation	
CS 342	Software Design	
CS 361	Systems Programming	
CS 362	Computer Design	
Computer Science Technical Electives (6 hours from the list below)		6
CS 411	Artificial Intelligence I	
CS 412	Introduction to Machine Learning	
CS 418	Introduction to Data Science	
CS 421	Natural Language Processing	
CS 422	User Interface Design and Programming	
CS 424	Visualization and Visual Analytics	
CS 425	Computer Graphics I	
CS 426	Video Game Design and Development	
CS 428	Virtual, Augmented and Mixed Reality	
CS 474	Object-Oriented Languages and Environments	
CS 478	Software Development for Mobile Platforms	
CS 480	Database Systems	
CS 489	Human Augmentics	
Total Hours		**34-36**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total required for graduation.*

Design Core Requirements

Code	Title	Hours
Required Courses		
DES 150	Digital Media Design I	4
DES 160	Design Photography	4
or DES 170	Color Theory	
DES 208	Typography I: Form	4
DES 209	Typography II: Systems	4
DES 255	Integrative Design Studio I	4
DES 256	Integrative Design Studio II	4
DES 357	Integrative Design Studio III	4
DES 358	Integrative Studio Project	4
Select one of the following Professional Practice tracks (2 courses):		8
DES 420 & DES 421	Professional Practice Project I and Professional Practice Project II	
DES 430 & DES 431	Interdisciplinary Product Development I and Interdisciplinary Product Development II	
DES 452 & DES 453	Information Aesthetics I and Information Aesthetics II	
Total Hours		**40**

Sample Course Schedule

Course	Title	Hours
First Year		
FALL AND SPRING SEMESTERS		
Prerequisite design, computer science, and math coursework for the major including the equivalent of:		
DES 150	Digital Media Design I	4
DES 160 or DES 170	Design Photography or Color Theory	4
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
ENGR 100	Engineering Success Seminar [a]	1
Prerequisite academic coursework for the major including the equivalent of:		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 180	Calculus I	4
MATH 181	Calculus II	4
	Hours	**31**
Second Year		
Fall Semester		
CS 211	Programming Practicum	3
DES 208	Typography I: Form	4
DES 255	Integrative Design Studio I	4
Science Elective		4
	Hours	**15**
Spring Semester		
CS 251	Data Structures	4
DES 209	Typography II: Systems	4
DES 256	Integrative Design Studio II	4
Understanding the Individual and Society General Education course		3
	Hours	**15**
Third Year		
Fall Semester		
IE 342	Probability and Statistics for Engineers	3
DES 357	Integrative Design Studio III	4
AH 110	World History of Art and the Built Environment I	4
DES 355	Design Seminar	3
Understanding U.S. Society General Education course		3
	Hours	**17**
Spring Semester		
CS Selective course (CS 261, CS 301, CS 341, CS 342, CS 361, or CS 362)		3-4

a *IE 342 must be taken for the Concentration in Industrial Engineering.*
b *ECE 341 must be taken for the Concentration in Data Processing, Science, and Engineering.*
c *CS 418 and CS 480 must be taken for the Concentration in Computer Science.*

Bioinformatics Concentration Requirements

Code	Title	Hours
Required Prerequisites		
BIOS 110	Biology of Cells and Organisms [a]	
BIOS 120	Biology of Populations and Communities [a]	
Required Courses		
BIOS 220	Genetics	3
BIOS 430	Evolution	4
BME 480	Intro to Bioinformatics	3
BME 481	Bioinformatics Laboratory	2
Select one of the following:		3-4
BME 240	Modeling Physiological Data and Systems	
BME 339	Biostatistics I	
BME 407	Pattern Recognition I	
BME 439	Biostatistics II	
Total Hours		**15-16**

Free Electives

Code	Title	Hours
Electives		
Select 10-11 hours of Free Electives		10-11
Total Hours		**10-11**

a *This course counts toward the Analyzing the Natural World (with lab) General Education requirement.*

Sample Course Schedule

Course	Title	Hours
First Year		
First Semester		
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
Analyzing the Natural World (with Lab) General Education course		4
ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3
Analyzing the Natural World (with lab) General Education course		4
Foreign Language		4
	Hours	**17**
Second Semester		
CS 251	Data Structures	4
STAT 382 or IDS 462	Statistical Methods and Computing or Statistical Software for Business Applications	3
IDS 312	Business Project Management	3
MATH 210	Calculus III	3
General Education Core course		3
	Hours	**16**
Third Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 480 or IDS 410	Database Systems or Business Database Technology	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
MATH 310	Applied Linear Algebra	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 418 or IDS 472	Introduction to Data Science or Business Data Mining	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Free Elective		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
Second Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
	Total Hours	**120**

BS in Data Science with Business Analytics Concentration

Degree Requirements

To earn a Bachelor of Science in Data Science with a Business Analytics Concentration from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should

FIN 480	Securities Markets and High-Frequency Trading	
IDS 450	Supply Chain Planning and Logistics	
IDS 454	Introduction to Supply Chain Management	
IDS 479	Enterprise Risk Management	
MGMT 340	Introduction to Organizations	
MKTG 360	Introduction to Marketing	
MKTG 460	Marketing Analytics	
MKTG 462	Marketing Research	
MKTG 479	Digital and Social Media Marketing	
Total Hours		**18**

Free Electives

Code	Title	Hours
Electives		
Select 8 hours of Free Electives.		8
Total Hours		**8**

Sample Course Schedule

Course	Title	Hours
First Year		
First Semester		
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
Analyzing the Natural World (with Lab) General Education course		4
ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3
Analyzing the Natural World (with lab) General Education course		4
Foreign Language		4
	Hours	**17**
Second Semester		
CS 251	Data Structures	4
STAT 382 or IDS 462	Statistical Methods and Computing or Statistical Software for Business Applications	3
IDS 312	Business Project Management	3
MATH 210	Calculus III	3
General Education Core course		3
	Hours	**16**
Third Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 480 or IDS 410	Database Systems or Business Database Technology	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
MATH 310	Applied Linear Algebra	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 418 or IDS 472	Introduction to Data Science or Business Data Mining	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Concentration Requirement		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
Second Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
	Total Hours	**120**

BS in Data Science with Computer Science Concentration

Degree Requirements

To earn a Bachelor of Science in Data Science with a Computer Science Concentration from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		37
Core Courses		57
Computer Science Concentration Requirements		15
Free Electives		11
Total Hours		**120**

General and Basic Education Requirements

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3

ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3
Analyzing the Natural World (with lab) General Education course		4
Foreign Language		4
	Hours	**17**
Second Semester		
CS 251	Data Structures	4
STAT 382 or IDS 462	Statistical Methods and Computing or Statistical Software for Business Applications	3
IDS 312	Business Project Management	3
MATH 210	Calculus III	3
General Education Core course		3
	Hours	**16**
Third Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 480	Database Systems	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
MATH 310	Applied Linear Algebra	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 418	Introduction to Data Science	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Free Elective		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
Second Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
	Total Hours	**120**

BS in Data Science with Data Processing, Science, and Engineering Concentration

Degree Requirements

To earn a Bachelor of Science in Data Science with a Data Processing, Science, and Engineering Concentration from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		37
Core Courses		57
Data Processing, Science, and Engineering Concentration Requirements		15-17
Free Electives		9-11
Total Hours		**120**

General and Basic Education Requirements

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language [a]		8
Understanding the Individual and Society course [b]		3
Understanding U.S. Society course [b]		3
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Past course [b]		3
Two Analyzing the Natural World courses (with lab) [b,c]		8
Total Hours		**37**

a *Additional information on the COE's foreign language policy can be found in the College of Engineering section of the catalog.*

b *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses.*

c *Students planning to pursue the Bioinformatics Concentration will take BIOS 110 and BIOS 120 to fulfill the Analyzing the Natural World requirement.*

Core Courses

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar (no graduation credit)	1
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 310	Applied Linear Algebra	3

Second Semester		
CS 418 or IDS 472	Introduction to Data Science or Business Data Mining	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Free Elective		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3-4
General Education Core course		3
Free Elective		3-4
	Hours	**13**
Second Semester		
Concentration Requirement		3-4
Concentration Requirement		3
General Education Core course		3
Free Elective		3-4
	Hours	**13**
	Total Hours	**120**

BS in Data Science with Health Data Science Concentration

Degree Requirements

To earn a Bachelor of Science in Data Science with a Health Data Science Concentration from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		37
Core Courses		57
Health Data Science Concentration Requirements		17
Free Electives		9
Total Hours		**120**

General and Basic Education Requirements

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language [a]		8
Understanding the Individual and Society course [b]		3
Understanding U.S. Society course [b]		3
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Past course [b]		3
Two Analyzing the Natural World courses (with lab) [b,c]		8
Total Hours		**37**

a *Additional information on the COE's foreign language policy can be found in the College of Engineering section of the catalog.*

b *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses.*

c *Students planning to pursue the Bioinformatics Concentration will take BIOS 110 and BIOS 120 to fulfill the Analyzing the Natural World requirement.*

Core Courses

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar (no graduation credit)	1
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 310	Applied Linear Algebra	3
Select one of the following		3
CS 111	Program Design I	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
or MCS 361	Discrete Mathematics	
CS 211	Programming Practicum	3
CS 251	Data Structures	4
CS 377	Ethical Issues in Computing	3
Select one of the following:		3
STAT 381	Applied Statistical Methods I	
IE 342	Probability and Statistics for Engineers [a]	
ECE 341	Probability and Random Processes for Engineers [b]	
STAT 382	Statistical Methods and Computing	3
or IDS 462	Statistical Software for Business Applications	
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
STAT 481	Applied Statistical Methods II	3
IDS 312	Business Project Management	3
IDS 435	Optimization for Analytics	3
CS 418	Introduction to Data Science [c]	3
or IDS 472	Business Data Mining	
CS 480	Database Systems [c]	3
or IDS 410	Business Database Technology	
Total Hours		**57**

a *IE 342 must be taken for the Concentration in Industrial Engineering.*

b *ECE 341 must be taken for the Concentration in Data Processing, Science, and Engineering.*

Free Electives	13
Total Hours	**120**

General and Basic Education Requirements

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language [a]		8
Understanding the Individual and Society course [b]		3
Understanding U.S. Society course [b]		3
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Past course [b]		3
Two Analyzing the Natural World courses (with lab) [b,c]		8
Total Hours		**37**

a *Additional information on the COE's foreign language policy can be found in the College of Engineering section of the catalog.*

b *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses.*

c *Students planning to pursue the Bioinformatics Concentration will take BIOS 110 and BIOS 120 to fulfill the Analyzing the Natural World requirement.*

Core Courses

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar (no graduation credit)	1
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 310	Applied Linear Algebra	3
Select one of the following		3
CS 111	Program Design I	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
or MCS 361	Discrete Mathematics	
CS 211	Programming Practicum	3
CS 251	Data Structures	4
CS 377	Ethical Issues in Computing	3
Select one of the following:		3
STAT 381	Applied Statistical Methods I	
IE 342	Probability and Statistics for Engineers [a]	
ECE 341	Probability and Random Processes for Engineers [b]	
STAT 382	Statistical Methods and Computing	3
or IDS 462	Statistical Software for Business Applications	
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
STAT 481	Applied Statistical Methods II	3
IDS 312	Business Project Management	3
IDS 435	Optimization for Analytics	3
CS 418	Introduction to Data Science [c]	3
or IDS 472	Business Data Mining	
CS 480	Database Systems [c]	3
or IDS 410	Business Database Technology	
Total Hours		**57**

a *IE 342 must be taken for the Concentration in Industrial Engineering.*

b *ECE 341 must be taken for the Concentration in Data Processing, Science, and Engineering.*

c *CS 418 and CS 480 must be taken for the Concentration in Computer Science.*

Industrial Engineering Concentration Requirements

Code	Title	Hours
Required Courses		
Note: IE 342 must be chosen as the selective in the Common Core in order to pursue this concentration.		
IE 345	Regression Applications and Forecasting in Engineering	3
IE 365	Work Productivity Analysis	4
IE 446	Advanced Quality Control and Reliability	3
IE 471	Operations Research I	3
Optional Electives		
IE 442	Design and Analysis of Experiments in Engineering	
IE 461	Safety Engineering	
IE 463	Manufacturing Facilities Design and Material Handling	
IE 466	Production Operation Analytics and Inventory Control	
IE 467	Discrete Event Computer Simulation Application	
IE 472	Operations Research II	
IE 473	Stochastic Processes and Queuing Models	
Total Hours		**13**

Free Electives

Code	Title	Hours
Electives		
Select 13 hours of Free Electives.		13
Total Hours		**13**

Core Courses

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar (no graduation credit)	1
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 310	Applied Linear Algebra	3
Select one of the following		3
CS 111	Program Design I	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
CS 141	Program Design II	3
CS 151	Mathematical Foundations of Computing	3
or MCS 361	Discrete Mathematics	
CS 211	Programming Practicum	3
CS 251	Data Structures	4
CS 377	Ethical Issues in Computing	3
Select one of the following:		3
STAT 381	Applied Statistical Methods I	
IE 342	Probability and Statistics for Engineers [a]	
ECE 341	Probability and Random Processes for Engineers [b]	
STAT 382	Statistical Methods and Computing	3
or IDS 462	Statistical Software for Business Applications	
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
STAT 481	Applied Statistical Methods II	3
IDS 312	Business Project Management	3
IDS 435	Optimization for Analytics	3
CS 418	Introduction to Data Science [c]	3
or IDS 472	Business Data Mining	
CS 480	Database Systems [c]	3
or IDS 410	Business Database Technology	
Total Hours		**57**

a *IE 342 must be taken for the Concentration in Industrial Engineering.*
b *ECE 341 must be taken for the Concentration in Data Processing, Science, and Engineering.*
c *CS 418 and CS 480 must be taken for the Concentration in Computer Science.*

Social Technology Studies Concentration Requirements

Code	Title	Hours
Required Courses		
Select three of the following:		9
COMM 206	Public Relations and Digital Media	
COMM 216	Digital Journalism	
COMM 220	Social Media and Marketing	
COMM 240	Data Journalism	
COMM 250	Social Media and Society	
Selectives		
Select three of the following:		9
COMM 205	The Health Media Environment	
COMM 206	Public Relations and Digital Media	
COMM 220	Social Media and Marketing	
COMM 260	Games as Social Technology	
COMM 425	Digital Advocacy [a]	
COMM 430	Media, Information and Society	
COMM 433	Mobile Media and the City	
COMM 435	Data, Privacy and Ethics in the Digital Age	
CS 489	Human Augmentics	
Total Hours		**18**

Free Electives

Code	Title	Hours
Electives		
Select 8 hours of Free Electives.		8
Total Hours		**8**

a *COMM 301 is a prerequisite for COMM 425. Data Science majors must obtain department approval.*

Sample Course Schedule

Course	Title	Hours
First Year		
First Semester		
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
Analyzing the Natural World (with Lab) General Education course		4
ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3

STAT 382	Statistical Methods and Computing	3
or IDS 462	Statistical Software for Business Applications	
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
STAT 481	Applied Statistical Methods II	3
IDS 312	Business Project Management	3
IDS 435	Optimization for Analytics	3
CS 418	Introduction to Data Science [c]	3
or IDS 472	Business Data Mining	
CS 480	Database Systems [c]	3
or IDS 410	Business Database Technology	
Total Hours		**57**

a *IE 342 must be taken for the Concentration in Industrial Engineering.*
b *ECE 341 must be taken for the Concentration in Data Processing, Science, and Engineering.*
c *CS 418 and CS 480 must be taken for the Concentration in Computer Science.*

Statistics Concentration Requirements

Code	Title	Hours
Required Courses		
STAT 401	Introduction to Probability	3
STAT 411	Statistical Theory	3
STAT 451	Computational Statistics	3
STAT 485	Intermediate Statistical Techniques for Machine Learning and Big Data	3
STAT 486	Statistical Consulting	3
Optional Electives		
CS 411	Artificial Intelligence I	
CS 424	Visualization and Visual Analytics	
STAT 431	Introduction to Survey Sampling	
STAT 475	Mathematics and Statistics for Actuarial Sciences I	
Total Hours		**15**

Free Electives

Code	Title	Hours
Electives		
Select 11 hours of Free Electives.		11
Total Hours		**11**

Sample Course Schedule

Course	Title	Hours
First Year		
First Semester		
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
Analyzing the Natural World (with Lab) General Education course		4
ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3
Analyzing the Natural World (with lab) General Education course		4
Foreign Language		4
	Hours	**17**
Second Semester		
CS 251	Data Structures	4
STAT 382 or IDS 462	Statistical Methods and Computing or Statistical Software for Business Applications	3
IDS 312	Business Project Management	3
MATH 210	Calculus III	3
General Education Core course		3
	Hours	**16**
Third Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 480 or IDS 410	Database Systems or Business Database Technology	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
MATH 310	Applied Linear Algebra	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 418 or IDS 472	Introduction to Data Science or Business Data Mining	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Free Elective		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
Second Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
	Total Hours	**120**

US 301	Political Economy of Urban Development [a]	
Urban Data Visualization and Geospatial Analysis		
Select two of the following:		6-7
PA 435	Geographic Information Systems (GIS) for Public Managers	
UPP 461	Geographic Information Systems for Planning and Policy	
UPP 462	Intermediate GIS for Planning and Policy	
US 361	Introduction to Geographic Information Systems I	
Policy Analysis		
Select two of the following:		6
PPOL 307	Policy Analysis III: Identifying and Developing Alternatives	
PPOL 405	Evaluating Public Policies and Programs	
UPP 465	Topics in Geospatial Analysis and Visualization (Spatial Statistics section)	
US 250	Analyzing the City	
US 306	Urban Policy Analysis Methods [a]	

a *This course has prerequisites that can be taken as free electives in order to register for this course.*

Free Electives

Code	Title	Hours
Electives		
Select 7-8 hours of Free Electives.		7-8
Total Hours		**7-8**

Sample Course Schedule

Course	Title	Hours
First Year		
First Semester		
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
Analyzing the Natural World (with Lab) General Education course		4
ENGR 100	Engineering Success Seminar (no graduation credit)	1
	Hours	**14**
Second Semester		
CS 141	Program Design II	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
General Education Core course		3
Foreign Language		4
	Hours	**17**
Second Year		
First Semester		
CS 151 or MCS 361	Mathematical Foundations of Computing or Discrete Mathematics	3
CS 211	Programming Practicum	3
STAT 381 or IE 342 or ECE 341	Applied Statistical Methods I or Probability and Statistics for Engineers or Probability and Random Processes for Engineers	3
Analyzing the Natural World (with lab) General Education course		4
Foreign Language		4
	Hours	**17**
Second Semester		
CS 251	Data Structures	4
STAT 382 or IDS 462	Statistical Methods and Computing or Statistical Software for Business Applications	3
IDS 312	Business Project Management	3
MATH 210	Calculus III	3
General Education Core course		3
	Hours	**16**
Third Year		
First Semester		
CS 377	Ethical Issues in Computing	3
CS 480 or IDS 410	Database Systems or Business Database Technology	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
MATH 310	Applied Linear Algebra	3
General Education Core course		3
	Hours	**15**
Second Semester		
CS 418 or IDS 472	Introduction to Data Science or Business Data Mining	3
STAT 481	Applied Statistical Methods II	3
IDS 435	Optimization for Analytics	3
Concentration Requirement		3
Concentration Requirement		3
	Hours	**15**
Fourth Year		
First Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
Second Semester		
Concentration Requirement		3
Concentration Requirement		3
General Education Core course		3
Free Elective		4
	Hours	**13**
	Total Hours	**120**

Joint BS in Computer Science/MS in Computer Science

Degree Requirements

To earn a joint Bachelor of Science in Computer Science/Master of Science in Computer Science degree from UIC, students need to complete university, college, and department degree requirements. The Department of Computer Science degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

The Joint Bachelor of Science in Computer Science (BSCS) and Master of Science in Computer Science (MSCS) is designed for undergraduate

Code	Title	Hours
Prerequisite Courses		
MATH 180	Calculus I	4
One of the following:		3
CS 107	Introduction to Computing and Programming	
CS 109	Programming for Engineers with MatLab	
CS 111	Program Design I [a]	
CS 112	Program Design I in the Context of Biological Problems	
CS 113	Program Design I in the Context of Law and Public Policy	
Total Hours		**7**

Code	Title	Hours
Required Courses		
CS 141	Program Design II [b]	3
CS 151	Mathematical Foundations of Computing	3
CS 211	Programming Practicum	3
CS 251	Data Structures	4
Select one of the following:		3-4
CS 261	Machine Organization	
CS 301	Languages and Automata	
CS 341	Programming Language Design and Implementation	
CS 342	Software Design	
CS 401	Computer Algorithms I	
Any 400-level course in CS for which the prerequisites are met		
Total Hours		**16-17**

a *Students may receive credit for CS 111 through the proficiency exam.*
b *A student may substitute CS 107 for both CS 111 and CS 141. This substitution was designed solely for students in the ECE department in the College of Engineering.*

Minor in Information Technology

Requirements for the Minor

For the minor, 12 semester hours are required, excluding prerequisite courses. Students who wish to minor in Information Technology (IT) must complete the following:

Code	Title	Hours
Prerequisite Courses		
MATH 121	Precalculus Mathematics	5
Select one of the following:		3-4
IT 101	Java Programming for Information Technology	
CS 107	Introduction to Computing and Programming	
CS 141	Program Design II	
Total Hours		**8-9**

Code	Title	Hours
Required Courses		
IT 201	Introduction to Computer Configuration and Operating System Software	3
IT 202	Web and Multimedia Technology	3
IT 301	Networks and Distributed Computing Technology	3
IT 302	Database Administration and Installation	3
Total Hours		**12**

Department of Electrical and Computer Engineering

Contact Information:
Campus Location: 1020 Science and Engineering Offices (SEO)
(312) 996–3423
ecestudentaffairs@uic.edu
www.ece.uic.edu

Administration:
Department Head, Daniela Tuninetti, danielat@uic.edu
Director of Undergraduate Studies, Jim Kosmach, kosmach@uic.edu
ECE Student Services, ecestudentaffairs@uic.edu

BS in Electrical Engineering

The Electrical Engineering curriculum is concerned with analysis and design of modern electronic systems, devices, and signals for a broad range of applications such as wireless or network communication, electrical power and control, and multimedia information technology. The curriculum provides a wide background in the fundamental theory of electrical engineering and in the mathematical and scientific tools necessary for an electrical engineer to meet the current and future challenges of a professional career. The field of electrical engineering is currently evolving at a rapid pace since it has a major role in the accelerated growth of the technological world. This requires the modern electrical engineer not only to have a sound basis in the fundamental principles but also to have the capacity to learn and assimilate novel advances as soon as they materialize. These qualities are anticipated in the curriculum, which includes not only a sound theoretical background but also offers a variety of courses that develop the student's ability to gain knowledge autonomously and to combine it with contemporary design techniques. Courses are in diverse areas such as signal processing, power electronics, communications, optical and electromagnetic technologies, control systems, integrated circuits, multimedia networks, and image analysis.

The curriculum includes both required and elective courses. The required courses are in engineering, mathematics, and physics; they provide a wide backdrop in science and engineering. The elective courses are more specialized and offer a broad range of electrical engineering applications. Each student is assigned a faculty advisor who assists in the selection of the courses.

In addition to classroom experience, the Electrical Engineering curriculum is planned to provide laboratory experience in electrical and electronic circuits, electromagnetics, communication and signal processing,

- Practice and exhibit high ethical values and communicate effectively with colleagues and the public.
- Pursue advanced degrees or become engineers, researchers, innovators, consultants, or entrepreneurs.

Students interested in the Engineering Physics major should contact the Department of Electrical and Computer Engineering at e (uslenghi@uic.edu)cestudentaffairs@uic.edu (ecestudentaffairs@uic.edu).

Accreditation

- The computer engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET
- The electrical engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET
- The engineering physics program at UIC is accredited by the Engineering Accreditation Commission of ABET

Degree Programs

- BS in Computer Engineering (p. 277)
- BS in Electrical Engineering (p. 279)
- BS In Engineering Physics (p. 281)
- Joint BS in Computer Engineering/MS in Electrical and Computer Engineering (p. 282)
- Joint BS in Electrical Engineering/MS in Electrical and Computer Engineering (p. 283)
- Joint BS in Engineering Physics/MS in Electrical and Computer Engineering (p. 284)

Minors

- Minor in Computer Engineering (p. 285)
- Minor in Electrical Engineering (p. 285)

BS in Computer Engineering

Program Codes:
20FQ0109BS

Degree Requirements

To earn a Bachelor of Science in Computer Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Electrical and Computer Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies. See the ECE Department website for any revisions of the CE curriculum.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		53
Required in the College of Engineering		58
Technical Electives		17
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 220	Introduction to Differential Equations	3
MATH 310	Applied Linear Algebra	3
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
PHYS 260	Introduction to Thermal Physics	2
CHEM 122	Matter and Energy [c]	3
CHEM 123	Foundations of Chemical Inquiry I [b,c]	2
Total Hours		**53**

a *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses in this category.*
b *This course is approved for the Analyzing the Natural World General Education category.*
c *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

Required in the College of Engineering

Code	Title	Hours
Computer Engineering Core Courses		
ENGR 100	Engineering Success Seminar [a]	1
CS 107	Introduction to Computing and Programming	4
CS 151	Mathematical Foundations of Computing	3
CS 251	Data Structures	4
ECE 115	Introduction to Electrical and Computer Engineering	4
ECE 225	Circuit Analysis	4
ECE 265	Introduction to Logic Design	4
ECE 266	Introduction to Embedded Systems	4
ECE 310	Discrete and Continuous Signals and Systems	3
ECE 333	Computer Communication Networks I	4
ECE 340	Electronics I	4
ECE 341	Probability and Random Processes for Engineers	3

Second Semester		
ECE 333	Computer Communication Networks I	4
ECE 465	Digital Systems Design	3
ECE 466	Computer Architecture	3
ECE 467	Introduction to VLSI Design	4
General Education Core course		3
	Hours	**17**
Senior Year		
First Semester		
ECE 396	Senior Design I	2
Technical Elective		7
General Education Core course		6
	Hours	**15**
Second Semester		
ECE 397	Senior Design II	2
Technical Electives		10
ECE 499	Professional Development Seminar	0
General Education Core course		3
	Hours	**15**
	Total Hours	**128**

a *ENGR 100 is one-semester-hour course, but does not count toward the total hours required for graduation.*

BS in Electrical Engineering

Program Codes:
20FQ0115BS

Degree Requirements

To earn a Bachelor of Science in Electrical Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Electrical and Computer Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies. See the ECE Department website for any revisions of the EE curriculum.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		53
Required in the College of Engineering		58
Technical Electives		17
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 220	Introduction to Differential Equations	3
MATH 310	Applied Linear Algebra	3
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
PHYS 260	Introduction to Thermal Physics	2
CHEM 122	Matter and Energy [b,c]	3
CHEM 123	Foundations of Chemical Inquiry I [b,c]	2
Total Hours		**53**

a *Students should consult the General Education (p. 83) section of the catalog for a list of approved courses in this category.*
b *This course is approved for the Analyzing the Natural World General Education category.*
c *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

Required in the College of Engineering

Code	Title	Hours
Electrical Engineering Core Courses		
ENGR 100	Engineering Success Seminar [a]	1
CS 107	Introduction to Computing and Programming	4
ECE 115	Introduction to Electrical and Computer Engineering	4
ECE 225	Circuit Analysis	4
ECE 265	Introduction to Logic Design	4
ECE 266	Introduction to Embedded Systems	4
ECE 310	Discrete and Continuous Signals and Systems	3
ECE 311	Communication Engineering	4
ECE 317	Digital Signal Processing I	4
ECE 322	Introduction to Electromagnetics and Applications	4
ECE 340	Electronics I	4
ECE 341	Probability and Random Processes for Engineers	3
ECE 342	Electronics II	4
ECE 346	Solid State Device Theory	4
ECE 350	Principles of Automatic Control	4
ECE 396	Senior Design I	2
ECE 397	Senior Design II	2
ECE 499	Professional Development Seminar	0
Total Hours		**58**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

Technical Electives	13
Hours	**15**
Total Hours	**128**

a *ENGR 100 is one-semester-hour course, but does not count toward the total hours required for graduation*

BS in Engineering Physics

Program Codes:
20FQ0121BS

Degree Requirements

To earn a Bachelor of Science in Engineering Physics degree from UIC, students need to complete university and college degree requirements. The course requirements for this program are outlined below. Students should consult the College of Engineering section for additional degree requirements and college academic policies. See the ECE Department website for revisions to the Engineering Physics curriculum.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		72
Required in the College of Engineering		44
Mathematics-Related Elective		3
Technical Electives		9
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
PHYS 215	Computational and Mathematical Methods for the Physical Sciences	4
PHYS 240	Fundamentals of Modern Quantum Theory	3
PHYS 245	Introduction to Vibrations, Waves, and Thermal Physics	4
PHYS 411	Quantum Mechanics I	4
PHYS 441	Theoretical Mechanics	4
PHYS 481	Modern Experimental Physics I	4
PHYS 499	Survey of Physics Problems	1
CHEM 122	Matter and Energy [c]	3
CHEM 123	Foundations of Chemical Inquiry I [b,c]	2
Total Hours		**72**

a *Students should consult the* General Education (p. 83) *section of the catalog for a list of approved courses in this category.*
b *This course is approved for the Analyzing the Natural World General Education category.*
c *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

Required in the College of Engineering

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1
CME 260	Properties of Materials	3
CS 107	Introduction to Computing and Programming	4
ECE 115	Introduction to Electrical and Computer Engineering	4
ECE 225	Circuit Analysis	4
ECE 310	Discrete and Continuous Signals and Systems	3
ECE 322	Introduction to Electromagnetics and Applications	4
ECE 346	Solid State Device Theory	4
ECE 421	Introduction to Antennas and Wireless Propagation	3
ECE 440	Nanoelectronics	3
ECE 396	Senior Design I	2
ECE 397	Senior Design II	2
BME/PHYS 450	Molecular Biophysics of the Cell	4
ME 211	Fluid Mechanics I	4
ECE 499	Professional Development Seminar	0
Total Hours		**44**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

Mathematics-Related Elective

Code	Title	Hours
Courses		
Select one of the following:		**3**
MATH 310	Applied Linear Algebra	
MATH 417	Complex Analysis with Applications	
MATH 480	Applied Differential Equations	
MATH 481	Applied Partial Differential Equations	
MCS 471	Numerical Analysis	

MSECE degree upon completion of the program, with 8 hours of coursework shared between the two degrees.

The requirements for completion of the joint degree program are identical to the completion of the two separate degrees; however, 8 hours of shared coursework may be used for both degrees. Completion of 120 semester hours at the undergraduate level (p. 277); plus 8 shared hours counting toward both degrees; plus 28 hours at the graduate level will result in joint BSCE/MSECE degrees.

Students who have completed at least 30 hours of ECE core courses and have an overall institutional GPA of 3.25 or higher can apply for the joint program. Undergraduate students admitted into the joint program can register for two technical-elective ECE courses and receive graduate credit for them. In taking 400- level courses as graduate-level courses, students may take advantage of differential credit to earn 4 hours (in each course respectively), instead of the typical 3 hours (or they may earn 5 hours if the course is already a 4-hour course with a laboratory component). These two courses, which may apply up to 8 hours to both degrees, will require pre-approval by an academic advisor and will be recorded in the student's academic record by the ECE Student Affairs Office; in addition, the ECE Student Affairs Office will submit the necessary paperwork to allow the undergraduate student to register for the graduate section of these courses that will be used at the undergraduate level to fulfill 8 hours of technical elective requirements, and at the graduate-level to fulfill required coursework for the MS course-only option.

Sample Course Schedule

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ECE 115	Introduction to Electrical and Computer Engineering	4
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**16**
Second Semester		
MATH 181	Calculus II	4
PHYS 141	General Physics I (Mechanics)	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
CS 107	Introduction to Computing and Programming	4
	Hours	**15**
Sophomore Year		
First Semester		
MATH 210	Calculus III	3
PHYS 142	General Physics II (Electricity and Magnetism)	4
CS 151	Mathematical Foundations of Computing	3
ECE 265	Introduction to Logic Design	4
General Education Core course		3
	Hours	**17**
Second Semester		
MATH 220	Introduction to Differential Equations	3
PHYS 260	Introduction to Thermal Physics	2
ECE 225	Circuit Analysis	4
ECE 266	Introduction to Embedded Systems	4
CS 251	Data Structures	4
	Hours	**17**
Junior Year		
First Semester		
MATH 310	Applied Linear Algebra	3
ECE 310	Discrete and Continuous Signals and Systems	3
ECE 340	Electronics I	4
ECE 341	Probability and Random Processes for Engineers	3
ECE 366	Computer Organization	3
	Hours	**16**
Second Semester		
ECE 333	Computer Communication Networks I	4
ECE 465	Digital Systems Design	3
ECE 466	Computer Architecture	3
ECE 467	Introduction to VLSI Design	4
General Education Core courses		3
	Hours	**17**
Senior Year		
First Semester		
ECE 396	Senior Design I	2
Technical Electives		7
General Education Core courses		6
	Hours	**15**
Second Semester		
ECE 397	Senior Design II	2
ECE 499	Professional Development Seminar	0
Technical Electives		10
General Education Core course		3
	Hours	**15**
Fifth Year		
First Semester		
MS Coursework		14
	Hours	**14**
Second Semester		
MS Coursework		14
	Hours	**14**
	Total Hours	**156**

Joint BS in Electrical Engineering/ MS in Electrical and Computer Engineering

Degree Requirements

The joint Bachelor of Science in Electrical Engineering (BSEE) and Master of Science in Electrical and Computer Engineering (MSECE) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in electrical and computer engineering, or who wish to prepare themselves for advanced placement in the workplace. Students will earn both a BSEE degree and an MSECE degree upon completion of the program, with 8 hours of coursework shared between the two degrees.

The requirements for completion of the joint degree are identical to the completion of these two separate degrees; however, there are 8 hours of shared coursework may be used for both degrees. Completion of 120 semester hours at the undergraduate level; plus 8 shared hours counting toward both degrees; plus 28 semester hours at the graduate level will result in joint BSEE/MSECE degree.

Students who have completed at least 30 hours of ECE core courses and have an overall institutional GPA of 3.25 or higher can apply for the joint program. Undergraduate students admitted into the joint program

undergraduate level to fulfill 8 hours of technical elective requirements, and at the graduate level to fulfill required coursework for the MS course-only option.

Sample Course Schedule

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
ECE 115	Introduction to Electrical and Computer Engineering	4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**16**
Second Semester		
MATH 181	Calculus II	4
PHYS 141	General Physics I (Mechanics)	4
CS 107	Introduction to Computing and Programming	4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
General Education Core course		3
	Hours	**18**
Sophomore Year		
First Semester		
MATH 210	Calculus III	3
PHYS 142	General Physics II (Electricity and Magnetism)	4
CME 260	Properties of Materials	3
ME 211	Fluid Mechanics I	4
General Education Core course		3
	Hours	**17**
Second Semester		
MATH 220	Introduction to Differential Equations	3
PHYS 240	Fundamentals of Modern Quantum Theory	3
PHYS 245	Introduction to Vibrations, Waves, and Thermal Physics	4
Math Elective		3
General Education Core course		3
	Hours	**16**
Junior Year		
First Semester		
PHYS 215	Computational and Mathematical Methods for the Physical Sciences	4
PHYS 481	Modern Experimental Physics I	4
PHYS 499	Survey of Physics Problems	1
ECE 225	Circuit Analysis	4
ECE 346	Solid State Device Theory	4
	Hours	**17**
Second Semester		
PHYS 441	Theoretical Mechanics	4
ECE 310	Discrete and Continuous Signals and Systems	3
ECE 322	Introduction to Electromagnetics and Applications	4
ECE 440	Nanoelectronics	3
General Education Core course		3
	Hours	**17**
Senior Year		
First Semester		
PHYS 411	Quantum Mechanics I	4
ECE 396	Senior Design I	2
ECE 421	Introduction to Antennas and Wireless Propagation	3
Technical Elective		3
General Education Core course		3
	Hours	**15**
Second Semester		
BME 450	Molecular Biophysics of the Cell	4
ECE 397	Senior Design II	2
ECE 499	Professional Development Seminar	0
Technical Elective		3
Technical Elective		3
	Hours	**12**
Fifth Year		
First Semester		
MS Coursework		14
	Hours	**14**
Second Semester		
MS Coursework		14
	Hours	**14**
	Total Hours	**156**

Minor in Computer Engineering

Requirements for the Minor

For the minor, 18 semester hours are required, excluding prerequisite courses. Students outside the Department of Electrical and Computer Engineering must complete the following:

Code	Title	Hours
Prerequisite Courses		
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH 220	Introduction to Differential Equations	3
PHYS 141	General Physics I (Mechanics)	4
PHYS 142	General Physics II (Electricity and Magnetism)	4
CS 107	Introduction to Computing and Programming	4
ECE 115	Introduction to Electrical and Computer Engineering	4
Total Hours		**30**

Code	Title	Hours
Required Courses		
ECE 225	Circuit Analysis	4
ECE 265	Introduction to Logic Design	4
ECE 266	Introduction to Embedded Systems	4
ECE 366	Computer Organization	3
CS 211	Programming Practicum	3
Total Hours		**18**

Minor in Electrical Engineering

Requirements for the Minor

For the minor, 19 semester hours are required, excluding prerequisite courses. Students outside the Department of Electrical and Computer Engineering must complete the following:

Production engineering deals with the analysis, design, installation, and maintenance of operational and management systems involved in the production and distribution of goods and services. Such topics as quality control, production scheduling, production planning, inventory control, and maintenance policy are included in this area.

Systems engineering involves the theory and practice of modeling a general system design. The systems engineer develops mathematical, statistical, and computer models of complex systems to predict how a design or policy change will affect the real world. Human factors, maintenance, and safety engineering deal with the problems caused by the interaction of complex man-machine systems. The engineers in this area apply knowledge about sensory, perceptual, and mental characteristics in the engineering design of equipment and facilities to ensure worker comfort and safety.

Because the training of industrial engineers is so broad, they are in demand not only in all types of industry but also in service organizations, such as hospitals, banks, insurance companies, and research laboratories.

The program also emphasizes computer applications, professional ethics, communication skills, ability to work in a multidisciplinary team and awareness of broad education, lifelong learning, and contemporary issues.

The objectives of the Bachelor of Science in Industrial Engineering can be found online.

BS in Engineering Management

The College of Engineering and the College of Business Administration offer a joint program in engineering management that allows students latitude to study in both the business administration and engineering disciplines. This program prepares students to begin careers that may lead to administrative, staff, or management positions in small technological engineering or manufacturing operations or positions as production supervisors, administration staff, or managers of departments in large technological organizations. The program also prepares students for careers in large nontechnological organizations such as banks, which may require a combination of engineering and management experiences.

The Bachelor of Science in Engineering Management is awarded by the College of Engineering. Entrance requirements are the same as for the College of Engineering.

To complete the required 128 semester hours of university credit, students take required courses in engineering as well as courses in business administration, including accounting, finance, marketing, economics, and management. Additionally, there are required courses in English composition, mathematics, chemistry, and physics. Engineering courses are chosen from courses acceptable for other students in the College of Engineering. No more than 32 hours may be taken in courses offered by the College of Business Administration.

Accreditation

- The industrial engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET.
- The mechanical engineering program at UIC is accredited by the Engineering Accreditation Commission of ABET.

Degree Programs

- BS in Mechanical Engineering (p. 287)
- BS in Industrial Engineering (p. 289)
- BS in Engineering Management (p. 290)

Minors

- Minor in Mechanical Engineering (p. 292)
- Minor in Industrial Engineering (p. 292)

BS in Mechanical Engineering

Program Codes:
20FQ0133BS

Degree Requirements

To earn a Bachelor of Science in Mechanical Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Mechanical and Industrial Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		51
Required in the College of Engineering		62
Technical Electives		12
Electives outside the Major Rubric		3
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 220	Introduction to Differential Equations	3
CHEM 122	Matter and Energy [c]	3
CHEM 123	Foundations of Chemical Inquiry I [b,c]	2
PHYS 141	General Physics I (Mechanics)	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
MATH 310	Applied Linear Algebra	3
Total Hours		**51**

ME 370	Mechanical Engineering Design	3
Technical Elective		3
General Education Core course		3
	Hours	**16**
Senior Year		
First Semester		
ME 312	Dynamic Systems and Control	3
ME 396	Senior Design I [b]	3
IE 342	Probability and Statistics for Engineers	3
Elective Outside the Major Rubric		3
Technical Elective		3
	Hours	**15**
Second Semester		
ME 341	Experimental Methods in Mechanical Engineering	3
ME 397	Senior Design II [b]	3
ME 499	Professional Development Seminar [c]	0
General Education Core course		3
Technical Elective		3
Technical Elective		3
	Hours	**15**
	Total Hours	**128**

a *ENGR 100 is one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

b *ME 396 is only offered fall semester. ME 397 is only offered spring semester.*

c *ME 499 must be taken final semester.*

BS in Industrial Engineering

Program Codes:
20FQ0127BS

Degree Requirements

To earn a Bachelor of Science in Industrial Engineering degree from UIC, students need to complete university, college, and department degree requirements. The Department of Mechanical and Industrial Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		56
Required in the College of Engineering		57
Technical Electives		12
Electives outside the Major Rubric		3
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Exploring World Cultures course [a]		3
Understanding the Creative Arts course [a]		3
Understanding the Past course [a]		3
Understanding the Individual and Society course [a]		3
Understanding U.S. Society course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 220	Introduction to Differential Equations	3
MATH 310	Applied Linear Algebra	3
CHEM 122	Matter and Energy [b,c]	3
CHEM 123	Foundations of Chemical Inquiry I [b,c]	2
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
MGMT 340	Introduction to Organizations	3
STAT 362	Elements of Statistical Computing	2
Total Hours		**56**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

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

c *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

Required in the College of Engineering

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1
CME 201	Statics	3
CME 203	Strength of Materials	3
CS 109	Programming for Engineers with MatLab	3
ECE 210	Electrical Circuit Analysis	3
IE 201	Financial Engineering	3
IE 342	Probability and Statistics for Engineers	3
IE 345	Regression Applications and Forecasting in Engineering	3
IE 348	Artificial Intelligence and Data Mining for Engineering Applications	3
IE 365	Work Productivity Analysis	4
IE 380	Manufacturing Process Principles	3
IE 396	Senior Design I [b]	3
IE 397	Senior Design II [b]	2
IE 442	Design and Analysis of Experiments in Engineering	3
IE 463	Manufacturing Facilities Design and Material Handling	3
IE 466	Production Operation Analytics and Inventory Control	3
IE 467	Discrete Event Computer Simulation Application	3
IE 471	Operations Research I	3
IE 472	Operations Research II	3

degree requirements. The Department of Mechanical and Industrial Engineering degree requirements are outlined below. Students should consult the College of Engineering (p. 222) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Nonengineering and General Education Requirements		74
Required in the College of Engineering		52
Elective outside the Major Rubric		2
Total Hours		**128**

Nonengineering and General Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Past course [a]		3
Understanding the Creative Arts course [a]		3
Exploring World Cultures course [a]		3
MATH 180	Calculus I [b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 310	Applied Linear Algebra	3
CHEM 122	Matter and Energy [e]	3
CHEM 123	Foundations of Chemical Inquiry I [b,e]	2
PHYS 141	General Physics I (Mechanics) [b]	4
PHYS 142	General Physics II (Electricity and Magnetism) [b]	4
ACTG 210	Introduction to Financial Accounting	3
ACTG 211	Introduction to Managerial Accounting	3
ECON 120	Principles of Microeconomics [c,d]	4
ECON 121	Principles of Macroeconomics [c,d]	4
FIN 300	Introduction to Finance	3
MGMT 340	Introduction to Organizations	3
MGMT 350	Business and Its External Environment	3
MKTG 360	Introduction to Marketing	3
MGMT 495	Competitive Strategy	4
STAT 362	Elements of Statistical Computing	2
Total Hours		**74**

a *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

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

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

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

e *General Education credit is given for successful completion of both CHEM 122 and CHEM 123.*

Required in the College of Engineering

Code	Title	Hours
Required Courses		
ENGR 100	Engineering Success Seminar [a]	1
CME 201	Statics	3
CME 203	Strength of Materials	3
CS 109	Programming for Engineers with MatLab	3
IE 201	Financial Engineering	3
IE 342	Probability and Statistics for Engineers	3
IE 345	Regression Applications and Forecasting in Engineering	3
IE 365	Work Productivity Analysis	4
IE 380	Manufacturing Process Principles	3
IE 442	Design and Analysis of Experiments in Engineering	3
IE 446	Advanced Quality Control and Reliability	3
IE 461	Safety Engineering	3
IE 463	Manufacturing Facilities Design and Material Handling	3
IE 466	Production Operation Analytics and Inventory Control	3
IE 467	Discrete Event Computer Simulation Application	3
IE 471	Operations Research I	3
IE 472	Operations Research II	3
IE 473	Stochastic Processes and Queuing Models	3
IE 499	Professional Development Seminar	0
Total Hours		**52**

a *ENGR 100 is a one-semester-hour course, but the hour does not count toward the total hours required for graduation.*

Elective outside the Major Rubric

Code	Title	Hours
Electives		
Elective outside the IE Rubric and College of Business Administration		2
Total Hours		**2**

Sample Course Schedule— Engineering Management

Course	Title	Hours
Freshman Year		
First Semester		
MATH 180	Calculus I	4
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ECON 120	Principles of Microeconomics	4
ENGR 100	Engineering Success Seminar [a]	1
	Hours	**16**

MATH 310	Applied Linear Algebra	3
IE 201	Financial Engineering	3
Total Hours		**23**

Code	Title	Hours
Required Courses		
IE 342	Probability and Statistics for Engineers	3
IE 446	Advanced Quality Control and Reliability	3
IE 463	Manufacturing Facilities Design and Material Handling	3
IE 471	Operations Research I	3
Total Hours		**12**

Additional Interdisciplinary Opportunity

In addition to the programs in Engineering Management (see the Department of Mechanical and Industrial Engineering (p. 286) section) and Engineering Physics (see the Department of Electrical and Computer Engineering (p. 275) section), the College of Engineering offers the following interdisciplinary minor:

Minor in International Studies

The scope of operations for many engineering companies is becoming more international each year. These companies are placing a percentage of their engineers outside the United States. In order to be prepared for living and working in a different culture, the College of Engineering offers the International Studies Minor, a cluster of courses related to a specific country outside of the United States.

Minors

- Minor in International Studies (p. 293)

Minor in International Studies

Requirements for the Minor

The International Studies Minor consists of the following requirements:

- 18–21 semester hours of credit in foreign language and cultural studies courses related to a foreign country or geographical area of the world outside of the U.S. It is recommended that a majority of hours should be in nonlanguage courses.
- Minimum grade point average of 2.00/4.00.
- An academic or technical/industrial experience outside the U.S. that is supported by documentation.

Engineering students interested in completing the International Studies Minor should consult the College of Engineering main office in 123 SEO.

Honors College

Contact Information:
Campus Location: 103 Burnham Hall (BH)
(312) 413-2260
www.honors.uic.edu

Administration:
Dean, Ralph Keen
Assistant Dean for Student Services, Kathryn Burns-Howard
Assistant Dean for Admission and Recruitment, David Boyd
Assistant Dean for Curriculum and Outreach, Michele McCrillis
Assistant Dean for Administration, Yolanda Rodriguez-Venegas

Introduction

The UIC Honors College provides an environment for advanced academic growth, creative engagement, and a foundation for lifelong learning in the dynamic, urban environment that is the great city of Chicago – bringing together a diverse group of exceptional undergraduate students, faculty, and staff.

Each term, Honors College students are required to complete an honors activity, which enriches their experiences at UIC. Honors units are earned for each honors activity. Students who enter the Honors College as first year students must earn 18 Honors units; this is prorated for students who transfer into the Honors College after the first year. Students must also maintain a minimum grade point average of 3.40/4.00.

First year students enroll in an interdisciplinary honors core course each semester, which completes the honors activity requirement and fulfills university general education requirements. These courses are taught by faculty members from various departments and address significant themes while providing a challenging and intimate learning experience for Honors first year students.

Beyond the first year, students choose from a variety of honors activity options. These include honors courses, honors seminars in a broad range of disciplines, independent research projects, tutoring in the college peer tutoring program, honors projects in regular courses, and academic service learning. All students are required to complete an honors capstone project before graduation. All of these activities are monitored within a faculty advising/mentoring system that is one of the college's major strengths.

At the end of the first year, students are assigned to an Honors College fellow, who is a mentor in the student's major department. The fellows, faculty interested in working with honors students, include many of UIC's outstanding scholars. They act as advisors for students' honors work and as resources for advice and guidance on students' majors, curricula, preparation for graduate school, and careers. The Honors College fellow mentoring process puts students into close and continuing contact with faculty members at an early stage in their postsecondary education.

The Honors College provides merit- and need-based scholarship opportunities for beginning first year students and transfer students. Also, the college offers financial support to honors students pursuing research or international study. The college also offers tuition awards to its continuing student body; these scholarships are distributed based on a combination of merit and need. Other scholarship support for continuing Honors College students is also available; consult the college website for more information.

Honors College students appreciate the availability of facilities reserved exclusively for their use, including a computer lab, and social and study lounges. They also enjoy events, such as student-faculty luncheons, monthly socials, and the annual Honors College Ball. Honors College students produce a college newsletter (Ampersand), and a number of other publications, including an undergraduate literary journal (Red Shoes Review), pre-health professions journal (Journal of Pre-Health

Delta Phi Alpha

The Delta Phi Alpha National German Honorary Society began with the founding of the Alpha chapter at Wofford College in 1927 and now has constituent chapters at 236 colleges and universities throughout the United States. UIC's chapter was founded in 1968. The National German Honor Society seeks to recognize excellence in the study of German and to provide an incentive for higher scholarship. Qualifications for membership are as follows: a minimum of two years of college or university German or the equivalent, a minimum average of B+ or the equivalent in German courses, a minimum cumulative average of B- or the equivalent, and an indication of continued interest in the study of German language and literature. For more information, contact the Department of Germanic Studies at (312) 996-5218.

Eta Kappa Nu

Eta Kappa Nu is the international honor society for electrical and computer engineers. Founded in 1904, its purposes include the stimulation and reward of scholarship as well as assisting fellow members and nonmembers alike to improve the standards of the profession, the courses of instruction, and the institutions generally where its chapters are established. In order to be invited to join UIC's Iota Lambda Chapter of the society, the minimum requirements for electrical and computer engineering majors are junior standing with a cumulative grade point average in the top quarter, or senior standing with a cumulative grade point average in the top third of their electrical and computer engineering classes. Demonstrated community service is also a requirement for induction into Eta Kappa Nu. For more information, contact the Department of Electrical and Computer Engineering at (312) 996-3423.

Eta Sigma Phi

Eta Sigma Phi is the national honorary collegiate society for students of Latin and/or Greek. The purposes of the society, in the words of the constitution, are "to develop and promote interest in classical study among the students of colleges and universities; to promote closer fraternal relationship among the students who are interested in classical study, including intercampus relationship; to engage generally in an effort to stimulate interest in classical study, and in the history, art, and literature of ancient Greece and Rome." Active membership is limited to undergraduates who are enrolled in classes in Latin and/or Greek in the original languages. A student must meet the basic qualifications of an attained grade of not less than B in courses in Latin and Greek, with completion of at least one semester or two quarters. Please contact the Department of Classics and Mediterranean Studies at (312) 996-5539 for more information.

Gamma Kappa Alpha

Gamma Kappa Alpha, the national Italian honor society (the UIC Chapter was granted in 1986) for juniors and seniors, is designed to recognize outstanding scholastic performance in the fields of Italian language and literature. To be eligible, a student must have a minimum cumulative grade point average of 2.75/4.00 and a 3.00/4.00 GPA in all Italian courses taken. For information, contact the Department of Hispanic and Italian Studies at (312) 413-2346.

Golden Key National Honor Society

The Golden Key National Honor Society was founded in 1977 as a nonprofit organization whose purpose is to recognize and encourage academic excellence in all fields of endeavor. Membership is by invitation only and is offered to all full- or part-time students who have maintained a cumulative grade point average of 3.30/4.00 or higher and have successfully completed a minimum of 60 hours. For more information, contact (312) 996-4500.

Lambda Pi Eta

The purpose of Lambda Pi Eta is to recognize, foster, and reward outstanding scholastic achievement; to stimulate interest in the field of communication; to promote and encourage professional development among communication majors; to provide an opportunity to discuss and exchange ideas in the field of communication; and to establish and maintain close relationships and understanding between faculty and students. Members must have a 3.00/4.00 cumulative GPA; have a 3.25/4.00 GPA in Communication courses; have 60 credit hours completed overall; have 12 credit hours completed in Communication courses; rank in the upper 35% of their class; be full-time students in good standing; display commitment to the field of Communication. For more information, contact the Department of Communication at (312) 996-3187.

National Society of Collegiate Scholars

The National Society of Collegiate Scholars (NSCS) is an honors organization that recognizes and elevates high achievers. NSCS provides career and graduate school connections, leadership and service opportunities, and gives out a million dollars in scholarships annually. NSCS members are deeply committed to scholarship, leadership, and service and, as a result, are impacting their campus and local communities every day. Less than 10% of students at schools with NSCS chapters are invited to join. Nominations are sent to first and second year students with at least a minimum cumulative grade point average of 3.40/4.00. For more information, contact the chapter advisor, Doug Sheldon, at sheldond@uic.edu.

Nu Rho Psi

Nu Rho Psi is the National Honor Society in Neuroscience, founded in 2006 by the Faculty for Undergraduate Neuroscience. For more information, please contact the Department of Biological Sciences at (312) 996-2211.

Phi Beta Kappa

Founded in 1776, Phi Beta Kappa is the oldest scholastic honor society in the United States. The UIC chapter charter was granted in 1976. Phi Beta Kappa stresses excellence, broad liberal education, and moral leadership. Elections to Phi Beta Kappa are made in accordance with its own rules. New student members of Phi Beta Kappa are elected by faculty and university staff who themselves are members. Elections at UIC occur once a year, usually during the week of spring break. Successful candidates are notified shortly afterward by mail, with letters sent to the students' address on record (usually their permanent home address).

Membership selection is based on a number of factors, including (but not limited to):

- A minimum GPA of 3.70/4.00
- At least 90 degree credit hours earned, 60 or more of which were earned at UIC
- At least 90 credit hours in liberal arts and sciences courses (as opposed to applied, professional and/or technical courses)
- Completion of advanced-level courses beyond those in the declared major

the involvement of transfer students; and form a group of students who can help the university address and meet the needs of incoming transfer students. The UIC Chapter of Tau Sigma was started in 2006. Students who transfer to the university with at least one full year's worth of academic credit and earn a 3.50/4.00 or higher GPA after their first term at UIC are invited to join Tau Sigma. For more information, contact the Transfer Assistance Center.

College of Liberal Arts and Sciences

Contact Information:
Campus Location: Third Floor, University Hall (UH)
Academic Advising: (312) 996-3366
las.uic.edu

Administration:
Dean, Lisa Freeman
Executive Assistant Dean, Student Academic Affairs, Brian Roessler, Third Floor, UH
Associate Dean, Undergraduate Academic Affairs, Rosilie Hernandez-Pecoraro

Introduction

The College of Liberal Arts and Sciences (LAS) offers a wide range of programs and courses in the humanities, social sciences, and natural sciences. The offerings of LAS contribute to the educational quality, breadth, and vitality of UIC. The tradition of the liberal arts emphasizes holistic intellectual development rather than vocational and professional training. An understanding of human cultures, the natural universe, and social sciences provide the foundation for comprehending the complex and evolving world in which we live.

LAS undergraduate degree programs encompass a broad-based general education experience, a student-selected field of specialization, and elective courses to round out a student's interests. Students are encouraged to participate in faculty-led research and scholarly opportunities, as well as internships and study abroad. Graduates are prepared to pursue nearly any career path and further education.

In support of student progress to degree across a wide range of programs and academic opportunities in LAS and at UIC, LAS is home to a large network of professional academic advisors. College-based advising is required for all new students and throughout the first and second year for new first year students. Additionally, LAS strongly recommends that first year students enroll in a first year seminar course in their first term that supports students' transition from high school to college. All degree-seeking undergraduate students work with an assigned academic advisor in support of their academic success, see Academic Advising below for more details.

Degree Requirements

To earn a College of Liberal Arts and Sciences degree from UIC, students need to complete university, college, and department degree requirements.

Changes to graduation requirements and related policies are announced online. If requirements are changed, continuing students in LAS and those whose attendance at UIC has been interrupted for no more than two years may complete the current graduation requirements or may continue to meet those requirements in effect at the time of initial registration in the college. Students who return to UIC after an absence of more than two years are responsible for meeting the requirements of the university and college as well as of the major or curriculum in effect at the time of the student's reenrollment. For all students, however, if courses originally required are no longer offered or if external accrediting or certifying agencies modify their requirements, the college or department will specify substitutes.

University and college degree requirements for all College of Liberal Arts and Sciences students are outlined below. Students should consult their department section for additional degree requirements.

Semester Hour Requirement

Each of the degree programs listed below minimally requires a total of 120 semester hours.

Major	School	Degree Conferred	Total Hours
Anthropology	Anthropology	BA in Liberal Arts and Sciences	120
Applied Psychology	Psychology	BA in Liberal Arts and Sciences	120
Biochemistry[b]	Interdepartmental	BS in Biochemistry	120
Biological Sciences	Biological Sciences	BS in Liberal Arts and Sciences	120
Black Studies	Black Studies	BA in Liberal Arts and Sciences	120
Central and Eastern European Studies	Polish, Russian, and Lithuanian Studies	BA in Liberal Arts and Sciences	120
Chemistry—BA	Chemistry	BA in Liberal Arts and Sciences	120
Chemistry—BS[b]	Chemistry	BS in Chemistry	120
Classical Studies	Classics and Mediterranean Studies	BA in Liberal Arts and Sciences	120
Communication	Communication	BA in Liberal Arts and Sciences	120
Computer Science and Linguistics[b]	Interdepartmental	BS in Computer Science and Linguistics	120
Criminology, Law, and Justice	Criminology, Law, and Justice	BA in Liberal Arts and Sciences	120
Earth and Environmental Sciences	Earth and Environmental Sciences	BS in Liberal Arts and Sciences	120
Economics	Economics	BA in Liberal Arts and Sciences	120
English	English	BA in Liberal Arts and Sciences	120
English—Teacher Education[b]	English	BA in the Teaching of English	120

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. The following General Education Core requirements for the College of Liberal Arts and Sciences satisfy the University's minimum requirements. Students in the College of Liberal Arts and Sciences are required to take a total of nine courses. Of those, seven are prescribed: two laboratory courses in Analyzing the Natural World and one course in each of the other five categories. The remaining two courses may be chosen freely from among any of the six categories.

Students who register for a course that is listed in more than one category will have the flexibility of deciding which category the course will satisfy. They do not have to decide right away but may wait to see how their plan of study develops over time. The course, however, will fulfill the requirement of only one category. In other words, the course will not satisfy the requirement of two categories just because it is listed in two categories.

The General Education Core categories are as follows:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog.

Note: Up to two courses in the major may count toward fulfillment of General Education Core requirements. Students should see their department sections to determine if their major includes any approved General Education Core courses.

General Education Proficiencies—Foreign Language Requirement, Quantitative Reasoning Requirement, and University Writing Requirement

Foreign Language Requirement

The basic requirement is proficiency in a language that has a recognized literature or culture. The level of proficiency must be the equivalent of that expected of the student who has completed the elementary and intermediate levels of language study (i.e., the first two years) at the University of Illinois Chicago. Students studying a foreign language at UIC are strongly encouraged to register for required language courses in consecutive semesters until the requirement is met. Students may satisfy the requirement in any one of several ways:

1. By presenting qualifying scores on an Advanced Placement (AP) or International Baccalaureate (IB) examination in a foreign language, a qualifying score on a UIC foreign language placement test, a qualifying score on another authorized proficiency test for languages not offered at UIC, or appropriate coursework as awarded per the State Seal of Biliteracy.
2. By demonstrating proficiency in a language other than English via transferring college-level credit for a full or partial sequence of approved courses, as determined by the results of a placement test or placement by a language department.
3. With college approval, a student transferring from another university or another UIC college who has never been enrolled in LAS, who is admitted with senior standing and who has not satisfied the language requirement may do so by passing one course in a language sequence during each term in enrollment residence at UIC. Note: Seniors admitted with foreign language transfer credit must consult their LAS assigned advisor for the application for this rule.
4. By completing four semesters of language courses at UIC. The college currently offers complete sequences in Arabic, Chinese, French, German, Italian, Japanese, Korean, Latin, Lithuanian, Modern Greek, Polish, Russian, and Spanish.
5. By completing a partial sequence of language courses as determined by the results of a placement test or placement by a language department at UIC. The college determines eligibility for credit in a recommended course.
6. By presenting evidence of secondary education completed in a country where the language of instruction was other than English. No elementary- or intermediate-level course or proficiency credit will be given for that language. The language requirement, however, will be considered fulfilled only if the student receives college approval for application of this rule.
7. By presenting evidence of entry to the U.S. for the first time at the age of 12 or older from a country where a language other than English is the dominant or official language.
8. By demonstrating proficiency in American Sign Language via transferring credit for a full or partial sequence of approved courses from an accredited U.S. college or university, as determined by the results of a placement test or placement by a language department. Courses must include the study of deaf culture.
9. If a disability prevents or greatly impedes academic success in foreign language courses, with the support of the UIC Disability Resource Center, and an approved petition of the college, the Foreign Language Requirement may be completed via college approved course substitutions. Approved course substitution plans are determined on a case-by-case basis and typically require four courses, taught in English, that represent the culture, history, and literature relevant to a specific language area.

Quantitative Reasoning Requirement

Students in the College of Liberal Arts and Sciences must demonstrate competency in quantitative reasoning to earn a degree. Such competence can be demonstrated in any one of the following ways:

1. Achievement of a score on the mathematics placement examination high enough to qualify for enrollment in MATH 180. Placement in MATH 180 may be by other means determined by the Department of Mathematics, Statistics, and Computer Science.
2. Grade of C or better in any one of the following courses:

Code	Title	Hours
MATH 105	Mathematical Reasoning	4
MATH 110	College Algebra	4
MATH 121	Precalculus Mathematics	5
MATH 125	Elementary Linear Algebra	5
MATH 160	Finite Mathematics for Business	5
MATH 165	Calculus for Business	5
MATH 170	Calculus for the Life Sciences	4
MATH 180	Calculus I	4
STAT 101	Introduction to Statistics	4
STAT 130	Introduction to Statistics for the Life Sciences	4

courses that can generally increase knowledge and understanding. Elective courses should always be chosen by a student for educational reasons, not simply for convenience or for semester hours. Students may wish to pursue a second major, minor(s), or certificate(s) program in the fulfillment of their remaining degree hours.

Grade Point Average (GPA) Requirement

A student must earn a cumulative grade point average of at least 2.00/4.00 in all work taken at UIC. In addition, the combined average of a student's transfer work and work taken at UIC must be at least 2.00. A minimum grade point average of 2.00 is required for all courses in the major field. In addition, the combined average of transfer work and work taken at UIC in all courses in the major field must be at least 2.00. Some majors may require a higher grade point average. Failure to maintain the required minimum grade point average in the major may result in the student's dismissal from that major.

Graduation Declaration/Filing to Graduate

Students declare their intent to graduate online using my.UIC. Students who do not have access to my.UIC should contact the LAS Student Academic Affairs Office to file the Intent to Graduate form. The deadline for submission to the Pending Degree List is the end of the third week (fall and spring) or second week (Summer Session 2) of the term in which graduation is sought. Failure to submit the request at this time may delay the awarding of the degree. A final review will be made following the close of the term. If a student has satisfactorily completed all the degree requirements, the student's name will be placed on the official degree list.

The College of Liberal Arts and Sciences reserves the right to recommend the awarding of a degree once degree requirements have been fulfilled without prior request or approval of the student.

Enrollment Residence Requirement

For the major, a student must complete at least one-half of the coursework required for the major, excluding collateral course requirements, in enrollment residence at the University of Illinois Chicago. The major coursework completed in residence must include at least 12 semester hours at the advanced level.

For all coursework, either the first 90 semester hours or the last 30 semester hours of degree work must be completed in continuous, uninterrupted enrollment residence at the University of Illinois Chicago. Concurrent attendance at the University of Illinois Chicago and another collegiate institution, or enrollment at another institution, when approved by the student's college, does not interrupt the UIC enrollment residence requirement for graduation.

Credit earned through military service or non-UIC test-based credit such as but not limited to College Level Examination Program (CLEP), Advanced Placement Program (AP), International Baccalaureate Program (IB), and State Seal of Biliteracy will not apply to the last 30 semester hours of enrollment residence.

Study abroad and distance-learning courses that have been approved by the student's major department and by the college are not considered an interruption of enrollment residence for students in the College of Liberal Arts and Sciences.

60-hour Requirement

At a minimum, 60 semester hours are required at the University of Illinois Chicago or any other accredited four-year college or university. Additionally, students must complete the enrollment residency requirement to graduate (see Enrollment Residence Requirement).

Transfer Credit

Coursework completed at other colleges and universities may apply toward partial fulfillment of graduation requirements and may be used as prerequisites for courses at UIC. The University of Illinois Chicago is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows for the transfer of the IAI-approved General Education Core Curriculum between participating institutions. Please consult Illinois Articulation Initiative (p. 37) in the Admissions section of the catalog. The final decision, however, regarding the acceptance of credit and courses that apply toward degree requirements is made by the College of Liberal Arts and Sciences.

Students who transfer coursework may anticipate some loss of credit. This might require more time to complete the degree than had been originally planned. When the loss of credit occurs, it does not imply a negative evaluation of a student's transfer work but rather a lack of appropriateness for the programs of the college. Attendance at new transfer student orientation is strongly encouraged as an individualized assessment of progress-to-degree and appropriate course selection will be reviewed. New transfer students who are unable to attend orientation are required to complete an advising appointment before or during their first term to ensure continued enrollment. For more information regarding the transferability of credits prospective students may create an account at Transferology.

Transfer Credit for Continuing Students

Continuing students who want to take coursework for credit at another institution, either concurrent with UIC enrollment or during the summer term, must obtain prior approval from their LAS assigned advisor and, where appropriate, the relevant department to ensure the transferability of coursework. Students are obligated to report all work from other institutions. 60 hours at a four-year school are required for graduation (see 60-hour Requirement). Additionally, students must complete the enrollment residence requirement to graduate (see Enrollment Residence Requirement).

Secondary Education Program Requirements

Students who are preparing to teach at the secondary level enroll in programs supervised by the departments offering the various majors. These programs, which have state approval and differ in some respects from those of the arts and sciences programs, prepare the student for State of Illinois licensure.

Completion of a secondary education curriculum leads to either the Bachelor of Arts or the Bachelor of Science in the teaching of the field of specialization. The choice of a major determines the particular degree that will be awarded. Those who complete a secondary education curriculum may not pursue a second major or curriculum; only secondary education majors may elect a teacher education minor or endorsement. A student must choose a major field from the following academic disciplines: English, French, German, History, Mathematics, or Spanish. Detailed information is available in the College of Education (p. 207) section of the catalog.

Secondary Licensure

Students interested in completing the approved program leading to licensure at the secondary level should consult the College of Education. For information on licensure, consult the Council on Teacher Education.

7. Failure to make progress toward completion of an LAS degree.
8. Two or more consecutive terms of university withdrawals.

a *In other university publications, Dismissal Rules are sometimes referred to as Drop Rules. Term Notice and Academic Notice may be referred to as Probation.*

Appeal of a Dismissal Decision

Students who have been dismissed may apply for readmission after two terms (excluding the summer session), applications originate at the office of admissions. It is important to note, that students are afforded 15 weeks to complete a term withdrawal, available online, through the last day of instruction. In the event that serious health or personal issue prevented the student from completing the online term withdrawal by the deadline, or extenuating circumstances prevented the student from completing finals, students will have the limited opportunity to submit a written petition for immediate reinstatement. The student may request immediate reinstatement by following the guidelines as outlined in the college dismissal letter.

Change of Course Schedule

Adding Courses

Students may add courses for which they have met the prerequisite(s) if seats are still available during the first two weeks of the fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. Students should seek approval of the instructor to enroll in a class after the fifth day of the semester since some courses prohibit enrollment during the second week in accordance with college policy.

The deadline for adding or switching sections of ENGL 160 and ENGL 161 is the end of Week 1 of the semester. After Week 1, adding or switching sections of these courses is not permitted.

Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, or through the first Wednesday of Summer Session 1 and the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of the college. If the drop occurs between 0–2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring, a W is noted on the transcript. During their entire undergraduate degree program, undergraduate students may drop a maximum of four UIC individual courses that result in a W notation on their transcript. These drop requests are approved, regardless of the circumstances, provided that the student meets with an LAS academic advisor within the designated period and that the student has not exceeded the limit of four late drops. The merits of the student's request are not a factor in determining eligibility to late drop.

Given that four total course late drops are available to a student over the entire period in which they are enrolled at UIC, students are advised to evaluate their academic standing in the course with the instructor before requesting to exercise one of these four late drops.

Requests to drop a course after the tenth week of the fall and spring semesters, or requests to drop a course within the approved exception period in excess of the four automatic drops are not routinely granted unless there are exceptional circumstances outside of the student's control that can be documented. Requests must include a written petition and are reviewed by the committee on petitions. Poor performance in a course is not a sufficient reason to approve a request. Students may inquire about the petition process by contacting their LAS assigned academic advisor.

Course drop deadlines that apply to summer sessions are announced by the Office of the Registrar on its website.

Change of Major

Students seeking to change or add a major should declare the new major with the department offering that major (see Declaring a Major). Some programs require that specific requirements be fulfilled in order to declare a major and/or be retained in a major. For more information about LAS majors, see the Explore LAS Majors web page. For more information about pre-health/pre-science or differential tuition, see the differential tuition web page.

Class Attendance

Each instructor may establish their own attendance policy, including penalties for nonattendance. Failure to attend class does not result in automatic withdrawal from a course. The college expects that students will attend all classes. Students must be registered to attend courses and to earn credit.

Closed Courses

A course is considered closed or full when the enrollment maximum set for that course has been reached. Over-enrollment into a closed course or attendance in such a course is prohibited. Retroactive registration is not allowed. The academic department of instruction should be consulted when a lack of availability prevents progress-to-degree. Students are encouraged to take note of their registration time ticket, the date and time they are eligible to register. Students with advanced standing are permitted to register ahead of students who have earned fewer hours.

Course Prerequisites

A student must satisfy course prerequisites before enrolling in a course. A student enrolling in a course without having met the prerequisites may be withdrawn from the course without prior notification. See Course Backtracking below. Course prerequisites are listed in both the Course Descriptions section of the catalog and XE Registration/View Classes in my.UIC.edu. **Warning**: Registration in a course without meeting prerequisites does not imply approval of the registration.

Course Backtracking

Course backtracking, taking a#prerequisite courseafter earning credit in a successive course (see: Course Prerequisites above), is not permitted. When a student has backtracked, the earned grade of A, B, or C in the prerequisite course will be changed to CR.

Credit/No Credit Option

The credit/no credit option allows the student to complete a course with a grade of credit (CR) or no credit (NC) instead of a letter grade. Courses completed with a grade of CR carry credit and apply toward degree requirements. In general, grades of CR and NC are final and cannot be changed to letter grades. College policy coincides with campus policy with the following conditions:

1. Only students in good standing may elect to take a course under the credit/no credit option. Students on probation and those whose status

- BS in Computer Science and Linguistics and BS in LAS Major in Mathematics and Computer Science, Concentration in Algorithms and Theory
- BS in LAS Major in Biological Sciences and BS in Chemistry
- BS in Biochemistry and BS in LAS Major in Biological Sciences
- BS in Biochemistry and BA in LAS Major in Chemistry
- BS in Biochemistry and BS in Chemistry
- BS in Biochemistry and BS in Neuroscience
- BS in LAS Major in Integrated Health Studies, Concentration in Health and Science and BS in LAS Major in Biological Sciences
- BS in LAS Major in Integrated Health Studies, Concentration in Behavioral Health and BA in LAS Major in Psychology (both Applied and General)
- BS in LAS Major in Mathematics and Computer Science and BS in LAS Major in Mathematics
- BS in LAS Major in Mathematics and Computer Science and BS in LAS Major in Statistics
- BS in Neuroscience and BS in LAS Major in Biological Sciences
- BS in Neuroscience and BS in LAS Major in Integrated Health Studies
- BS in Neuroscience and BA in LAS Major in Psychology (both Applied and General)
- Any teaching education degree with a degree from the same academic department

Students pursuing programs across colleges will not be awarded where the first degree and the proposed second degree involve the study of a similar area or substantial duplication of coursework (exe: a Bachelor of Science in Liberal Arts and Sciences with a major in Biological Sciences and a Bachelor of Science in Biomedical Engineering). Students from other colleges may complete an online application for a double degree.

Second Bachelor's Degree

A student with a bachelor's degree from UIC or another institution may receive a second bachelor's degree from the College of Liberal Arts and Sciences subsequent to the first undergraduate degree. The student must complete 30 semester hours of credit at UIC beyond the requirements for the first degree in courses not offered for the first degree. In addition, the student must complete all degree requirements of the college (foreign language, quantitative reasoning, and general education) and the major department. For specific information on these requirements, consult the department listings in the catalog.

A second bachelor's degree will not be approved if the first degree and the proposed second degree involve the study of a similar area or substantial duplication of coursework, see prohibited degree program list under double degree. Proposed second degrees involving the same area of study with a minor may not be approved. The student must apply via the office of admissions as a second degree-seeking student. The college does not approve requests for more than two bachelor's degrees, nor for bachelor's degrees subsequent to a graduate degree. The College of Liberal Arts and Sciences reserves the right to restrict enrollment of students into its academic programs based on space availability.

Rules Governing the Major

The major consists of discipline-specific courses, excluding required prerequisite and collateral courses outside of the major department. Specialized curricula include all courses required for the undergraduate degree. Degree program listings in the department sections address these differences.

A liberal arts and sciences degree program may not include less than 27 or more than 40 semester hours of coursework in the major field and 36 semester hours of prerequisites and collateral coursework. For those departments and programs that require prerequisites and collateral courses, the total field of specialization may not exceed 72 semester hours. Writing-in-the-Discipline courses may be excluded from this limitation. The major, exclusive of collateral courses, must include 14 semester hours of upper-division (200-, 300-, or 400-level) courses. Specialized curricula must meet the minimum requirements for graduation in the college. The maximum number of hours allowed in a specialized curriculum will be considered on a case-by-case basis.

Enrollment Residence Requirement in the Major

At least one-half of the coursework required for the major field must be completed in enrollment residence at UIC. Credit earned through military service or non-UIC test-based credit such as but not limited to College Level Examination Program (CLEP), Advanced Placement Program (AP), International Baccalaureate Program (IB), and State Seal of Biliteracy does not apply.

Double Major

Cross-listed courses may count toward specific requirements in each major, including the semester hours. A student need not repeat coursework, duplicate requirements, or make up semester hours to complete the second major. Students may not double major across colleges.

Graduate-Level Courses for Undergraduate Credit

With department approval, an undergraduate student may enroll in a course in the Graduate College (500 level) for undergraduate elective credit. With the approval of the director of undergraduate studies, graduate-level credit may be applied toward a student's major. Prior to enrollment students must obtain instructor approval and fulfill any stated prerequisites.

Students should understand that graduate-level courses taken by an undergraduate student are generally not applicable toward a graduate degree, except in designated joint degree programs.

Cross-Listed Courses

Courses cross-listed in two or more departments have equivalent standing in each department and are treated as the same course regardless of the department under which the registration occurs.

Independent Study Course Options

A number of departments offer independent study course options (research, field experience, internship, and independent study) in which a student's special interests may be pursued under the direction of a faculty member. To enroll in such a course in any UIC college, the LAS student must have a minimum 2.50/4.00 grade point average in all coursework taken at UIC and must obtain the consent of the instructor and the department offering the course prior to registration. No student may enroll in an independent study course option after the tenth day of the term without the approval of the department and the dean's office.

A maximum of 8 semester hours in any of the independent study course options in a given department or program may count toward the degree. No more than 16 semester hours of independent study credit may apply

information on eligibility criteria, consult Proficiency Examinations for Enrolled Students in the Academic Standing (p. 67) section.

Retroactive Credit for Writing Composition

A student who places into ENGL 161 via the Writing Placement Test and subsequently passes ENGL 161 with a grade of B or higher may receive academic proficiency credit for ENGL 160. The ENGL 160 requirement would still be waived for any student who does not earn a grade of B or higher in ENGL 161, but credit for ENGL 160 would not be granted. This applies only to incoming students who place into ENGL 161 via the placement test and who do not have prior credit for college writing coursework.

Additionally, a student who places into ENGL 161 via the Writing Placement Test and subsequently passes HUM 120 with a final grade of B or higher may receive academic proficiency credit for ENGL 160. The ENGL 160 requirement would still be waived for any student who does not earn a grade of B or higher in HUM 120, but credit for ENGL 160 would not be granted. This applies only to incoming students who place into ENGL 161 via the placement test and who do not have prior credit for college writing coursework.

Retroactive Credits in Foreign Language

A student who has placed into the 104 or higher level of a foreign language taught at UIC as the result of the UIC administered placement tests may receive academic proficiency credits for prerequisite courses.

- Placement into the 104-level provides four hours of proficiency credit for the 103-level course if the student completes the 104-level course with a grade of B or higher.
- Placement into the final course in a heritage language sequence will provide four hours of credit for the prerequisite course, if the student completes the course with a B or higher.
- Placement at the 200-level, i.e., student has satisfied the college foreign language requirement through placement testing, provides four hours of proficiency credit for the 103-level course and four hours of proficiency credit for the 104-level course if the student completes the 200-level course with a grade of B or higher. The same provision applies to heritage language course placement except that proficiency credit is awarded for the two previous prerequisite heritage courses.
- These credits are awarded only for courses taught at UIC and only on the basis of new student placement test results for those with no prior college-level foreign language credits. Retroactive credit may be applied for a single student for more than one language sequence.
- Proficiency credits appear as “PS” on the transcript and are not calculated into the grade point average. Proficiency credit does not apply to placements based on AP or IB scores for which credits are applied in a prescribed manner. CLEP credits are not accepted for foreign language courses.
- Proficiency credit is not awarded for a 104-level course if a student has transfer, AP, or IB credit for a 103-level course, and then places into and receives an A or B in a 200-level course at UIC.
- Students are eligible for proficiency credits in a language that they have not previously earned credit in, even if they have previously taken course(s) in another foreign language. For example, if a student has earned credit in Polish, but now wants to study Chinese and places into CHIN 104, they could be eligible for proficiency credit in CHIN 103, if they take and pass CHIN 104 with a grade of B or higher.
- Native speakers of a foreign language, including international students, are eligible to earn retroactive foreign language credits.
- Students to whom this section applies must initiate the request for the credits with their assigned academic advisor in the LAS Academic Advising Center.

Registration Approval

All new first year students are required to attend new student advising and registration (p. 310) program prior to registration. Certain students, such as readmits, may be required to see their assigned advisor prior to registration. First year students are required to meet with a college academic advisor during their first two semesters in order to register for the following semester.

Repeat Policy for Standard Graded Courses

Courses in which a student earned a grade of A or B or C may not be repeated. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the transcript. The original grade and the grade for each repeat will be calculated into the grade point average. Only one registration for the course counts toward the total number of credits required for graduation. A student may not repeat a course after receiving credit in a course for which the repeat course is a prerequisite, administrative sanctions may apply, see Course Backtracking above.

To repeat a course more than once (third attempt) requires written permission from the student’s college dean. Failure to obtain consent is subject to administrative registration revision. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should consult their college before repeating a course.

Undergraduate Grade Point Average Recalculation Policy

- Colleges may elect to implement this policy as early as the end of the junior year, or as late as the final semester during degree certification.
- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The semester hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree-seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- In cases where these procedures would impact program accreditation, licensure or similar, colleges may use their discretion

- A teacher education minor may be completed only by a secondary education major.
- Also, with few exceptions, a minor will not be approved if the student's major and proposed minor are in the same department.
  - Allowable exceptions:
    - BS in Computer Science and Linguistics and a Minor in Chinese
    - Major in Classical Studies and Minor in Arabic
    - Major in Criminology, Law, and Justice and Minor in Law and Society (Public Law concentration only, CLJ course not allowed)
    - Major in Gender and Women's Studies and Minor in Social Justice
    - Major in Political Science and Minor in Law and Society (Criminal Justice or Law in Social Context concentrations only, POLS courses not allowed)
- Minors that have substantial overlap with major and specialized curriculum content are not allowed.
  - Prohibited combinations:
    - BA in LAS Major in Political Science, Concentration in Law and Courts and Minor in Law and Society, Public Law track
    - BS in LAS Major in Integrated Health Studies, Concentration in Health and Science and Minor in Biological Sciences
    - BS in LAS Major in Integrated Health Studies, Concentration in Behavioral Health and Minor in Psychology
    - BS in LAS Major in Mathematics and Computer Science and Minor in Mathematics
    - BS in Biochemistry and Minor in Biological Sciences
    - BS in Biochemistry and Minor in Chemistry
    - BS in Computer Science and Linguistics and Minor in Linguistics
    - BS in Computer Science and Linguistics and Minor in Mathematics and Computer Science
    - BS in Neuroscience and Minor in Biological Sciences
    - BS in Neuroscience and Minor in Psychology
    - All Teacher Education Degrees and minor in same content department
  - A double minor may not be approved if the second minor involves the same area of study or substantial duplication of coursework with the student's first minor.

Course-Level Requirement for the Minor

At least 9 semester hours in the minor field must be at the advanced level (200-, 300-, or 400-level courses), except in a foreign language, where a minimum of 6 semester hours is required. Of the 9 semester hours at the advanced level, 6 must be in enrollment residence at the University of Illinois Chicago. A minimum grade point average of 2.00/4.00 is required for all courses in the minor field. In addition, the combined grade point average of transfer coursework and coursework taken at UIC in all courses in the minor field must be at least 2.00.

Enrollment Residence Requirement in the Minor

A student must complete at least one-half of the coursework required for the minor field in enrollment residence at UIC. Credit earned through military service or non-UIC test-based credit such as but not limited to College Level Examination Program (CLEP), Advanced Placement Program (AP), International Baccalaureate Program (IB), and State Seal of Biliteracy does not apply.

Undergraduate Campus Certificates

The following campus certificates are available to undergraduate students.

Code	Title	Hours
Certificate	**Department**	
Academic Spanish for Heritage Speakers	Hispanic and Italian Studies	16
German Language	Germanic Studies	17
Medical Humanities	Anthropology	15
Polish Language	Polish, Russian, and Lithuanian Studies	17
Russian Language	Polish, Russian, and Lithuanian Studies	17

Undergraduate certificates are designed for individuals enrolled in a UIC undergraduate program and are awarded only upon completion of the undergraduate degree. A certificate may not be approved if it involves the same area of study or substantial duplication of coursework with the student's major, specialized curriculum, or minor.

Enrollment Residence Requirement in the Certificate

A student must complete at least one-half of the coursework required for the certificate in enrollment residence at UIC. Some certificates may have additional requirements related to residency. Credit earned through military service or non-UIC test-based credit such as but not limited to College Level Examination Program (CLEP), Advanced Placement Program (AP), International Baccalaureate Program (IB), and State Seal of Biliteracy does not apply toward enrollment residence for the certificate.

Academic Advising

Academic Advising Mission Statement

The Office of Student Academic Affairs of the College of Liberal Arts and Sciences recognizes that undergraduate students expect to receive a quality education in a quality environment. It is the role of Student Academic Affairs to ensure that, in the continuum from admission through graduation, the student's individual educational needs are met while maintaining the academic standards established by the faculty of the college. As a primary source of college information, the professional staff of LAS Student Academic Affairs promotes and facilitates excellence through academic advising. The Office of LAS Student Academic Affairs believes that its services should assist in maximizing the academic experience and student achievement in the expectation that students will become lifelong learners and attain their career objectives.

Degree Advising

The LAS Academic Advising Center is comprised of full-time professional academic advisors who are available to undergraduate students and serve as representatives of the dean. College-based academic advisors are an LAS student's primary point of contact and the only professional staff at UIC that certify the student's completion of a degree. All LAS undergraduates are assigned an academic advisor, as such academic advisors have cohorts of students. LAS academic advisors collaborate with stakeholders within the college, including LAS administration, department heads and chairs, directors of undergraduate studies,

employer sought after competencies, see Major Exploration and Career Development (p. 311) below.

Campus Collaboration and Referral

As a student's primary point of contact for their academic degree, LAS assigned academic advising will refer students to LAS pre-health, pre-law, and career development programming and advisement. In addition to college resources, the assigned advisors will refer students to campus resources when they are in need of additional support. Campus partners include student success centers, cultural centers, leadership programs, career services and learning centers that provide additional support such as mentoring, academic coaching, tutoring, financial assistance, and academic skills development such as; test-taking strategies, time management, and tutoring, as well as soft skill development such as professional conduct, career readiness, and major exploration. A listing of campus resources is available online.

uAchieve Degree Audit

The uAchieve Degree Audit is an individualized report that displays all courses a student has completed and demonstrates their progress towards meeting their degree requirements. A student's degree audit is available to them at any time via uAchieve Degree Audit in the student portal: my.UIC. Students should review their degree audit regularly and always consult with their LAS academic advisor(s) if they have questions. uAchieve also features the ability to view a hypothetical degree audit, which allows a student to see how their completed and in-progress courses would be applied to a major that is different than their current one.

The responsibility for selecting courses and meeting graduation requirements rests with the students, who must plan well to make their programs consistent with their goals and with college requirements. All LAS students should review a uAchieve Degree Audit analysis with their LAS academic advisors in the college at least annually.

This review of earned credits can assist students in planning their program of study. Degree audits obtained online should be confirmed by a college advisor. Four-year plans of study are available for each academic program and serve as a guide for degree planning. See specific departments for more details.

First Year Seminar

To support the transition from high school to college and build one's UIC support network, the College of Liberal Arts and Sciences strongly recommends that all new first-year students enroll in a first year seminar. Students work with their advisor during New Student Advising & Registration to select an appropriate first year seminar. The college strongly recommends enrollment in LAS 110.[a]

With an emphasis on small group activities, LAS 110 allows first year students to collaborate with classmates to learn how to be successful at UIC. The goal of this class is to help students identify and utilize UIC programs, resources, and services that will support academic success. Students explore strengths and motivation and apply self-knowledge to personal and academic planning. With an emphasis on building a sense of belonging through interactive activities, students build a support network at UIC that will serve as the foundation of success in college and beyond. More information on LAS 110 is available online.

a *First year students enrolled in the Honors College may enroll in HON 101. Students may opt to enroll in DLG 120 in place of LAS 110*

Career Development and Internships

The Liberal Arts and Sciences Career Development and Internships Office supports students throughout every step of the career and major exploration process. The office provides individualized career counseling appointments, online resources, workshops, and networking events to help students explore their unique interests, skills, motivations, strengths, and values to ensure students are exposed to valuable experiences and internships that promote career readiness. Students are encouraged to activate their UIC Handshake account to explore part-time, on-campus, internship, research, and career opportunities.

The office hosts various programs and events to encourage students to broaden their interests and build connections such as Careers Social Services, Internship Bootcamp, Grow Your Gap, Journey to My Major, and Health Professions Forum. LAS students are encouraged to schedule an appointment to have deeper conversations regarding major exploration, the internship search process, experiential learning opportunities, options for course credit, and ways to strengthen their professional brand. For more information about these resources, services, and career programs, students can visit the LAS Career Development and Internships Office website and on Instagram, @uiclascareer.

Major Exploration

The LAS Career Development and Internships Office provides guidance and support to students who are undecided about their major or navigating career options with their chosen LAS major. Through individualized career advising and exploratory workshops, the office guides students in identifying interests, skills, motivations, and values to support their major and career exploration process. Students also have access to online assessments, exploratory resources, and digital career success guides to support their self-guided research and development of their professional identity.

Once a student has decided on a major, it is recommended that they make an appointment with their departmental advisor every semester. Topics in these appointments might include course selection and progress in major courses, long-term planning, and enrichment opportunities such as research, internships, independent study, or study abroad. In addition to opportunities available through their academic departments, all students are encouraged to participate in career development activities, such as work experience, internships, campus involvement, volunteering, community service, and networking through job shadowing and conducting informational interviews. Additionally, students are also encouraged to work with UIC Career Services to benefit from the career fairs, networking events, employer information sessions and career advising.

LAS 200 Career Success Course

The Career Success course is eight weeks and covers a wide range of career readiness activities to foster and strengthen skills necessary for managing a professional career. Students focus on their strengths, skills, values, unique experiences, interests, and academic achievements to develop a competitive brand and feel confident in their internship/job search. Students develop a self-marketing package including creating a competitive resume and cover letter, understanding, and articulating their professional brand, polishing their interviewing skills, learning networking strategies, and connecting with alumni and professionals. This course is available to LAS sophomores, juniors, and seniors. For more information visit the LAS 200 Career Success Course.

Academic Honors

College Honors

The student who has demonstrated outstanding academic excellence throughout the entire undergraduate program may be eligible for graduation with College Honors. College Honors will be awarded at the time of graduation to those students who have earned a UIC and Cumulative GPA of at least 3.50/4.00.

Dean's List

Exceptional academic achievement in the College of Liberal Arts and Sciences is recognized each term by inclusion on the Dean's List. Eligibility is based on a 3.50/4.00 term GPA with a minimum program of 12 semester hours applicable towards the overall degree, exclusive of basic military science and basic activity courses in physical education. At least 9 semester hours must be earned for letter grades, in addition to a grade of Credit earned in any course taken on a credit/no credit basis.

Study Abroad

The College of Liberal Arts and Sciences offers study abroad programs for students studying or fluent in French, German, or Spanish. These programs do not interrupt enrollment residence and with department and college approval, students may apply credit earned in the program toward the degree. More detailed information on these programs is available from the individual department. Extensive study abroad opportunities are offered by the UIC Study Abroad Office. For more information, please visit the Study Abroad website. While it is strongly recommended that students pursue their study abroad experience via UIC's Student Abroad Office or via an academic department, students may also pursue studies independently at accredited foreign universities with the approval of the college. For details, students can contact their assigned LAS academic advisor.

Department of Anthropology

Contact Information:
Campus Location: 2102 Behavioral Sciences Building (BSB)
(312) 413–3570
anthoffice@uic.edu
anth.uic.edu

Administration:
Head: Sloan Williams, sloanw@uic.edu
Director of Undergraduate Studies: Vincent LaMotta, vlamotta@uic.edu

Anthropology is the study of human culture, society, and biology across time and space. Through three fields of inquiry—sociocultural anthropology, biological anthropology, and archaeology—UIC anthropology provides a holistic approach to understanding human cultures and societies from prehistory to the present. By providing contemporary perspectives on culture and society, sociocultural anthropology prepares students to understand the complex problems and challenges posed by a globalized society and economy. Through explorations of the complex relationship between culture and biology, biological anthropology prepares students to think about how cultural understandings, social experiences and positions, and health are intertwined. Archaeology extends these understandings into the past, excavating the deep relationship between human history, prehistory, and the present. The expertise of the faculty affords students the opportunity to pursue interests in most of the major time periods and geographic areas of the world.

An undergraduate education in anthropology provides valuable preparation for many careers that involve working with individuals of diverse national or ethnic backgrounds. Undergraduate majors have found careers in global public health, healthcare services, social case work, cultural resource management, museum education, public housing, employment and personnel counseling, public office, the Peace Corps, field archaeology, import businesses, market research, the Foreign Service, and social and environmental planning. Anthropology majors are also well positioned to continue their education, not only to be career anthropologists, but to enter professions such as computer programming, law, medicine, business, urban planning, nonprofit management, and public administration.

Distinction in Anthropology

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

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

Degree Program

- BA with a Major in Anthropology (p. 313)

Minors

- Minor in Anthropology (p. 314)
- Minor in Global Middle East Studies (p. 315)

Certificates

- Certificate in Medical Humanities (p. 315)

BA with a Major in Anthropology

Program Codes:
20FT0340BA

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Anthropology degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		32-38

Minor in Global Middle East Studies

Minor Requirements

The minor requires a total of 15 semester hours (five courses), including two core courses and three related elective courses. Elective courses should be chosen in consultation with an advisor. At least one elective course must be at the 200 level or above. Some recommended electives are listed below, but it is not a comprehensive list of appropriate courses. A maximum of 6 semester hours can be double-counted toward both this minor and another academic program.

Code	Title	Hours
Required Courses		
Select one of the following:		3
ANTH 245	Anthropology of the Middle East	
HIST 278	The Middle East Since 1258	
Select one of the following:		3
GLAS 242	Introduction to Arab American Studies	
GLAS 244	Arab and Asian Connections in the U.S. and Globally	
9 hours of related elective courses approved by an advisor. At least one elective course (3 hours) must be at the 200 level or above. [a]		9
Total Hours		**15**

a *Students who earn credit for both courses eligible to satisfy a single foundational requirement (e.g., credit for both GLAS 242 and GLAS 244) may count the second course toward the elective requirement.*

Code	Title	Hours
Recommended Electives		
This list is meant to help students identify potentially relevant electives across the disciplines. Students should work with the program advisor to determine which of these and other related courses they will take as electives for the minor. Prerequisites should be factored in when considering elective options		
AH/CL 209	Near Eastern Art and Archaeology	3
AH/BLST/CL 210	Ancient Egyptian Art and Archaeology	3
AH/ANTH/CL 466	Material Worlds: Topics in Material Culture Studies	3
ARAB 230	Arabic Literature in Translation	3
ARAB 250	The Heritage of Muslim Iberia	3
ARAB/MOVI 270	The Reel Arab	3
BLST/SOC 207	Racism: Global Perspectives	3
BLST/SOC 407	Seminar in Comparative Racialization	3
GWS/ANTH/GLAS 255	Introduction to Middle East and Muslim Feminisms	3
GWS 409	Women and Gender in the Middle East	3
HIST/RELS 177	Middle Eastern Civilization	3
HIST 277	The Middle East to 1258	3
HIST 477	Topics in Middle Eastern History	3
POLS/JST 243	Politics and Government of the Middle East	3

Certificate in Medical Humanities

The Certificate in Medical Humanities allows students to use interdisciplinary approaches to explore and understand how health and health care operate in diverse cultural and social contexts. The certificate is recommended for students who intend to enter a health profession and wish to work more effectively in cross-cultural settings, but it is open to undergraduate students from any college or major.

Certificate Requirements

Students can satisfy the requirements of the certificate by completing 15 hours in the following courses:

Code	Title	Hours
Required Courses [a]		
ANTH 216	Medicine, Culture, and Society	3
Select one of the following:		3
COMM 205	The Health Media Environment	
ECON 215	Health Economics	
GWS 262	Constructions of Gender, Race, Health, and Human Rights	
PHIL 116	Biomedical Ethics	
SOC 251	Health and Medicine	
Three electives, to be chosen with the advisor. Must deal with the background, experiences, and unique challenges of different groups and populations who engage with healthcare systems.		9
Total Hours		**15**

a *At least nine of the 15 hours in the certificate must be at the 200 level or above. At least half of the credits must be completed in residence at UIC, and no more than six total hours (two classes) may satisfy requirements for both the Certificate in Medical Humanities and the student's major or minor.*

Biochemistry

Contact Information:
(312) 996–3161
chem.uic.edu

Administration:
Interdepartmental Biochemistry Committee: Louise E. Anderson (Biological Sciences), Wonwha Cho (Chemistry), Constance Jeffery (Biological Sciences), Brian Nichols (Biological Sciences)

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

CHEM 314	Inorganic Chemistry	4
Electives, chosen in consultation with an academic advisor, including at least two advanced-level courses (6 hours) in the biological sciences. One of these courses must be from either the area of cell and molecular biology or the area of microbiology.		9-30
Total Hours		**120**

a *Students should consult the* General Education *(p. 83) 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: CHEM 122 /CHEM 123 and CHEM 124/CHEM 125.*
e *Students who wish to use the CHEM 342/CHEM 343/CHEM 346 option to satisfy the physical chemistry requirement will also need to choose PHYS 141/PHYS 142 to satisfy their physics requirement and will need to take MATH 210 as a corequisite for CHEM 342.*
f *CHEM 343 fulfills the LAS Writing-in-the-Discipline requirement.*

Recommended Plan of Study

Students who are not ready to take MATH 180 and CHEM 122/CHEM 123 in the first year should expect to take summer session courses and/or take longer than four years to graduate.

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
BIOS 110 or BIOS 120	Biology of Cells and Organisms or Biology of Populations and Communities	4
Select one of the following:		5
CHEM 116	Honors and Majors General and Analytical Chemistry I [a,b]	
OR		
CHEM 122	Matter and Energy [a]	
CHEM 123	Foundations of Chemical Inquiry I [a,c]	
General Education Requirement course		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 180	Calculus I [d]	4
Select one of the following:		5
CHEM 118	Honors and Majors General and Analytical Chemistry II [a,b]	
OR		
CHEM 124	Chemical Dynamics [a]	
CHEM 125	Foundations of Chemical Inquiry II [a,c]	
General Education Requirement course		3
	Hours	**15**
Second Year		
Fall Semester		
CHEM 232	Structure and Function	3
MATH 181	Calculus II	4
BIOS 110 or BIOS 120	Biology of Cells and Organisms or Biology of Populations and Communities	4
General Education Requirement course		3
	Hours	**14**
Spring Semester		
CHEM 233	Synthesis Techniques Laboratory	2
CHEM 234	Chemical Synthesis	3
BIOS 220	Genetics	3
Select one of the following:		4
PHYS 131	Introductory Physics for Life Sciences I [a]	
PHYS 141	General Physics I (Mechanics) [a]	
	Hours	**12**
Third Year		
Fall Semester		
CHEM 452	Biochemistry I (Same as BIOS 452)	4
CHEM 222	Analytical Chemistry [b]	4
or Elective		
Foreign Language		4
Select one of the following:		4
PHYS 132	Introductory Physics for Life Sciences II [a]	
PHYS 142	General Physics II (Electricity and Magnetism) [a]	
	Hours	**16**
Spring Semester		
Select one of the following:		3
CHEM 340	Physical Chemistry for Biochemists I	
CHEM 342	Physical Chemistry I [e]	
Foreign Language		4
CHEM 454	Biochemistry II (Same as BIOS 454)	4
CHEM 455	Biochemistry Laboratory	3
	Hours	**14**
Fourth Year		
Fall Semester		
CHEM 343	Physical Chemistry Laboratory [e,f]	3
Select one of the following:		3
CHEM 344	Physical Chemistry for Biochemists II	
CHEM 346	Physical Chemistry II [e]	
BIOS Elective at the advanced level		4
Foreign Language		4
General Education Requirement course		3
	Hours	**17**
Spring Semester		
CHEM 314	Inorganic Chemistry	4
BIOS Elective at the advanced level		4
Foreign Language		4
General Education Requirement course		3
Elective		2
	Hours	**17**
	Total Hours	**120**

a *This course has been approved for the Analyzing the Natural World General Education category.*
b *Students who take CHEM 116 and CHEM 118 to fulfill the general chemistry requirement do not need to take CHEM 222.*
c *Each of the following pairs will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123 and CHEM 124/CHEM 125.*
d *MATH 180 fulfills the LAS Quantitative Reasoning requirement.*
e *Students who wish to use the CHEM 342/CHEM 343/CHEM 346 option to satisfy the physical chemistry requirement will need to also choose PHYS 141/PHYS 142 to satisfy their physics requirement and will need to take MATH 210 as a corequisite for CHEM 342.*
f *CHEM 343 fulfills the LAS Writing-in-the-Discipline requirement.*

OR		
CHEM 122	Matter and Energy [d]	
CHEM 123	Foundations of Chemical Inquiry I [c,d]	
CHEM 124	Chemical Dynamics [d]	
CHEM 125	Foundations of Chemical Inquiry II [c,d]	
CHEM 230	Organic Chemistry of Biological Systems	3-4
or CHEM 232	Structure and Function	
CHEM 233	Synthesis Techniques Laboratory	2
Total Hours		**27-28**

a *MATH 170, MATH 180, and STAT 130 fulfill the LAS Quantitative Reasoning requirement.*

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

c *MATH 180 and MATH 181 are recommended for students planning advance work in population biology and required for enrollment in PHYS 141 and PHYS 142.*

d *General Education credit is given for successful completion of both CHEM 122 and CHEM 123 or CHEM 124 and CHEM 125.*

Major Requirements

Of the 40 semester hours for the major, no more than 11 hours may be at the 100 level. At least 9 hours must be from courses designated as Experimental Techniques and Data Analyses. A minimum of 9 hours should be at the 300 and/or 400 level. No more than 5 hours of BIOS independent study and research may be counted toward the major.

Code	Title	Hours
Required Courses		
BIOS 110	Biology of Cells and Organisms [a]	4
BIOS 120	Biology of Populations and Communities [a]	4
BIOS 220	Genetics	3
BIOS 222	Cell Biology	3
BIOS 230	Evolution and Ecology	3
In addition to required courses, students must complete one concentration chosen from General Biology; Molecular, Cellular, and Organismal Biology; or Evolution, Ecology, and Environmental Biology.		
Concentration in Evolution, Ecology, and Environmental Biology		
Required core courses:		
BIOS 331	General Ecology Laboratory [b]	3
Select at least 6 semester hours in experimental techniques and data analyses from the following:		6-7
BIOS 310	Genetics Laboratory [b]	
BIOS 336	Animal Behavior Laboratory [b]	
BIOS 351	Microbiology Laboratory [b]	
BIOS 399	Independent Research [b,e]	
BIOS 420	Genomics [b,c]	
BIOS 430	Evolution [c]	
BIOS 480	Introduction to Modern Biostatistics with R [b]	
Select three of the following courses in ecology and environment:		9
BIOS 236	Animal Behavior	
BIOS 340	Environmental Physiology	
BIOS 350	General Microbiology	
BIOS 365	Human Ecological Systems	
BIOS 427	Ecosystem Ecology	
BIOS 431	Plant and Animal Interactions	
BIOS 437	Topics in Tropical Ecology	
BIOS 455	Introduction to Landscape Ecology	
BIOS 490	Topics Biological Sciences [d]	
Select one of the following courses in evolution and genomics:		3-4
BIOS 305	Plant Evolutionary Ecology	
BIOS 420	Genomics [c]	
BIOS 430	Evolution [c]	
BIOS 446	Evolution and Human Disease	
BIOS 450	Advanced Microbiology	
BIOS 490	Topics Biological Sciences [d]	
Additional hours of BIOS elective courses to bring the total to 40 semester hours.		0-2
Total Hours		**40**

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

b *BIOS 310, BIOS 312, BIOS 321, BIOS 323, BIOS 336, BIOS 351, BIOS 399, BIOS 420, BIOS 443, and BIOS 480 fulfill the Writing-in-the-Discipline requirement.*

c *BIOS 420 and BIOS 430 appear in both the Evolution and Genomics and Experimental Techniques and Data Analyses lists. They may be used to satisfy either requirement, but not both.*

d *BIOS 490 can only be used once to meet the Ecology/Environment or the Evolution/Genomics category with consent of advisor.*

e *BIOS 399 can only be counted once to fulfill Experimental Techniques and Data Analyses credit requirements.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I [a]	4
or MATH 170	or Calculus for the Life Sciences	
or STAT 130	or Introduction to Statistics for the Life Sciences	
Select one of the following:		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
General Education Requirement course		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Select one of the following:		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
General Education Requirement course		3

CHEM 123	Foundations of Chemical Inquiry I [c,d]	
CHEM 124	Chemical Dynamics [d]	
CHEM 125	Foundations of Chemical Inquiry II [c,d]	
CHEM 230	Organic Chemistry of Biological Systems	3-4
or CHEM 232	Structure and Function	
CHEM 233	Synthesis Techniques Laboratory	2
Total Hours		**27-28**

a *MATH 170, MATH 180, and STAT 130 fulfill the LAS Quantitative Reasoning requirement.*
b *This course is approved for the Analyzing the Natural World General Education category.*
c *MATH 180 and MATH 181 are recommended for students planning advance work in population biology and required for enrollment in PHYS 141 and PHYS 142.*
d *General Education credit is given for successful completion of both CHEM 122 and CHEM 123 or CHEM 124 and CHEM 125.*

Major Requirements

Of the 40 semester hours for the major, no more than 11 hours may be at the 100 level. At least 9 hours must be from courses designated as Experimental Techniques and Data Analyses. A minimum of 9 hours should be at the 300 and/or 400 level. No more than 5 hours of BIOS independent study and research may be counted toward the major.

Code	Title	Hours
Required Courses		
BIOS 110	Biology of Cells and Organisms [a]	4
BIOS 120	Biology of Populations and Communities [a]	4
BIOS 220	Genetics	3
BIOS 222	Cell Biology	3
BIOS 230	Evolution and Ecology	3
In addition to required courses, students must complete one concentration chosen from General Biology; Molecular, Cellular, and Organismal Biology; or Evolution, Ecology, and Environmental Biology.		
Concentration in General Biology		
Select a minimum of 9 semester hours of course work in Experimental Techniques and Data Analyses, chosen from the following list:		9-11
BIOS 272	Comparative Vertebrate Anatomy	
BIOS 310	Genetics Laboratory [b]	
BIOS 312	Cell Biology Laboratory	
BIOS 321	Developmental Biology Laboratory [b]	
BIOS 323	Molecular Biology Laboratory [b]	
BIOS 326	Embryology Laboratory	
BIOS 331	General Ecology Laboratory [b]	
BIOS 336	Animal Behavior Laboratory [b]	
BIOS 351	Microbiology Laboratory [b]	
BIOS 360	Introduction to Paleontology	
BIOS 399	Independent Research [b,c]	
BIOS 420	Genomics [b]	
BIOS 430	Evolution	
BIOS 443	Animal Physiological Systems Laboratory [b]	
BIOS 480	Introduction to Modern Biostatistics with R [b]	
Additional hours of BIOS elective courses to bring the total to 40 semester hours.		12-14
Total Hours		**40**

a *This course is approved for the Analyzing the Natural World General Education category.*
b *BIOS 310, BIOS 312, BIOS 321, BIOS 323, BIOS 331, BIOS 336, BIOS 351, BIOS 399, BIOS 420, BIOS 443, and BIOS 480 fulfill the Writing-in-the-Discipline requirement.*
c *BIOS 399 can only be counted once to fulfill Experimental Techniques and Data Analyses credit requirements.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I [a]	4
or MATH 170	or Calculus for the Life Sciences	
or STAT 130	or Introduction to Statistics for the Life Sciences	
Select one of the following:		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
General Education Requirement course		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Select one of the following:		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
General Education Requirement course		3
BIOS 110	Biology of Cells and Organisms [b]	4
or BIOS 120	or Biology of Populations and Communities	
	Hours	**15**
Second Year		
Fall Semester		
CHEM 230	Organic Chemistry of Biological Systems	3-4
or CHEM 232	or Structure and Function	
BIOS 110	Biology of Cells and Organisms [b]	4
or BIOS 120	or Biology of Populations and Communities	
Foreign Language		4
General Education Requirement course or Elective		3-4
	Hours	**15**
Spring Semester		
BIOS 222	Cell Biology	3
BIOS 230	Evolution and Ecology	3
CHEM 233	Synthesis Techniques Laboratory	2
Foreign Language		4
General Education Requirement course		3
	Hours	**15**
Third Year		
Fall Semester		
BIOS 220	Genetics	3
BIOS experimental techniques and data analysis selective		2-4

d *General Education credit is given for successful completion of both CHEM 122 and CHEM 123 or CHEM 124 and CHEM 125.*

Major Requirements

Of the 40 semester hours for the major, no more than 11 hours may be at the 100 level. At least 9 hours must be from courses designated as Experimental Techniques and Data Analyses. A minimum of 9 hours should be at the 300 and/or 400 level. No more than 5 hours of BIOS independent study and research may be counted toward the major.

Code	Title	Hours
Required Courses		
BIOS 110	Biology of Cells and Organisms [a]	4
BIOS 120	Biology of Populations and Communities [a]	4
BIOS 220	Genetics	3
BIOS 222	Cell Biology	3
BIOS 230	Evolution and Ecology	3
In addition to required courses, students must complete one concentration chosen from General Biology; Molecular, Cellular, and Organismal Biology; or Evolution, Ecology, and Environmental Biology.		
Concentration in Molecular, Cellular, and Organismal Biology		
Required core courses:		
BIOS 310	Genetics Laboratory [b]	2
BIOS 312	Cell Biology Laboratory [b]	2
BIOS 343	Animal Physiological Systems [b]	3
Select at least 5 hours in Experimental Techniques and Data Analyses:		5-7
BIOS 272	Comparative Vertebrate Anatomy	
BIOS 321	Developmental Biology Laboratory [b]	
BIOS 323	Molecular Biology Laboratory [b]	
BIOS 326	Embryology Laboratory	
BIOS 351	Microbiology Laboratory [b]	
BIOS 399	Independent Research [b,d]	
BIOS 420	Genomics [b]	
BIOS 443	Animal Physiological Systems Laboratory [b,c]	
Select three courses from the following:		9-11
BIOS 320	Developmental Biology	
BIOS 325	Human Embryology	
BIOS 350	General Microbiology	
BIOS 443	Animal Physiological Systems Laboratory [b,c]	
BIOS 450	Advanced Microbiology	
BIOS 458	Biotechnology and Drug Discovery	
BIOS 452 & BIOS 454	Biochemistry I and Biochemistry II [e]	
or BIOS 352	Introductory Biochemistry	
BIOS 490	Topics Biological Sciences [f]	
Additional hours of BIOS elective courses to bring the total to 40 semester hours.		0-2
Total Hours		**40**

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

b *BIOS 310, BIOS 312, BIOS 321, BIOS 323, BIOS 336, BIOS 351, BIOS 399, BIOS 420, BIOS 443, and BIOS 480 fulfill the Writing-in-the-Discipline requirement.*

c *BIOS 443 can be used as a selective to either meet the Experimental Techniques and Data Analyses requirement **OR** the MCOB requirement for this concentration but **not** both.*

d *BIOS 399 can only be counted once to fulfill Experimental Techniques and Data Analyses credit requirements.*

e *BIOS 452 and BIOS 454 will count as two courses toward the three course requirement. However, if only BIOS 452 is taken, it will not count as an MCOB selective course.*

f *BIOS 490 can only be used once with the consent of the advisor.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180 or MATH 170 or STAT 130	Calculus I [a] or Calculus for the Life Sciences or Introduction to Statistics for the Life Sciences	4
Select one of the following:		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
General Education Requirement course		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Select one of the following:		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
General Education Requirement course		3
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
	Hours	**15**
Second Year		
Fall Semester		
CHEM 230 or CHEM 232	Organic Chemistry of Biological Systems or Structure and Function	3-4
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
Foreign Language		4
General Education Requirement course or Elective		3-4
	Hours	**15**
Spring Semester		
BIOS 222	Cell Biology	3
BIOS 230	Evolution and Ecology	3
CHEM 233	Synthesis Techniques Laboratory	2
Foreign Language		4
General Education Requirement course		3
	Hours	**15**
Third Year		
Fall Semester		
BIOS 220	Genetics	3
PHYS 131 or PHYS 141	Introductory Physics for Life Sciences I [b] or General Physics I (Mechanics)	4

and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		33-36
General Education and Electives to reach minimum Total Hours		84-87
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline (p. 298) in the College of Liberal Arts and Sciences section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
BLST 100	Introduction to Black Studies [a,b]	3
BLST 101	Introduction to Black Diaspora Studies [c,d]	3
BLST 206	Black Studies and the Production of Knowledge [e]	3
BLST 246	Black Lives in Historical Context [b,d]	3
BLST 401	Senior Seminar in Black Studies	3
Select one of the following history courses: [f]		3
BLST 241	Precolonial Africa in World History [c,d]	
BLST 242	History of Modern Africa [c,d]	
BLST 247	African American History to 1877 [b,d]	
BLST 248	African American History since 1877 [b,d]	
Select one course from each of the following four categories: [g]		9-12
Black Queer and Feminist Studies [h]		
BLST 249	Black Freedom Movements in the U.S.	
BLST 261	Reading Black Women Writing	
BLST 272	Race, Gender, and Sexuality	
BLST 294	Topics in Black Studies [i]	
Cultural Production and Analysis [h]		
BLST 103	Black Politics and Culture in the United States	
BLST 104	Race, Place, and Schooling: Black Americans and Education	
BLST 105	Black Film, 1900 - Present: Images, Individuals and Ideas on Screen	
BLST 110	Introduction to African American Literature, 1760-1910	
BLST 111	Introduction to African American Literature Since 1910	
BLST 247	African American History to 1877	
BLST 248	African American History since 1877	
BLST 249	Black Freedom Movements in the U.S.	
BLST 250	Comparative Black Literatures	
BLST 261	Reading Black Women Writing	
BLST 262	Black Cultural Studies	
BLST 264	African American Art	
BLST 265	Harlem Renaissance	
BLST 266	Topics in African Literature	
BLST 294	Topics in Black Studies [i]	
Diasporic and Transnational Studies [h]		
BLST 110	Introduction to African American Literature, 1760-1910	
BLST 125	Black Religious Traditions	
BLST 191	African and Caribbean Francophone Literature in Translation	
BLST 207	Racism: Global Perspectives	
BLST 210	Ancient Egyptian Art and Archaeology	
BLST 229	Black Diaspora Studies	
BLST 266	Topics in African Literature	
BLST 294	Topics in Black Studies [i]	
Race, Politics, and Institutions [h]		
BLST 103	Black Politics and Culture in the United States	
BLST 104	Race, Place, and Schooling: Black Americans and Education	
BLST 105	Black Film, 1900 - Present: Images, Individuals and Ideas on Screen	
BLST 207	Racism: Global Perspectives	
BLST 225	Racial and Ethnic Groups	
BLST 229	Black Diaspora Studies	
BLST 247	African American History to 1877	
BLST 248	African American History since 1877	
BLST 249	Black Freedom Movements in the U.S.	
BLST 250	Comparative Black Literatures	
BLST 258	Race and Urban Life	
BLST 262	Black Cultural Studies	
BLST 271	Race and the Politics of Incarceration	
BLST 272	Race, Gender, and Sexuality	
BLST 294	Topics in Black Studies [i]	
Select 6 additional hours of Black Studies courses in consultation with a departmental advisor (distributed in the following way):		6
300-level: at least 3 hours [j]		
400-level: at least 3 hours		
Total Hours		**33-36**

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

e *BLST 206 fulfills the Writing-in-the-Discipline requirement.*

f *Course may also be used to satisfy one of the four thematic categories.*

g *Students may not apply course credits to satisfy the requirement of more than one thematic area. BLST 247 and BLST 248 may also be used to satisfy history requirement.*

h *Students should consult* General Education *(p. 83) section of the catalog to determine which of the following courses are approved General Education courses.*

BLST 441	Topics in African History [b]
BLST 481	Topics in African American and Diaspora History [b]
BLST 490	Topics in Black Literature [b]
Diasporic and Transnational Studies	
BLST 207	Racism: Global Perspectives
BLST 229	Black Diaspora Studies
BLST 266	Topics in African Literature [b]
BLST 294	Topics in Black Studies [b]
BLST 407	Seminar in Comparative Racialization
BLST 441	Topics in African History [b]
BLST 481	Topics in African American and Diaspora History [b]
BLST 490	Topics in Black Literature [b]
Race, Politics, and Institutions	
BLST 207	Racism: Global Perspectives
BLST 225	Racial and Ethnic Groups
BLST 229	Black Diaspora Studies [b]
BLST 247	African American History to 1877
BLST 248	African American History since 1877
BLST 249	Black Freedom Movements in the U.S.
BLST 250	Comparative Black Literatures
BLST 258	Race and Urban Life
BLST 262	Black Cultural Studies
BLST 271	Race and the Politics of Incarceration
BLST 272	Race, Gender, and Sexuality
BLST 294	Topics in Black Studies [b]
BLST 306	Black Politics in the United States
BLST 406	Topics in Black Feminist and Queer Studies
BLST 407	Seminar in Comparative Racialization
BLST 441	Topics in African History [b]
BLST 481	Topics in African American and Diaspora History [b]
BLST 492	Topics in Social Science Research [b]
Total Hours	**15**

a *Students may not apply course credits to satisfy the requirement of more than one thematic area.*

b *BLST topics courses may be used to satisfy this category only if topic is consistent with thematic area. Course cannot be used to satisfy the requirement of more than one thematic area.*

Department of Chemistry

Contact Information:
Campus Location: 4500 Science and Engineering South (SES)
(312) 996–3161
chem.uic.edu

Administration:
Head, Wonhwa Cho
Interim Director of Undergraduate Studies, George Papadantonakis

Chemistry is a central science that provides much of the fundamental understanding needed to deal with society's needs. Students with a degree in chemistry find they are prepared for jobs in the chemical, health, and pharmaceutical industries and in many other settings, including teaching, environmental settings, energy research, biomedical labs, forensics, and occupational and public health.

The Department of Chemistry offers three undergraduate degrees.

1. The Bachelor of Science in Chemistry is recommended for anyone considering a professional career in chemistry. It prepares its graduates for admission to graduate schools in chemistry, to medical schools, and to professional positions in industry, the health field, and governmental agencies.
2. The Bachelor of Arts with a Major in Chemistry requires fewer chemistry courses and permits a larger number of electives outside of chemistry. It provides a program with many of the courses required for admission to medical schools and dental schools. The degree also provides a useful background for those who wish to pursue careers in business (management, marketing, sales).
3. The Bachelor of Science in Biochemistry, offered jointly with the Department of Biological Sciences, provides preparation for graduate study in biochemistry, for studies in medical and dental schools, or for careers in biotechnology. For more detailed information, see the Biochemistry (p. 315) section.

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

Professional Approval

Recipients of the Bachelor of Science in Chemistry are immediately eligible for degree certification by the Committee on Professional Training of the American Chemical Society.

Distinction

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

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

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

Highest Distinction. In addition to fulfilling criteria for High Distinction, candidates are required to have a GPA of 3.80/4.00 or above in science

MATH 180	Calculus I	4
Select one of the following:		5
CHEM 116	Honors and Majors General and Analytical Chemistry I [a]	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I	
General Education Requirement course		3
	Hours	**15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
Select one of the following:		3-5
CHEM 118	Honors and Majors General and Analytical Chemistry II [b]	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II	
CHEM 232	Structure and Function	
General Education Requirement course		3-5
	Hours	**13-17**
Second Year		
Fall Semester		
Select one of the following:		3-5
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II	
CHEM 232	Structure and Function	
CHEM 233	Synthesis Techniques Laboratory	2
Select one of the following:		4
PHYS 141	General Physics I (Mechanics)	
PHYS 131	Introductory Physics for Life Sciences I	
Foreign Language		4
	Hours	**13-15**
Spring Semester		
CHEM 234	Chemical Synthesis	3
Select one of the following:		4
PHYS 142	General Physics II (Electricity and Magnetism)	
PHYS 132	Introductory Physics for Life Sciences II	
Foreign Language		4
General Education Requirement course		3
	Hours	**14**
Third Year		
Fall Semester		
CHEM 222	Analytical Chemistry [c]	4
CHEM 314	Inorganic Chemistry	4
Foreign Language		4
Electives		5
	Hours	**17**
Spring Semester		
Select one of the following:		3
CHEM 340	Physical Chemistry for Biochemists I [d]	
CHEM 346	Physical Chemistry II [b]	
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
Electives		3
	Hours	**16**
Fourth Year		
Fall Semester		
CHEM 343	Physical Chemistry Laboratory [e]	3
Select one of the following:		3
CHEM 342	Physical Chemistry I [a]	
CHEM 344	Physical Chemistry for Biochemists II [d]	
Electives		9
	Hours	**15**
Spring Semester		
Chemistry Elective		5
Electives		10
	Hours	**15**
	Total Hours	**120**

a CHEM 116 *and* CHEM 342 *are offered fall semester only. CHEM 342 requires calculus-based physics (PHYS 141, PHYS 142) as a prerequisite and Calculus III (MATH 210) as a corequisite).*

b *CHEM 118 and CHEM 346 are offered spring semester only.*

c *Students who take CHEM 116 and CHEM 118 to fulfill the general chemistry requirement do not need to take CHEM 222.*

d *CHEM 340 and CHEM 344 are offered in the fall and spring semesters.*

e *CHEM 343 satisfies the Writing-in-the-Discipline requirement.*

BS in Chemistry

Program Codes:
20FT0335BS

Degree Requirements

To earn a Bachelor of Science in Chemistry degree from UIC, students need to complete university, college, and department degree requirements. The Department of Chemistry degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Requirements for the Curriculum		120
Total Hours		**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 (p. 297) section.

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in 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]	4
MATH 181	Calculus II [c]	4
MATH 210	Calculus III [c]	3

Foreign Language		4
	Hours	**17**
Fourth Year		
Fall Semester		
CHEM 343	Physical Chemistry Laboratory [d]	3
CHEM 402	Chemical Information Systems	2
CHEM 414 or CHEM 432 or CHEM 444	Advanced Inorganic Chemistry or Advanced Organic Chemistry or Spectroscopy in Chemistry and Biochemistry	2
Foreign Language		4
Electives		4
	Hours	**15**
Spring Semester		
CHEM 421	Instrumental Analysis	3
CHEM 415 or CHEM 455 or CHEM 499	Inorganic Chemistry Laboratory or Biochemistry Laboratory or Supervised Research	3
Electives at the 300 level in the natural sciences or mathematics, as approved by the departmental advisor		3
General Education Requirement course		3
	Hours	**12**
	Total Hours	**120**

a *CHEM 116 and CHEM 342 are offered fall semester only.*
b *CHEM 118 and CHEM 346 are offered spring semester only.*
c *Students who take CHEM 116 and CHEM 118 to fulfill the general chemistry requirement do not need to take CHEM 222.*
d *CHEM 343 fulfills the LAS Writing-in-the-Discipline requirement.*

Minor in Chemistry

Minor Requirements

Students from other disciplines who want to minor in Chemistry must complete 18–20 semester hours distributed as follows:

Code	Title	Hours
Required Courses		
Select one of the following sequences:		10
CHEM 122	Matter and Energy	
CHEM 123	Foundations of Chemical Inquiry I	
CHEM 124	Chemical Dynamics	
CHEM 125	Foundations of Chemical Inquiry II	
OR		
CHEM 116	Honors and Majors General and Analytical Chemistry I [a]	
CHEM 118	Honors and Majors General and Analytical Chemistry II [a]	
CHEM 232	Structure and Function	3
Select one of the following sequences:		5-7
Analytical chemistry and instrumentation		
CHEM 222	Analytical Chemistry	
CHEM 421	Instrumental Analysis	
Organic laboratory and inorganic or physical chemistry		
CHEM 233	Synthesis Techniques Laboratory	
CHEM 314	Inorganic Chemistry	
or CHEM 340	Physical Chemistry for Biochemists I	
or CHEM 342	Physical Chemistry I	
Total Hours		**18-20**

a *Students who take CHEM 116/CHEM 118 for their general and analytical chemistry work do not need to take CHEM 222 for the minor, or as a prerequisite for CHEM 421.*

Department of Classics and Mediterranean Studies

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996–5218
clasmed.uic.edu

Administration:
Head: Young Kim, ymrkim@uic.edu
Director of Undergraduate Studies: Zinon Papakonstantinou, zpapak@uic.edu

Classics is the study of the history, culture, languages, and reception of the ancient Mediterranean world, with a particular focus on the Greeks and the Romans. The Classics and Mediterranean Studies (CAMS) Department at UIC offers a program leading to the Bachelor of Arts in Classical Studies, and students at UIC can take a wide range of classics courses and major/minor in Classical Studies. The department also encompasses the study and teaching of Arabic (including a minor) and Modern Greek language and culture.

Students who major in classical studies go on to pursue careers in law and professional scholarship, teach, and find employment in a wide range of fields. Recent graduates have entered law, medical, and divinity schools, while others have taken positions in business, public service, and education. The training students receive in critical reading, analytical thinking, and written and oral rhetoric is highly valued and sought by prospective employers.

The department is part of the School of Literatures, Cultural Studies and Linguistics, which comprises six independent departments and three academic programs, creating a collaborative environment for interdisciplinary study.

Distinction

- **Departmental Distinction.** The candidate for departmental distinction must earn a 3.50/4.00 GPA in courses required for the major and a 3.00/4.00 overall GPA (UIC and transfer credit).
- **High Departmental Distinction.** The candidate for high departmental distinction must earn a 3.75/4.00 GPA in courses required for the major and a 3.00/4.00 overall GPA (UIC and transfer credit).
- **Highest Departmental Distinction.** Students who qualify for High Distinction and complete CL 399 with a grade of A will qualify for Highest Distinction.

Degree Program

- BA with a Major in Classical Studies (p. 332)

General Education Requirement course		3
General Education Requirement course		3-4
	Hours	**16-17**
Second Year		
Fall Semester		
CL 102 or CL 208	Introduction to Classical Literature or Classical Mythology	3
CL 103 or CL 204 or CL 205	Introduction to Classical and Mediterranean Archaeology or Greek Art and Archaeology or Roman Art and Archaeology	3
LAT 103 or ARAB 103 or GKM 103	Intermediate Latin I or Intermediate Arabic I or Intermediate Modern Greek I	4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
Major Elective [b]		3
LAT 104 or ARAB 104 or GKM 104	Intermediate Latin II or Intermediate Arabic II or Intermediate Modern Greek II	4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**13-15**
Third Year		
Fall Semester		
Major Elective [b]		3
General Education Requirement course		3-5
General Education Requirement course/Elective		3-5
Electives		6-9
	Hours	**15-18**
Spring Semester		
Major Elective [b]		3
General Education Requirement course/Elective		3-5
Electives		9
	Hours	**15-17**
Fourth Year		
Fall Semester		
Major Elective [b]		3
Electives		12
	Hours	**15**
Spring Semester		
CL 398	Advanced Topics in Classical Civilization	1-3
Electives		12-14
	Hours	**15**
	Total Hours	**120**

Culture Track

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Quantitative Reasoning Requirement course		3-5
Foreign Language I		4
CL 100 or CL 202	Greek Civilization [a] or Ancient Greece	3
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language II		4
CL 101 or CL 203	Roman Civilization or Ancient Rome	3
General Education Requirement course		3
General Education Requirement course		3-4
	Hours	**16-17**
Second Year		
Fall Semester		
CL 102 or CL 208	Introduction to Classical Literature or Classical Mythology	3
CL 103 or CL 204 or CL 205	Introduction to Classical and Mediterranean Archaeology or Greek Art and Archaeology or Roman Art and Archaeology	3
Foreign Language III		4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
Major Elective [b]		3
Major Elective [b]		3
Foreign Language IV		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**16-18**
Third Year		
Fall Semester		
Major Elective [b]		3
General Education Requirement course		3-5
General Education Requirement course/Elective		3-5
Electives		6-9
	Hours	**15-18**
Spring Semester		
Major Elective [b]		3
General Education Requirement course/Elective		3-5
Electives		9
	Hours	**15-17**
Fourth Year		
Fall Semester		
Major Elective [b]		3
Electives		12
	Hours	**15**
Spring Semester		
CL 398	Advanced Topics in Classical Civilization	1-3
Electives		9-11
	Hours	**12**
	Total Hours	**120**

Minor in Arabic

Minor Requirements

To earn the Minor in Arabic, students musts complete 19 semester hours (12 of which must be at the 200 level or above) as follows:

Code	Title	Hours
Required Courses		
ARAB 104	Intermediate Arabic II	4
ARAB 201	Advanced Arabic through Literature	3
ARAB 202	Media Arabic	3
Select one course from each of the following categories:		
History or Politics of the Arab World		**3**

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Communication degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		33
General Education and Electives to reach Minimum Total Hours		87
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Courses		
COMM 101	Introduction to Communication [a]	3
COMM 102	Introduction to Interpersonal Communication [a]	3
COMM 103	Introduction to Media [a]	3
COMM 200	Communication Technologies	3
COMM 301	Communication Research [b,e]	3
Select five additional communication courses at the 200, 300, or 400 level with at least two courses at the 400 level [c]		15
Select one of the following:		3
COMM 490	Seminar in Culture and Communication [d]	
COMM 491	Seminar in Media and Communication [d]	
Total Hours		**33**

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

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

c *Exclusive of COMM 490 and COMM 491. No more than 3 hours of COMM 474 or 3 hours of COMM 498 may be applied toward the major.*

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

e *Students may not register in 100-, 200-, and 300-level COMM core courses concurrently. For example, students must complete COMM 101, COMM 102, and COMM 103 before they can register in COMM 301.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Select one of the following:		3
COMM 101	Introduction to Communication [a]	
COMM 102	Introduction to Interpersonal Communication [a]	
COMM 103	Introduction to Media [a]	
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Second Year		
Fall Semester		
Select one of the following:		3
COMM 101	Introduction to Communication [a]	
COMM 102	Introduction to Interpersonal Communication [a]	
COMM 103	Introduction to Media [a]	
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
Electives		3
	Hours	**16**
Spring Semester		
Select one of the following:		3
COMM 101	Introduction to Communication [a]	
COMM 102	Introduction to Interpersonal Communication [a]	
COMM 103	Introduction to Media [a]	
Foreign Language		4
General Education Requirement course		3
General Education Requirement course/Elective		2-5
Electives		3
	Hours	**15-18**
Third Year		
Fall Semester		
COMM 200	Communication Technologies	3
Quantitative Reasoning Requirement [b]		3-5
General Education Requirement course/Elective		3
Electives		6
	Hours	**15-17**
Spring Semester		
COMM 301	Communication Research	3
COMM 2xx, 3xx, or 4xx [c,d]		3
General Education Requirement course/Elective		3
Electives		6
	Hours	**15**
Fourth Year		
Fall Semester		
COMM 2xx, 3xx, or 4xx [c,d]		3
COMM 2xx, 3xx, or 4xx [c,d]		3
Electives		9
	Hours	**15**
Spring Semester		
Select one of the following:		3
COMM 490	Seminar in Culture and Communication [e]	
COMM 491	Seminar in Media and Communication [e]	
COMM 2xx, 3xx, or 4xx [c,d]		3
COMM 2xx, 3xx, or 4xx [c,d]		3

Major Requirements

Code	Title	Hours
Required Courses		
CLJ 101	Introduction to Criminology, Law, and Justice [a]	3
CLJ 200	Law and Society [a]	3
CLJ 210	Principles of Criminal Law	3
CLJ 220	Criminology	3
CLJ 261	Research Methods I	3
CLJ 262	Research Methods II [b]	3
Select one of the following:		3
CLJ 303	Introduction to Forensic Science	
CLJ 321	Youth, Crime, Law and Justice in Society	
CLJ 345	Police in Society	
CLJ 350	Courts in Society	
CLJ 355	Punishment, Prisons and Corrections	
CLJ 356	Community Corrections and Reentry	
CLJ 361	Criminal Investigation	
CLJ 363	Drugs and Addiction in Society	
Four courses at the 300 or 400 level [c,d]		12
Total Hours		**33**

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

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

c *To satisfy the Writing-in-the-Discipline requirement, one of these must be a 400-level CLJ course approved for Writing in the Discipline: CLJ 405, CLJ 422, CLJ 423, CLJ 424, CLJ 425, CLJ 430, CLJ 435, CLJ 442, CLJ 450, CLJ 491, CLJ 492, or CLJ 493.*

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

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3-4
General Education Requirement course		3-5
	Hours	**13-16**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
CLJ 101	Introduction to Criminology, Law, and Justice [a]	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
CLJ 200	Law and Society [a]	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
CLJ 210	Principles of Criminal Law	3
Foreign Language		4
General Education Requirement course/Elective		3
General Education Requirement course/Elective		3
Electives		3
	Hours	**16**
Third Year		
Fall Semester		
CLJ 220	Criminology	3
CLJ 261	Research Methods I	3
Electives		9
	Hours	**15**
Spring Semester		
CLJ 262	Research Methods II [b]	3
One 300- or 400-level Elective in CLJ		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
CLJ 303	Introduction to Forensic Science	3
or CLJ 321	or Youth, Crime, Law and Justice in Society	
or CLJ 345	or Police in Society	
or CLJ 350	or Courts in Society	
or CLJ 355	or Punishment, Prisons and Corrections	
or CLJ 356	or Community Corrections and Reentry	
or CLJ 361	or Criminal Investigation	
or CLJ 363	or Drugs and Addiction in Society	
400-level course to satisfy Writing-in-the-Discipline requirement		3
Electives		9
	Hours	**15**
Spring Semester		
One 300- or 400-level Elective in CLJ		3
One 300- or 400-level Elective in CLJ		3
Electives		8-9
	Hours	**14-15**
	Total Hours	**120**

a *These two courses may be used to satisfy two of the nine courses in the General Education Requirement.*

b *Satisfies Quantitative Reasoning requirement when a grade of C or better is earned. Math prerequisite must be met.*

Minor in Criminology, Law, and Justice

Minor Requirements

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

Code	Title	Hours
Required Courses		
CLJ 101	Introduction to Criminology, Law, and Justice	3
CLJ 200	Law and Society	3
CLJ 210	Principles of Criminal Law	3
CLJ 220	Criminology	3

Code	Title	Hours
Summary of Requirements		
Required Prerequisite and Collateral Courses		26
Core Courses		20
Selective Courses		19
General Education and Electives to reach minimum Total Hours		55
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) 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

Code	Title	Hours
Required Courses		
Select one of the following options in general physics:		4
PHYS 131	Introductory Physics for Life Sciences I [a]	
PHYS 141	General Physics I (Mechanics) [a]	
CHEM 122	Matter and Energy [b]	3
CHEM 123	Foundations of Chemical Inquiry I [a,b]	2
MATH 180	Calculus I [a,c]	4
MATH 181	Calculus II [a]	4
Select one of the following:		5
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [a,b]	
CHEM 130	Survey of Organic and Biochemistry [a]	
Select one of the following courses in general physics or biology:		4
PHYS 132	Introductory Physics for Life Sciences II [a]	
PHYS 142	General Physics II (Electricity and Magnetism) [a]	
BIOS 110	Biology of Cells and Organisms [a]	
BIOS 120	Biology of Populations and Communities [a]	
Total Hours		**26**

a *These courses are approved for the Analyzing the Natural World General Education category.*
b *General Education credit is given for successful completion of both CHEM 122 and CHEM 123 or CHEM 124 and CHEM 125.*
c *MATH 180 fulfills the LAS Quantitative Reasoning requirement.*

Core Courses

Code	Title	Hours
Required Courses		
EAES 101	Global Environmental Change [a]	4
EAES 111	Earth, Energy, and the Environment [a]	4
EAES 200	Field Work in Missouri [a]	2
EAES 230	Earth Materials	4
EAES 285	Earth Systems	4
EAES 290	Current Topics in Earth and Environmental Sciences [b]	2
Total Hours		**20**

a *This course is approved for the Analyzing the Natural World General Education category.*
b *EAES 290 fulfills the Writing-in-the-Discipline requirement.*

Selective Courses

Students must select at least 19 hours with at least one course from each of the following groups. In order to reach the 19 hours, one course can be chosen, with permission of the director of undergraduate studies, from an approved list of courses in environmental studies offered in other departments; these courses must be at the 200 level or above.

Code	Title	Hours
Courses		
Group I: Earth Materials		3-10
EAES 320	Mineralogy	
EAES 422	Crystal Chemistry	
EAES 430	Petrology	
EAES 473	Soils and the Environment	
Group II: Surface Environments and Processes		3-10
EAES 350	Sedimentary Environments	
EAES 470	Environmental Geomorphology	
EAES 475	Hydrology/Hydrogeology	
Group III: Geochemistry and Geobiology		3-10
EAES 360	Introduction to Paleontology	
EAES 415	Environmental Geochemistry	
EAES 416	Organic Geochemistry	
EAES 418	Introduction to Biogeochemistry	
EAES 460	Earth System History	
EAES 466	Principles of Paleontology	
Group IV: Geophysical and Mathematical Methods		3-10
EAES 420	Earth and Environmental Data Science	
EAES 440	Structural Geology and Tectonics	
EAES 444	Geophysics	
EAES 448	Plate Tectonics	
EAES 480	Statistical Methods in Earth and Environmental Sciences	
EAES 484	Planetary Science	
Approved summer course in geological or environmental field methods (4-6 hours)		
Total Hours		**19**

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
CHEM 122	Matter and Energy	3
CHEM 123	Foundations of Chemical Inquiry I	2

Degree Program

- BA with a Major in Economics (p. 341)

Minor

- Minor in Economics (p. 343)

BA with a Major in Economics

Program Codes:
20FT0074BA

Degree Requirements

To earn a Bachelor of Arts in Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Economics degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Required Prerequisite and Collateral Course		5
Major Requirements		37
General Education and Electives to reach minimum Total Hours		78
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Required Prerequisite and Collateral Course

Code	Title	Hours
Required Course		
MATH 121	Precalculus Mathematics [a]	5
Total Hours		**5**

a *MATH 121 fulfills the LAS Quantitative Reasoning Requirement and students should take this course as early as possible. This requirement is waived for students who have completed a course in Calculus or who place into Calculus upon admission to UIC. Students who plan to pursue graduate studies in economics are strongly encouraged to take additional mathematics courses, including three semesters of Calculus (MATH 180, MATH 181, and MATH 210) and Linear Algebra (either MATH 310 or the more advanced sequence of MATH 215 and MATH 320). Students who wish to take additional math courses can consider STAT 401, STAT 411, MATH 220, and MATH 313.*

Major Requirements

Code	Title	Hours
Required Courses		
ECON 120	Principles of Microeconomics [a,b]	4
ECON 121	Principles of Macroeconomics [a,b]	4
ECON 220	Microeconomics: Theory and Applications	3
ECON 221	Macroeconomics in the World Economy: Theory and Applications	3
ECON 270	Statistics for Economics	4
ECON 300	Econometrics	3
or ECON 400	Honors Econometrics	
ECON 395	Research and Writing in Economics [c]	1
Five additional economics courses at the 200, 300, or 400 level; at least three must be numbered 320 or higher.		15
Total Hours		**37**

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 *ECON 395 fulfills the Writing-in-the-Discipline requirement. Concurrent registration in a designated 300-level economics course is required.*

Course Suggestions for Economics Careers

The following groups of courses are offered as guidance to students who may have an interest in one of the career/educational paths shown below.

Business/Financial Economics

Code	Title	Hours
Courses		
ECON 311	Introduction to Urban Real Estate	3
ECON 329	Industrial Organization	3
ECON 330	Government and Business	3
ECON 333	International Economics	3
ECON 339	Monetary Theory	3
ECON 344	Behavioral Economics	3
ECON 475	Urban Economics and Public Policy	3

Human Resources

Code	Title	Hours
Courses		
ECON 214	Economics of Education	3
ECON 215	Health Economics	3
ECON 331	Labor Economics	3
ECON 334	Economic Development	3
ECON 453	Economics of Family	3
ECON 475	Urban Economics and Public Policy	3

Urban Economics/Real Estate

Code	Title	Hours
Courses		
ECON 311	Introduction to Urban Real Estate	3
ECON 331	Labor Economics	3
ECON 332	Urban Economics	3
ECON 342	Regional Economics	3
ECON 370	Environmental Economics	3
ECON 475	Urban Economics and Public Policy	3

Minor in Economics

Minor Requirements

Students who wish to minor in Economics must complete 18–20 semester hours as outlined below:

Code	Title	Hours
Required Courses		
ECON 120	Principles of Microeconomics	3-4
ECON 121	Principles of Macroeconomics	3-4
ECON 220	Microeconomics: Theory and Applications [a]	3
or ECON 221	Macroeconomics in the World Economy: Theory and Applications	
Three economics courses at the 200, 300 or 400 level		9
Total Hours		**18-20**

a *Students may take both ECON 220 and ECON 221.*

Department of English

Contact Information:
Campus Location: 2027 University Hall (UH)
(312) 413–2200
engl.uic.edu

Administration:
Head, Peter Coviello, coviello@uic.edu
Director of Undergraduate Studies, Christopher Grimes, cgrimes (cgrimes@uic.edu)@uic.edu (rreames@uic.edu)

The Department of English offers a Major in English and Minor in English, Minor in Professional Writing, a Major in Teacher Education, a Minor in Teacher Education, and an interdisciplinary Minor in Logic, Argumentation, and Writing (LAWR).

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

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

Students who major in English don't only study literature. They understand how language works, and they develop broad reading and writing skills that make possible both an analytical engagement with, and a critical understanding of, diverse fields of cultural and aesthetic production. The English major offers excellent preparation for careers in writing, editing, publishing, teaching, politics and government, law, filmmaking, business management, nonprofit work and activism, and advertising.

Writing Internship Program

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

To qualify, students must be enrolled full time at UIC, have taken ENGL 207 and ENGL 280, and be in good academic standing. Students who wish to receive credit for their writing internship must be admitted to and enroll in ENGL 493.

Distinction

- **Departmental Distinction.** To be eligible for Departmental Distinction, a candidate must have:
    1. attended UIC for three semesters,
    2. a cumulative GPA of 3.00/4.00,
    3. completed a minimum of 21 hours at UIC in courses required for the major, and
    4. a GPA of 3.50/4.00 in courses required for the major.
- **High Distinction.** To be eligible for High Distinction, a candidate must complete all requirements for Departmental Distinction with a GPA of 3.75/4.00 in courses required for the major.
- **Highest Distinction.** To be eligible for Highest Distinction, a candidate must meet all requirements for High Distinction and complete ENGL 497 with a grade of A.

Degree Programs

- BA with a Major in English (p. 343)
- BA in the Teaching of English (p. 349)

Minors

- Minor in English (p. 350)
- Minor in Logic, Argumentation, and Writing (p. 350)
- Minor in Professional Writing (p. 351)
- Minor in the Teaching of English (p. 351)

BA with a Major in English

Program Codes:
20FT0311BA

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 Major in English requires a minimum of 27 semester hours, as outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies. Students are encouraged to seek advising each semester from the English major advisor in LAS.

concentration. Students also may petition the Office of Undergraduate Studies to design their own concentration.

For more information, see the catalog Course Descriptions (p. 480) or the Department of English website. Students should consult the General Education (p. 83) section of the catalog to determine if any of the courses on these lists are approved for General Education.

Literatures in English

Code	Title	Hours
Select three of the following, according to the guidelines listed above:		9
ENGL 101	Understanding Literature and Culture	
ENGL 103	Understanding Poetry	
ENGL 104	Understanding Drama	
ENGL 105	Understanding Fiction	
ENGL 118	Introduction to African American Literature, 1760-1910	
ENGL 119	Introduction to African American Literature Since 1910	
ENGL 123	Introduction to Asian American Literature	
ENGL 175	Understanding the Bible as Literature	
ENGL 213	Introduction to Shakespeare	
ENGL 223	Introduction to Colonial and Postcolonial Literature	
ENGL 236	Young Adult Fiction	
ENGL 237	Graphic Novels	
ENGL 238	Speculative Fiction, Sci-Fi and Fantasy	
ENGL 245	Introduction to Gender, Sexuality and Literature	
ENGL 247	Women and Literature	
ENGL 251	Literature and Environment	
ENGL 260	Comparative Black Literatures	
ENGL 261	Reading Black Women Writing	
ENGL 262	Black Cultural Studies	
ENGL 264	Introduction to Native American Literatures	
ENGL 265	The Harlem Renaissance	
ENGL 266	Topics in African Literature	
ENGL 267	Introduction to U.S. Latinx Literature	
ENGL 269	Introduction to Multiethnic Literatures in the United States	
ENGL 295	Latino Literary Studies	
ENGL 303	Studies in Poetry	
ENGL 304	Studies in Drama	
ENGL 305	Studies in Fiction	
ENGL 311	Medieval English Literature	
ENGL 312	Sixteenth and Seventeenth Century Literature	
ENGL 313	Major Plays of Shakespeare	
ENGL 314	Milton	
ENGL 315	Eighteenth Century Literature	
ENGL 316	British Romantic Literature	
ENGL 317	Victorian Literature	
ENGL 319	20th and 21st Century British Literature	
ENGL 322	Colonial and Postcolonial Literature	
ENGL 324	American Literature to the 20th Century	
ENGL 325	20th and 21st Century American Literature	
ENGL 328	Asian American Literature	
ENGL 329	Literatures in English Other than English and American	
ENGL 335	Studies in Literature and Popular Culture	
ENGL 340	Literary Theory	
ENGL 346	History of Literary Criticism	
ENGL 347	Gender and Sexuality in Literature	
ENGL 351	Topics in Black Art and Literature	
ENGL 367	Latinx Literature	
ENGL 369	Multiethnic American Literature	
ENGL 376	Literature and Religion	
ENGL 378	Special Topics in English Studies	
ENGL 406	Topics in Poetry and Poetic Theory	
ENGL 407	Topics in Fiction and Theories of Fiction	
ENGL 409	Topics in Literature and Culture	
ENGL 410	Topics in Old English Literature	
ENGL 411	Topics in Medieval Literature	
ENGL 412	Topics in Renaissance Literature and Culture	
ENGL 413	Topics in Shakespeare	
ENGL 414	Topics in Restoration and Eighteenth-century Literature and Culture	
ENGL 415	Topics in Romantic Literature and Culture	
ENGL 418	Topics in Victorian Literature	
ENGL 422	Topics in Postcolonial and World Literature in English	
ENGL 423	Topics in American Literary Nonfiction Prose	
ENGL 424	Topics in American Literature and Culture to the 20th Century	
ENGL 425	Topics in 20th and 21st Century American Literature and Culture	
ENGL 435	Topics in Popular Culture and Literature	
ENGL 441	Topics in Asian American Literature and Culture	
ENGL 443	Topics in Gender, Sexuality and Literature	
ENGL 446	Topics in Criticism and Theory	
ENGL 458	History of the English Language	
ENGL 466	Topics in Multiethnic Literatures in the United States	
ENGL 467	Topics in Latinx Literature	
ENGL 469	Women's Literary Traditions	
ENGL 473	Topics in Black Literature	
ENGL 475	The Bible as Literature: Hebrew Bible	

ENGL 261	Reading Black Women Writing
ENGL 262	Black Cultural Studies
ENGL 264	Introduction to Native American Literatures
ENGL 265	The Harlem Renaissance
ENGL 266	Topics in African Literature
ENGL 269	Introduction to Multiethnic Literatures in the United States
ENGL 295	Latino Literary Studies
ENGL 328	Asian American Literature
ENGL 344	Gender Theory
ENGL 345	Queer Theory
ENGL 347	Gender and Sexuality in Literature
ENGL 350	Disability Studies
ENGL 351	Topics in Black Art and Literature
ENGL 367	Latinx Literature
ENGL 369	Multiethnic American Literature
ENGL 441	Topics in Asian American Literature and Culture
ENGL 443	Topics in Gender, Sexuality and Literature
ENGL 444	Topics in Theories of Gender and Sexuality
ENGL 449	Women and Film
ENGL 450	Topics in Disability Studies
ENGL 466	Topics in Multiethnic Literatures in the United States
ENGL 467	Topics in Latinx Literature
ENGL 469	Women's Literary Traditions
ENGL 473	Topics in Black Literature
Total Hours	**9**

Rhetoric, Public Engagement, and Language Studies

Code	Title	Hours
Select three of the following, according to the guidelines listed above:		9
ENGL 153	Understanding Grammar and Style	
ENGL 154	Understanding Rhetoric	
ENGL 253	Environmental Rhetoric	
ENGL 258	The Grammar and Style of Non-Standard Englishes in the U.S.	
ENGL 280	Media and Professional Writing	
ENGL 282	Peer Tutoring in the Writing Center: Introduction to Theory and Practice	
ENGL 297	Studies in the Classical Tradition	
ENGL 330	Cultural and Media Studies	
ENGL 340	Literary Theory	
ENGL 344	Gender Theory	
ENGL 345	Queer Theory	
ENGL 346	History of Literary Criticism	
ENGL 350	Disability Studies	
ENGL 354	Rhetorical Studies	
ENGL 355	Rhetoric and Public Life	
ENGL 356	Argument and Persuasion	
ENGL 380	Advanced Professional Writing	
ENGL 383	Writing Digital and New Media	
ENGL 389	Writing for Community Advocacy and Activism	
ENGL 430	Topics in Cultural and Media Studies	
ENGL 444	Topics in Theories of Gender and Sexuality	
ENGL 446	Topics in Criticism and Theory	
ENGL 450	Topics in Disability Studies	
ENGL 451	English as Public Practice	
ENGL 452	The UIC Freshwater Lab Course	
ENGL 453	Freshwater Lab in Practice: Environmental Research, Projects, and Internships	
ENGL 454	Rhetoric	
ENGL 455	Topics in Rhetorical Studies	
ENGL 456	Topics in Language and Rhetoric	
ENGL 457	Topics in the English Language & Linguistics	
ENGL 458	History of the English Language	
ENGL 463	Discourse and Rhetoric	
ENGL 482	Campus Writing Consultants	
Total Hours		**9**

English Electives to Complete Minimum Major Hours

Code	Title	Hours
Electives		
Students must complete a minimum of 27 hours toward the major. If the student is pursuing only one concentration in the major, then additional coursework may be required to reach this minimum. No more than 3 hours of elective course work can be at the 100 level. Students completing multiple concentrations should reach the 27-hour minimum, in which case no additional electives are needed.		0-6
Total Hours		**0-6**

Upper -Level Course Requirement

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

U.S. Social and Cultural Diversity Distribution Requirement

Over the course of the program, all English majors must complete one course in U.S. Social and Cultural Diversity. Students should consult the General Education (p. 83) section of the catalog to determine if any of the courses on this list are approved for General Education.

U.S. Social and Cultural Diversity Course List

Code	Title	Hours
ENGL 118	Introduction to African American Literature, 1760-1910	3
ENGL 119	Introduction to African American Literature Since 1910	3

Electives	11-12
Hours	**14-15**
Total Hours	**120**

Note: One course from another department other than English may count toward the major. Students may petition the Office of Undergraduate Studies to apply this credit.

BA in the Teaching of English

Program Codes:
20FT0288BA

Degree Requirements

To earn a Bachelor of Arts in the Teaching of English degree from UIC, students must complete university, college, and department degree requirements. The Department of English degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Core Requirements		9
English Electives		9
Required Methods Courses		12
Collateral Courses		12
Additional Requirements for Teacher Licensure		13
General Education and Electives to reach the minimum Total Hours		65
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Core Requirements

Code	Title	Hours
Required Courses		
Students must complete the following courses with a grade of C or better:		
ENGL 207	Interpretation and Critical Analysis [a]	3
ENGL 208	English Studies I: Beginnings to the 17th Century	3
ENGL 209	English Studies II: 17th Century to Today	3
Total Hours		**9**

a *ENGL 207 fulfills the Writing-in-the-Discipline requirement.*

English Electives

Code	Title	Hours
Electives		
Three courses at the 200 level or above. [a,b]		9
Total Hours		**9**

a *ENGL 153 may be applied to the elective requirement for the BA in the Teaching of English.*
b *Preferred electives for the Teaching of English are ENGL 153, ENGL 236, ENGL 237, ENGL 238, ENGL 258, ENGL 282, and ENGL 213 or ENGL 313*

Required Methods Courses

Recommended to be taken in consecutive semesters.

Code	Title	Hours
Required Courses		
ENGL 480	Introduction to the Teaching of English in Middle and Secondary Schools	3
ENGL 486	The Teaching of Writing in Middle and Secondary Schools [a]	3
ENGL 487	The Teaching of Reading and Literature in Middle and Secondary Schools	3
ENGL 488	Methods of Teaching English in Middle and Secondary Schools	3
Total Hours		**12**

a *ENGL 486 is also listed under the Selective Upper-Level Writing requirement within the Major in English.*

Collateral Courses

Code	Title	Hours
Required Courses		
ENGL 498	Educational Practice with Seminar I	6
ENGL 499	Educational Practice with Seminar II	6
Total Hours		**12**

Additional Requirements for Teacher Licensure

Code	Title	Hours
Required Courses		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
SPED 410	Exceptional Learners	3
Total Hours		**13**

To be recommended for student teaching, ENGL 498 and ENGL 499, a student must complete all program course requirements (general requirements for the major, the Core courses, Methods courses, and courses in Professional Education) with a minimum grade point average of 3.00/4.00 in English courses taken at UIC. Students intending to complete student teaching must obtain admission to candidacy in the academic year preceding the academic year in which student teaching is to be done. Details on the candidacy process are available from the Council on Teacher Education or by consulting with the English Education program director.

Select one of the following:		3
ENGL 153	Understanding Grammar and Style	
ENGL 280	Media and Professional Writing [b]	
ENGL 354	Rhetorical Studies	
ENGL 355	Rhetoric and Public Life	
ENGL 356	Argument and Persuasion	
PHIL/ENGL 357	Philosophy of Rhetoric [c]	
ENGL 380	Advanced Professional Writing	
ENGL 383	Writing Digital and New Media	
ENGL 384	Technical Writing	
ENGL 454	Rhetoric	
ENGL 455	Topics in Rhetorical Studies	
ENGL 456	Topics in Language and Rhetoric	
ENGL 463	Discourse and Rhetoric	
Any ENGL course at the 200 level or above		3
Any PHIL course at the 200 level or above		3
Total Hours		**18**

a *At least one selective course in ENGL or PHIL must be at the 200 level or above.*
b *Recommended courses. PHIL 210 meets prerequisite for PHIL 410.*
c *PHIL 357/ENGL 357 can be used to satisfy only one requirement for the minor.*

Minor in Professional Writing

Minor Requirements

Students who wish to pursue the Minor in Professional Writing must complete 15–18 semester hours. Courses used to complete the minor should comply with the following requirements:

Code	Title	Hours
Required Courses		
Select one of the following: [a]		3
ENGL 154	Understanding Rhetoric	
ENGL 158	English Grammar and Style	
ENGL 280	Media and Professional Writing [a]	3
Select two of the following:		6
ENGL 380	Advanced Professional Writing	
ENGL 382	Editing and Publishing	
ENGL 383	Writing Digital and New Media	
ENGL 384	Technical Writing	
ENGL 388	Writing for the Health Professions	
ENGL 389	Writing for Community Advocacy and Activism	
Select one of the following:		3-6
ENGL 493	Internship in Nonfiction Writing [b]	
ENGL 496	Portfolio Practicum	
Total Hours		**15-18**

a *Must be completed with a grade of C or above.*
b *ENGL 493 must be taken for at least 3 hours to satisfy this requirement.*

Minor in the Teaching of English

Minor Requirements

Secondary education majors from other disciplines who want to minor in the Teaching of English must complete 18 hours in the English minor curriculum listed. Taking at least one English Education methods course, such as ENGL 480, is recommended.

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

The teaching license is not automatically awarded upon successful completion of licensure and degree requirements. Before the license 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.

Department of French and Francophone Studies

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996-5218
french.uic.edu

Administration:
Administration: Head, Yann Robert, yrobert@uic.edu
Director of Undergraduate Studies, Elizabeth Dolly Weber, edweber@uic.edu

In addition to a sequence of basic French language courses, the Department of French and Francophone Studies offers a Major in French and Francophone Studies, a Major in the Teaching of French, and a Minor in French and Francophone Studies. All intermediate and advanced courses help students achieve two interlocking goals. First, all courses foster proficiency in speaking, reading, and writing French, as well as understanding how the language is woven into diverse cultural contexts in Francophone countries throughout the world. Second, all courses help students develop a historical sense of French-speaking cultures, as well as the critical and interpretive skills that come from analytical reading, active discussion, and persuasive writing.

A major or a minor in French and Francophone Studies gives students a strong, globally oriented foundation for careers in many fields, such as education, international commerce, law, government, and journalism.

Endorsement for the Teaching of French

Endorsement is available to students obtaining full licensure in an approved UIC Teacher Education major. To teach French 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 license is not automatically awarded upon successful completion of licensure and degree requirements. Before the license is issued, the candidate must file an application with the State of Illinois and take a subject content examination administered by the State Board of

General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**15-17**
Second Year		
Fall Semester		
Select one of the following:		3
FR 300	Topics in Film and Media of the French-Speaking World [a]	
FR 301	Topics in French and Francophone Literature [a]	
FR 302	Topics in French and Francophone Culture [a]	
FR 303	Writing in the Discipline [b]	1
200-, 300-, or 400-level FR Elective [c,d]		3
General Education Requirement course		3-5
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16-18**
Spring Semester		
200-, 300-, or 400-level FR Elective [c,d]		3
General Education Requirement course		3-5
General Education Requirement course/Elective		3
General Education Requirement course/Elective		3
Elective		3
	Hours	**15-17**
Third Year		
Fall Semester		
200-, 300-, or 400-level FR Elective [c,d]		3
Electives		11-13
	Hours	**14-16**
Spring Semester		
FR 4xx [d]		3
Electives		12
	Hours	**15**
Fourth Year		
Fall Semester		
FR 4xx [d]		3
Electives		12
	Hours	**15**
Spring Semester		
Electives		15
	Hours	**15**
	Total Hours	**120**

a *Students may not take a 300-level FR class unless they EITHER have completed two 200-level courses OR have completed one 200-level course and register concurrently in a 200-level course taught in French.*

b *FR 303 fulfills the Writing-in-the-Discipline requirement. FR 303 must be taken in conjunction with FR 300, FR 301, or FR 302.*

c *Students may take only ONE French class taught in English at the 200 level toward their major or minor.*

d *Students may not take a 400-level French class (even if it is taught in English, since all writing and supplemental reading will need to be in French) unless they EITHER have taken a 300-level class OR register concurrently in a 300-level class.*

Note: Study abroad options are available that can significantly advance the time required to satisfy the French major; this can help students who begin French in the 100-level program at UIC complete the major in a timely manner.

BA in the Teaching of French

Program Codes:
20FT0295BA

Degree Requirements

To earn a Bachelor of Arts in the Teaching of French degree from UIC, students must complete university, college, and department degree requirements. The Department of French and Francophone Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		34
Additional Requirements for Teacher Licensure		25
General Education and Electives to reach minimum Total Hours		61
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
Select three of the following:		9
FR 211	French in the Professions	
FR 212	Stories, Sights, and Sounds from the French-Speaking World	
FR 213	France Past and Present	
FR 214	Conversational French through Popular Culture and Media	
Select two of the following:		6
FR 300	Topics in Film and Media of the French-Speaking World [a]	
FR 301	Topics in French and Francophone Literature [a]	
FR 302	Topics in French and Francophone Culture [a]	
FR 303	Writing in the Discipline [b,c]	1
FR 448	Foundations of Second Language Teaching	3
FR 449	Teaching Second Language Literacy and Cultural Awareness	3
Two additional 400-level FR electives [d]		6
Two FR electives a the 200, 300, or 400 level [a,c,d,e]		6
Total Hours		**34**

a *Students may not take a 300-level FR course unless they EITHER have completed two 200-level courses OR have completed one 200-level course and register concurrently in a 200-level course taught in French.*

Timeline: Most "Teaching of…" curriculum students enrolled full-time should be able to complete their undergraduate coursework and licensure requirements in four years, if they declare within their first four semesters. If a student does not make this decision until their junior year (5th semester or later), pursuit of the curriculum and teaching licensure will result in an extended undergraduate career. Model plans are available for transfer students and those beginning at UIC and declaring early; these are only to serve as an example for students considering the curriculum. Students should meet with the advisor in their department for personalized recommendations and timelines.

Education Courses: All Secondary Education curriculum students must take the following Education courses: ED 200, ED 210, SPED 410, and ED 425. Teaching of Chemistry, History, and Math must also take CI 414. Students should meet with their department advisors to determine appropriate course sequence. Non-Education students may only take limited 100-level Education courses.

Curriculum vs. Licensure: Simply completing the requirements for a "Teaching of…" curriculum, does not guarantee licensure. Students should be completing licensure requirements in conjunction with meeting curriculum and college graduation requirements. There are several steps in the licensure process, so it is imperative that a student meet with their program advisor to remain on track.

Council on Teacher Education (CTE)

http://cte.uic.edu
Contact: (312) 355-0714
uic_cte@uic.edu
412 S. Peoria St., MC 134

"The Council on Teacher Education oversees and supports all professional education programs. The Council is responsible for the coordination of professional education curricula and serves as a liaison between the University of Illinois Chicago and the Illinois State Board of Education. In addition, the Council serves as a liaison between the University and school service personnel. The Council on Teacher Education was established by the University of Illinois' Board of Trustees in 1943-44 to formulate policies and programs of student selection, retention, guidance, preparation, and placement in elementary and secondary schools. The Council was created in conformity with educational policies established by the campus Senate (Mission and History, CTE website)." Students will be in close contact with the Council on Teacher Education for all levels of the licensure process. Prospective students can also find additional information on their website (listed above) and in the Teacher Education Handbook for Secondary and Foreign Language.

Minor in French and Francophone Studies

Requirements for the Minor

Students from other disciplines who want to minor in French and Francophone Studies must complete 18 semester hours as outlined below:

Code	Title	Hours
Required Courses		
Select two of the following:		6
FR 211	French in the Professions	
FR 212	Stories, Sights, and Sounds from the French-Speaking World	
FR 213	France Past and Present	
FR 214	Conversational French through Popular Culture and Media	
Select two of the following:		6
FR 300	Topics in Film and Media of the French-Speaking World [a]	
FR 301	Topics in French and Francophone Literature [a]	
FR 302	Topics in French and Francophone Culture [a]	
Two FR electives at the 200 or 300 level [b]		6
Total Hours		**18**

a *Students may not take a 300-level FR course unless they EITHER have completed two 200-level courses OR have completed one 200-level course and register concurrently in a 200-level course taught in French.*

b *Students may take only ONE French class taught in English at the 200 level toward their major or minor. No more than 3 semester hours of FR 398 may be applied toward the major or minor.*

Gender and Women's Studies Program

Contact Information:
Campus Location: 12th Floor University Hall (UH)
(312) 996–2441
gwsinfo@uic.edu
gws.uic.edu

Administration:
Director, Jennifer Brier
Director of Undergraduate Studies, Nadine Naber
Director of Interdepartmental Graduate Concentration, Gayatri Reddy
Associate Director, Chez Rumpf
Senior Business Manager, Jessica Hosley
Office Manager, Melissa Portis

The Gender and Women's Studies Program at University of Illinois Chicago is an interdisciplinary unit dedicated to investigating the relationships between gender, sexuality, feminism, and social justice. The program starts from the assumption that gender and sexuality, in all their complex and contradictory forms, matter and insists that gender and sexuality must be understood through their intersections with race, class, age, nation, citizenship, and ability. We conceptualize how these interconnected categories inform and structure social life, culture, politics, social movements, and knowledge production. In a world where gender norms and expressions 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 engagement with local, national, and transnational communities, faculty equip students to meet the challenges of contemporary society.

Grounded in the liberal arts and sciences, Gender and Women's Studies, as both a major field of study and a minor, pays special attention to developing the ability of students to think critically, evaluate evidence,

GWS 469	Women's Literary Traditions
Science, Health, and the Body	
GWS 205	Disability, Race, Class and Gender
GWS 238	Biology of Women
GWS 262	Constructions of Gender, Race, Health, and Human Rights
GWS 294	Topics in Gender and Women's Studies [f]
GWS 315	Psychology of Women and Gender
GWS 462	AIDS, Politics and Culture
GWS 419	Public Health Aspects of Sexuality and Women's Health
Feminism, Social Policy, and the State	
GWS 202	Comparative Social Movements
GWS 224	Gender and Society
GWS 232	Sex Roles: Moral and Political Issues
GWS 248	Afro Asian Solidarities
GWS 259	Women and Gender in American History
GWS 262	Constructions of Gender, Race, Health, and Human Rights
GWS 275	Gender in Latin America
GWS 276	Latinas in the United States
GWS 294	Topics in Gender and Women's Studies [f]
GWS 356	Constitutional Law: Women, Gender and Privacy
GWS 406	Topics in Black Feminist and Queer Studies
GWS 409	Women and Gender in the Middle East
GWS 424	Gender, Crime, and Justice
GWS 425	Sociology of Gender
GWS 428	Asian/Asian American Women in the Global Economy
GWS 455	Advanced Seminar in Feminism and Justice
GWS 462	AIDS, Politics and Culture
GWS 478	Women in Chinese History
GWS 484	Topics in the History of Women
GWS 485	Gender and Politics
Sexuality and Society	
GWS 203	Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies
GWS 204	Gender and Popular Culture
GWS 211	Sex and Gender in the Ancient World
GWS 224	Gender and Society
GWS 232	Sex Roles: Moral and Political Issues
GWS 245	Introduction to Gender, Sexuality and Literature
GWS 252	Sexuality in America: Historical Perspectives
GWS 263	Asian American Gender and Sexual Diversity
GWS 272	Race, Gender, and Sexuality
GWS 290	Topics in the Study of Sexuality
GWS 294	Topics in Gender and Women's Studies [f]
GWS 304	Gender and Communcation
GWS 311	Gender and Sexuality in Early Christianity and Judaism
GWS 345	Queer Theory
GWS 347	Gender and Sexuality in Literature
GWS 403	Queer Histories
GWS 407	Advanced Seminar in Queer and Trans Studies
GWS 462	AIDS, Politics and Culture
GWS 484	Topics in the History of Women
GWS 490	Advanced Topics in the Study of Sexuality
Four additional GWS courses	12
Total Hours	**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 (p. 83) *section of the catalog to determine if any of the courses on these lists are approved General Education courses.*

f *GWS 294 can fulfill various categories depending on the topic offered. Students should work with their academic advisor to determine which category GWS 294 fulfills in a given semester.*

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

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Quantitative Reasoning [a]		3-5
Foreign Language		4
General Education Requirement course		3-5
	Hours	**13-17**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
GWS 101 or GWS 102	Gender in Everyday Life [b] or Global Perspectives on Women and Gender	3
Foreign Language		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**16-18**
Second Year		
Fall Semester		
GWS 101 or GWS 102	Gender in Everyday Life [b] or Global Perspectives on Women and Gender	3

LALS/US 220	Latin American Cities in a Global Context: Environment, Employment, and Housing
MUS 227	Music Cultures of the World
NAST 113	Native American Studies: Sovereignty
PPOL 230	Nonprofit Organizations and Civil Society
PHIL 103	Introduction to Ethics
PHIL 112	Morality and the Law
POLS/BLST 358	Constitutional Law: African-American Legal History
SJ 294	Topics in Social Justice
US 205	Cinema and the City
Courses with Prerequisites or Consent of the Instructor	
BLST/CLJ/SOC 271	Race and the Politics of Incarceration
CLJ/GWS 424	Gender, Crime, and Justice
GLAS 250	Critical Issues in Community Engagement
GLAS/GWS/SOC 428	Asian/Asian American Women in the Global Economy
GLAS/GWS 458	Asian America and Transnational Feminism
GWS 202	Comparative Social Movements
GWS 262	Constructions of Gender, Race, Health, and Human Rights
GWS 390	Feminism and Social Change
HIST/GWS 403	Queer Histories
LALS 380	Social Movements in Latin America
LALS 382	Race and Citizenship in the Americas
PHIL 230	Topics in Ethics and Political Philosophy
POLS 354	The Constitution and Civil Liberties
POLS/BLST/GWS 356	Constitutional Law: Women, Gender and Privacy
POLS 451	Law and Public Policy

Department of Germanic Studies

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996-5218
german.uic.edu

Administration:
Head, Susanne Rott, srott@uic.edu
Director of Undergraduate Studies, Imke Meyer, ixmeyer@uic.edu (fortmann@uic.edu)

The Department of Germanic Studies offers language and culture courses at the beginning, intermediate, and advanced levels. Courses at all levels emphasize the development of language fluency and cultural competency, as well as critical-thinking and effective writing skills. Course offerings cover a wide array of topics including film, Business German, and contemporary media.

Courses in Yiddish language, literature, and culture are also offered.

The department offers programs leading to the Bachelor of Arts with a Major in Germanic Studies and the BA in the Teaching of German. A minor is offered in the Germanic Studies as well.

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.

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 may quality for High or Highest Distinction.

Foreign Language Requirement

The courses required for completing the foreign language requirement are:

Code	Title	Hours
Courses		
GER 101 & GER 102 & GER 103 & GER 104	Elementary German I and Elementary German II and Intermediate German I and Intermediate German II	16

Overseas Program

A portion of the credits toward the majors offered by the Department of Germanic Studies may be earned through a Study Abroad Program. The department offers a program in Berlin, Germany, and one in Vienna, Austria. GER 103 level language proficiency or higher is required for the UIC program in Berlin. GER 104 level language proficiency or higher is required for the Austria Illinois program in Vienna. Students should apply through the Study Abroad office. More information about study abroad in Berlin and Vienna is on the Department of Germanic Studies website.

Degree Programs

- BA with a Major in Germanic Studies (p. 359)
- BA in the Teaching of German (p. 360)

Minor

- Minor in Germanic Studies (p. 362)

Campus Certificate

- Certificate in German Language (p. 362)

BA with a Major in Germanic Studies

Program Codes:
20FT1292BA

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 Germanic Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

General Education and Electives to reach minimum Total Hours	61
Total Hours	**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
GER 211	Exploring German-Speaking Cultures	3
or GER 212	Rural, Urban, Global: Germanic Geographies	
GER 300	Writing in the Study of German [a]	1
GER 401	Research in German Studies	3
Teaching Methodology		
GER/SPAN 448	Foundations of Second Language Teaching	3
GER/SPAN 449	Teaching Second Language Literacy and Cultural Awareness	3
9 hours of 300- and 400-level courses.		9
12 hours of additional Germanic Studies courses. Program must be approved by major advisor. [b]		12
Total Hours		**34**

a *GER 300 fulfills the LAS Writing-in-the-Discipline requirement. Must be taken concurrently with a course that receives credit toward a major offered by the Department of Germanic Studies.*

b *Students should consult the* General Education *(p. 83) section of the catalog to determine if any of these courses are approved General Education courses.*

Additional Requirements for Teacher Licensure

Code	Title	Hours
Courses		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
SPED 410	Exceptional Learners	3
GER 494	Educational Practice with Seminar I	6
GER 495	Educational Practice with Seminar II	6
Total Hours		**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 for Germanic Studies. Licensure requirements need to be approved by the Licensure Officer in the Council on Teacher Education.

The teaching license is not automatically awarded upon successful completion of licensure and degree requirements. Before the license is issued, the candidate must file an application for the Illinois teaching license with the Council on Teacher Education. The candidate must also pass a series of examinations required by the Illinois State Board of Education. The Content Area Test must be passed before the candidate is allowed to student teach. For information on application procedures, contact the Council on Teacher Education located at 412 S. Peoria St. See the Council on Teacher Education (p. 479) section of the catalog.

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
Declare Secondary Education Curriculum		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
Take General Education/Curriculum Courses		16-18
(Meet with Program Advisor) [b]		
	Hours	**16-18**
Second Year		
Fall Semester		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Third Year		
Fall Semester		
SPED 410	Exceptional Learners	3
CI 414	Middle and High School Literacy (after admission to candidacy) [d]	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Spring Semester		
Request Enrollment Approval for:		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom (March 15) [d]	
Complete Application to Student Teach [c]		
Take Content Area Test by deadline [a,c]		
Complete General Education/Curriculum courses		16-18
	Hours	**16-18**
Fourth Year		
Fall Semester		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
Complete General Education/Curriculum courses		8
	Hours	**12**
Spring Semester		
File Intent to Graduate Form (No later than the 3rd week of the semester in which you plan to graduate)		
Complete Student Teaching		12

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

Degree Program

- BA with a Major in Global Asian Studies (p. 363)

Minor

- Minor in Global Asian Studies (p. 365)

BA with a Major in Global Asian 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 Global Asian Studies Program degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
General Education Requirements and Electives to reach total minimum hours		87
Major Requirements		33
Total Hours		**120**

General Education Requirements:

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
GLAS 100	Introduction to Global Asian Studies	3
GLAS 210	Asian American Histories [a]	3
GLAS 300	Global Asia in Chicago	3
Selectives		
Select 24 additional hours of GLAS course work from the lists below.		24
No more than 12 hours can come from a single thematic list.		
At least 15 hours must be at or above the 200 level.		
At least one course must be at the 400 level (excluding GLAS 495).		
One upper-level/advanced Asian language course beyond the basic language sequence (i.e., beyond 104) can count toward the major (in the category Culture and Arts).		
No more than three GLAS 105 courses (each on different topics) can count toward the major.		
Total Hours		**33**

Code	Title	Hours
Empire, Migration, and Diaspora [b]		
GLAS 120	Introduction to Asian American Studies	3
GLAS 217	Introduction to Filipino American Studies	3
GLAS 223	Global Hip-hop and Asian Diasporas	3
GLAS 224	Archaeology of Mainland Southeast Asia	3
GLAS 228	Sociology of Asia and Asian Americans	3
GLAS 230	Cultural Politics of Asian American Food	3
GLAS 242	Introduction to Arab American Studies	3
GLAS 244	Arab and Asian Connections in the U.S. and Globally	3
GLAS 248	Afro Asian Solidarities	3
GLAS 255	Introduction to Middle East and Muslim Feminisms	3
GLAS 264	The Pacific Rim in Modern History	3
GLAS 270	Topics in Asian Cultures and Societies	3
GLAS 290	Special Topics in Asian American Studies	1-3
GLAS 390	Special Topics in Asian American Studies	3
GLAS 394	Special Topics in Asian Studies	3
GLAS 428	Asian/Asian American Women in the Global Economy	3
GLAS 437	The Indian Ocean World: Contact, Commerce, Culture	3
GLAS 458	Asian America and Transnational Feminism	3
GLAS 465	Asian Diasporas in Latin America	3
GLAS 479	Culture and Colonialism in South Asia	3
GLAS 490	Advanced Topics in Asian American Studies	3
GLAS 494	Advanced Topics in Asian Studies	3
Culture and the Arts [b]		
GLAS 105	Asian and/or Asian American Studies Seminar	1
GLAS 123	Introduction to Asian American Literature	3
GLAS 125	Introduction to the Art and Architecture of Asia	3
GLAS 209	Advanced Chinese Language and Culture	3
GLAS 219	Art and Architecture of East Asia	3
GLAS 220	Buddhist Art and Architecture	3
GLAS 223	Global Hip-hop and Asian Diasporas	3
GLAS 229	Introduction to Asian Film	3
GLAS 230	Cultural Politics of Asian American Food	3

a *Students are required to complete 24 hours of GLAS electives for the major, chosen from three thematic lists. No more than 12 hours may come from a single thematic list. At least three hours must be at the 400 level (excluding GLAS 495), and an additional 12 hours must be at the 200 level or above.*
b *GLAS 210 satisfies the Writing-in-the-Discipline requirement.*

Minor in Global Asian Studies

Requirements for the Minor

Students who want to minor in Global Asian Studies must complete 15 semester hours. This includes 9 hours of GLAS electives across three thematic categories. Three of those 9 hours must be at the 400 level; at least 3 of the remaining 6 hours must be at the 200 level or above. No more than 3 hours (beyond GLAS 100) can be at the 100 level. The courses used to complete the minor should comply with the following requirements.

Code	Title	Hours
Required Courses		
GLAS 100	Introduction to Global Asian Studies	3
GLAS 300	Global Asia in Chicago	3
Select three courses, with one from each of the three categories below. One (3 hours) must be at the 400 level, and at least one (3 hours) of the remaining courses must be at the 200 level or above. Specific courses from each category may be chosen in consultation with an advisor. [a]		9
Categories		
Culture and the Arts		
Empire, Migration, and Diaspora		
Society, Politics, and the State		
Total Hours		**15**

a *See the* BA with a Major in Global Asian Studies catalog page (p. 363) *for a full list of courses approved for each category. GLAS 100 and GLAS 300 may not count toward this requirement. Courses that appear in multiple categories may only count toward one. Special topics courses, such as GLAS 290, may be repeated if the topic is substantively different, but each iteration of the course can only count toward one category. For the minor, GLAS 210 may be used to fulfill either one of these categories: "Empire, Migration and Diaspora" or "Society, Politics, and the State."*

Department of Hispanic and Italian Studies

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996-5218
hip.uic.edu

Administration:
Head, Steven Marsh, marshws@uic.edu
Director of Undergraduate Studies, Spanish: Jennifer Cabrelli, cabrelli@uic.edu
Director of Undergraduate Studies, Italian: Chiara Fabbian, cfabbian@uic.edu

The formal study of Spanish and Italian consists of courses in language at the basic, intermediate, and advanced levels, as well as courses in linguistics and the literature and culture of the countries where these languages are spoken.

The Department of Hispanic and Italian Studies offers programs leading to the Bachelor of Arts with majors in Spanish (with an optional concentration in Spanish for the Professions) and in the Teaching of Spanish. Minors are offered in Spanish, Spanish for the Professions, and Italian and Italian American Studies, in addition to a Certificate of Academic Spanish for Heritage Speakers.

The Spanish and Italian major and minor programs expose students to innovative critical and theoretical approaches to literary, cultural, and linguistic studies. Thus, a student majoring or minoring in Spanish or Italian acquires skills in critical thinking, analytical ability, and language proficiency that provide a solid foundation for graduate and professional studies, as well as a variety of careers. Teacher education forms an integral part of the department's offerings in Spanish.

BA with a Major in Spanish

The BA with a Major in Spanish allows students to pursue the study of the Spanish language through a diverse set of subjects that include literature, cultural studies, linguistics, and professional and medical Spanish. Students can focus on one or more of these subjects, depending on their academic and future professional goals. While many students complete the major as their singular field of interest, many others complete the degree as a double-major together with one of the many other offerings present in LAS and UIC. Students in this major will be able to:

- Develop advanced oral and written proficiencies in the Spanish language.
- Bolster their overall critical thinking, analytical, oral communication, and writing skills.
- Acquire an advanced level of cultural competency and awareness of social justice as they pertain to the Hispanic world.
- Acquire an advanced level of knowledge in the field of Hispanic Linguistics.

Minor in Italian and Italian American Studies

The Department of Hispanic and Italian Studies offers a Minor in Italian and Italian American Studies. Through course work, study abroad and internship experience, mentoring, and other social and cultural encounters, the minor advances learners' proficiency in global communication skills, critical thinking and problem solving, and engagement with the ideological and concrete realities of their own world, enhancing their opportunities for careers and advanced study at the local, national, and international levels.

Portuguese

Portuguese serves the Spanish major through its courses for speakers of Romance languages.

Study Abroad Programs—Spanish

The Spanish program strongly encourages all majors to take advantage of the variety of study abroad opportunities in Spanish-speaking countries

General Education Requirement course		3
General Education Requirement course		3
	Hours	**16-18**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
SPAN 102	Elementary Spanish II	4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
SPAN 103	Intermediate Spanish I	4
General Education Requirement course		3
General Education Requirement course		3-5
General Education Requirement course/Elective		3
Electives		3
	Hours	**16-18**
Spring Semester		
SPAN 104	Intermediate Spanish II	4
General Education Requirement course/Elective		3
Electives		9
	Hours	**16**
Third Year		
Fall Semester		
SPAN 202	Spanish Grammar in Practice	3
SPAN 203 or SPAN 204	Extensive Reading and Writing for Non-Native Speakers of Spanish or Extensive Reading and Writing for Heritage Speakers of Spanish	3
SPAN 206	Introduction to Hispanic Linguistics [a]	3
Electives		6
	Hours	**15**
Spring Semester		
SPAN 210	Introduction to the Formal Analysis of Hispanic Texts [a]	3
SPAN Electives [b]		6
Electives		4
	Hours	**13**
Fourth Year		
Fall Semester		
SPAN Electives [b]		9
Electives		6
	Hours	**15**
Spring Semester		
SPAN 380	Professional Development	1
SPAN Elective [b]		3
Electives		9
	Hours	**13**
	Total Hours	**120**

a *These courses satisfy the Writing-in-the-Discipline requirement.*

b *At least 9 semester hours (3 courses) must be completed at the 300 level or above. No more than 6 semester hours (2 courses) may be SPAN courses taught in English. SPAN 380 does does not count towards this credit total. Students interested in literary and cultural studies are encouraged to take SPAN 212 as part of their electives.*

BA in Spanish with a Concentration in Spanish for the Professions

Program Code:
03076175BA

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 Hispanic and Italian Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		31
General Education and Electives to reach minimum Total Hours		89
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
SPAN 202	Spanish Grammar in Practice	3
SPAN 203	Extensive Reading and Writing for Non-Native Speakers of Spanish	3
or SPAN 204	Extensive Reading and Writing for Heritage Speakers of Spanish	
SPAN 206	Introduction to Hispanic Linguistics [a]	3
SPAN 210	Introduction to the Formal Analysis of Hispanic Texts [a]	3
SPAN 380	Professional Development	1
Concentration in Spanish for the Professions Requirements [b]		**18**
Select one of the following tracks:		6
SPAN 220 & SPAN 320	Spanish for Business and Law I and Spanish for Business and Law II	
SPAN 221 & SPAN 321	Spanish for Health Personnel I and Spanish for Health Personnel II	
Select two of the following:		6
SPAN 228	Introduction to Translation Theory	
SPAN 302	Exploring Spanish Grammar	
SPAN 303	Advanced Oral Presentation, Writing, and Analysis	
SPAN 328	Advanced Translation	
SPAN Electives [b]		6
Total Hours		**49**

SPAN 210	Introduction to the Formal Analysis of Hispanic Texts [a]	3
SPAN 302	Exploring Spanish Grammar	3
SPAN 380	Professional Development	1
SPAN 448	Foundations of Second Language Teaching	3
SPAN 449	Teaching Second Language Literacy and Cultural Awareness	3
Three electives chosen from SPAN 212 or SPAN courses at the 300 level or above [b]		9
Total Hours		**31**

a *SPAN 206 and SPAN 210 fulfill the Writing-in-the-Discipline requirement.*

b *SPAN courses taught in English may not count toward this requirement.*

Additional Requirements for Teacher Licensure

Code	Title	Hours
Required Courses		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
SPED 410	Exceptional Learners	3
SPAN 451	Educational Practice with Seminar I	6
SPAN 452	Educational Practice with Seminar II	6
Total Hours		**25**

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 cumulative GPA of 2.50/4.00 in all LAS and General Education requirements and a GPA of 3.00/4.00 or greater in courses for the Teacher Education in Spanish major including education courses. For detailed information, see the *Program Guide for Teacher Education in Spanish*, available from the secondary education coordinator in the Department of Hispanic and Italian Studies.

The teaching license is not automatically awarded upon successful completion of licensure and degree requirements. Before the license is issued, the candidate must file an application for the Illinois teaching license with the Council on Teacher Education. The candidate must also pass a series of examinations required by the Illinois State Board of Education. The Content Area Test must be passed before the candidate is allowed to student teach. For information on application procedures, contact the Council on Teacher Education located at 412 S. Peoria, Suite 634. See the Council on Teacher Education (p. 479) section of the catalog.

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
Declare Secondary Education Curriculum		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
Take General Education/Curriculum Courses		16-18
(Meet with Program Advisor) [b]		
	Hours	**16-18**
Second Year		
Fall Semester		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Third Year		
Fall Semester		
SPED 410	Exceptional Learners	3
CI 414	Middle and High School Literacy (after admission to candidacy) [d]	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Spring Semester		
Request Enrollment Approval for:		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom (March 15) [d]	
Complete Application to Student Teach [c]		
Take Content Area Test by deadline [a,c]		
Complete General Education/Curriculum courses		16-18
	Hours	**16-18**
Fourth Year		
Fall Semester		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
Complete General Education/Curriculum courses		8
	Hours	**12**
Spring Semester		
File Intent to Graduate Form (No later than the 3rd week of the semester in which you plan to graduate)		
Complete Student Teaching		12
Complete Entitlement Application		
	Hours	**12**
	Total Hours	**120**

a http://www.il.nesinc.com

b *https://las.uic.edu/advising/major-minor-advising*

c *Consult program advisor or CTE website for deadline*

d *Only for Teaching of History and Mathematics*

Secondary and Foreign Language Education Information

Declaration of Teaching Curriculum

When: As soon as a student decides to pursue licensure as a secondary or foreign language teacher, the student should declare the appropriate curriculum in the host department.

Prerequisites: There are no prerequisites to declare a “Teaching of…” curriculum in LAS (except “Teaching of Mathematics” which requires

Minor in Italian and Italian American Studies

Requirements for the Minor

Students from other disciplines who want to minor in Italian and Italian American Studies must complete 19 semester hours as outlined below:

Code	Title	Hours
Required Courses		
ITAL 104	Intermediate Italian II	4
Select two of the following:		6
ITAL 200	Italian in Practice [a]	
ITAL 201	Exploring Italy: Introduction to Writing and Critical Methods	
ITAL 210	Introduction to Italian Literary and Cultural Studies	
Three semester hours at the 300 level		3
Six additional semester hours in Italian and Italian American Studies courses at the 200 level or above		6
Total Hours		**19**

a *Native and heritage speakers who place out of ITAL 104 will not be admitted into this course and should register for ITAL 201 and/or ITAL 210. Please consult an LAS advisor for eligibility for retroactive credit once they complete the ITAL 201 or ITAL 210 course.*

Certificate of Academic Spanish for Heritage Speakers

The Certificate of Academic Spanish for Heritage Speakers provides students who place into the Spanish heritage basic language program the opportunity to further develop their formal linguistic proficiency in Spanish. The main objectives of the certificate are to:

- Help students develop oral, reading, and writing skills in Spanish beyond those acquired informally in their homes and communities.
- Promote and support heritage speakers' linguistic pride, cultural identity, and sense of belonging as members of a larger Spanish-speaking community.
- Guide Spanish heritage students in the professional presentation of their language skills and cultural competencies, expanding future educational and career pathways.

Requirements for the Certificate

Students from other disciplines who want to pursue the Certificate of Academic Spanish for Heritage Speakers must complete a minimum of 16 semester hours, as outlined below.

Code	Title	Hours
Required Courses		
SPAN 114	Spanish for Heritage Speakers II	4
SPAN 202	Spanish Grammar in Practice	3
SPAN 204	Extensive Reading and Writing for Heritage Speakers of Spanish	3
Electives		
Two SPAN courses (6 hours) at the 200, 300, or 400 levels. Only one SPAN course taught in English may count toward this requirement.		6

The following is a list of recommended courses for the elective requirement. While all SPAN courses are appropriate for the elective credit hours, the following courses focus on skills and topics of especial relevance to Spanish Heritage students.

SPAN 206	Introduction to Hispanic Linguistics
SPAN 210	Introduction to the Formal Analysis of Hispanic Texts
SPAN 224	Bilingual/Bicultural Hispanic American Writers
SPAN 228	Introduction to Translation Theory
SPAN 303	Advanced Oral Presentation, Writing, and Analysis
SPAN 304	Introduction to Spanish Creative Writing for Heritage Speakers
SPAN 328	Advanced Translation
SPAN 363	Spanish in Society
SPAN 427	Studies in Language Policy and Cultural Identity
SPAN 440	Theory and Methods in Teaching Heritage Speakers
Total Hours	**16**

- All courses, required and electives, must be completed with a grade of C or better.
- A Spanish Heritage student who places into and completes a 200-level course may earn retroactive credit for SPAN 114 as per LAS policy.
- With approval from the director of undergraduate studies, transfer credit for a course earned with a B or above from another institution may satisfy one of the core requirements.
- Students who receive AP or IB credit for SPAN 202 have to take an additional elective.
- At least half the credits for the certificate (eight) must be completed in enrollment residence at UIC.

Department of History

Contact Information:
Campus Location: 913 University Hall (UH)
(312) 996–3141
hist.uic.edu

Administration:
Chair, Kevin Schultz, schultzk@uic.edu
Director of Undergraduate Studies, Junaid Quadri, jquadri@uic.edu (juadri@uic.edu)
Director of Teaching of History Program, Robert Johnston, johnsto1@uic.edu
Undergraduate Advisor for Teaching of History Majors, Julie Peters, jlpeters@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

Foreign Language		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**16-18**
Spring Semester		
HIST 2xx		3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course/Elective		3
	Hours	**16**
Third Year		
Fall Semester		
HIST 2xx		3
HIST 4xx		3
General Education Requirement course/Elective		3
Electives		6
	Hours	**15**
Spring Semester		
HIST 300	History Methods Colloquium	3
HIST 4xx		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
HIST 440	History Research Seminar	3
HIST at any level		3
Electives		9
	Hours	**15**
Spring Semester		
HIST 4xx		3
Electives		8
HIST at any level		3
	Hours	**14**
	Total Hours	**120**

Note: Students majoring in history are encouraged to consult with the department advisor for history during the fall semester of their second year to plan a concentration.

BA in the Teaching of History

Program Codes:
20FT1757BA

Degree Requirements

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 (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		36
Prerequisite and Collateral Courses		12
Additional Requirements for Teacher Licensure		28
General Education and Electives to reach minimum Total Hours		44
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
Select one of the following courses:		3
HIST 106	The World Since 1400: Converging Worlds, New Circulations [a]	
HIST 114	Topics in World History [a]	
Select one of the following courses:		3
HIST 100	Western Civilization to 1648 [b]	
HIST 101	Western Civilization Since 1648 [b]	
Select one of the following courses:		3
HIST 103	Early America: From Colonization to Civil War and Reconstruction [c]	
HIST 104	Modern America: From Industrialization to Globalization [c]	
HIST 255	History of Chicago [c]	3
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	3
Three additional 400-level history courses, including HIST 440 [e]		9
The above course work must be distributed across the following fields:		
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		**36**

a *HIST 106 and HIST 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.*

b *HIST 100 and HIST 101 count toward the field of European history. HIST 100 and HIST 101 are approved for the following General Education categories: Understanding the Past and Exploring World Cultures.*

c *HIST 103, HIST 104, and HIST 255 count toward the field of U.S. history. HIST 103, HIST 104, and HIST 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.*

Complete Application to Candidacy [b]		
	Hours	**15-16**
Spring Semester		
HIST 300	History Methods Colloquium	3
HIST 320 or HIST 420	Teaching History and the Related Disciplines or Teaching the Social Sciences	3-4
400-level history course		3
History area courses or Electives		3
HIST 419	Teaching Civics Literacy	3 or 4
Request Enrollment Approval for ED 425 (March 15) [b]		
Complete Application to Student Teach [b]		
Take Content Area Test by Deadline [b]		
	Hours	**15-17**
Fourth Year		
Fall Semester		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
HIST 440	History Research Seminar	3
400-level history course		3
Social science course or Electives		3
	Hours	**13**
Spring Semester		
HIST 475	Educational Practice with Seminar I	6
HIST 476	Educational Practice with Seminar II	6
File Intent to Graduate Form (no later than the 3rd week of the semester the student plans to graduate)		
Complete Entitlement Application		
	Hours	**12**
	Total Hours	**120**

a *http://www.las.uic.edu/departmentaladvising*
b *Consult program advisor or CTE website for deadline.*

Minor in History

Requirements for the Minor

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 and at least three courses taken at UIC. No more than 3 hours of HIST 499 may count toward this requirement.

Integrated Health Studies

Mailing Address:
3272 Science and Engineering South (SES)

Contact Information:
(312) 996–2211
ihs.uic.edu

Administration:
Head: Eric Stabb
Director of Undergraduate Studies, Biological Sciences (Health and Science concentration): Aixa Alfonso
Director of Undergraduate Studies, Psychology (Behavioral Health concentration): Katherine Zinsser

The Bachelor of Science in Liberal Arts and Sciences, Major in Integrated Health Studies is a collaborative program of the College of Applied Health Sciences and the College of Liberal Arts and Sciences. The program is jointly supported by the College of Liberal Arts and Sciences Departments of Biological Sciences and Psychology and administered by the Department of Biological Sciences.

The Major in Integrated Health Studies provides students the opportunity to explore the complexity of human health, from the level of the gene to society, by providing a diverse, interdisciplinary curriculum that includes core content spanning the life sciences, natural sciences, social sciences, and the humanities. As a more holistic perspective of health has evolved, the training of health professionals has evolved as well. Students will graduate with a broad understanding of human structure and function in health and disease across the lifespan; a broad understanding of how human health and disease are impacted by culture, the environment, society, and personal behavior; and an appreciation for health issues that are unique to the urban environment and to the global society. Upon completion of the bachelor's degree, graduates will be competitive for admission into professional and graduate health-related programs or entry into health-related careers.

Distinction

Departmental Distinction

In addition to completing the degree requirements for either the Behavioral Health or Health and Science concentration, the candidate for Departmental Distinction must earn a minimum 3.50/4.00 GPA in courses approved for the Integrated Health Studies major and a minimum 3.30/4.00 GPA cumulative overall GPA.

Highest Departmental Distinction

In addition to completing the degree requirements for either the Behavioral Health or Health and Science concentration, the candidate for Highest Departmental Distinction must either earn a 3.70/4.00 GPA in courses approved for the Integrated Health Studies major and a 3.30/4.00 cumulative GPA; or earn a minimum 3.50/4.00 GPA in courses approved for the Integrated Health Studies major, a 3.30/4.00 cumulative GPA, and complete at least 2 hours of PSCH 396 and/or BIOS 399.

Degree Programs

- BS with a Major in Integrated Health Studies—Concentration in Behavioral Health (p. 375)
- BS with a Major in Integrated Health Studies—Concentration in Health and Science (p. 378)

BS with a Major in Integrated Health Studies—Concentration in Behavioral Health

Degree Requirements

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students must complete university, college, and departmental degree requirements. The degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Majors in Integrated Health Studies must complete either the Behavioral Health Concentration or the Health and Science Concentration.

AHS 393	Synthesis in Health and Rehabilitation Sciences [e]	
AHS 402	Health Inter-professional Seminar	
BIOS 365	Human Ecological Systems	
DHD 202	Disability, Health, and Society	
KN 231 & KN 233	Anatomy and Physiology Lecture II and Anatomy and Physiology Laboratory II	
KN 237	Sport and Exercise Psychology	
KN 254	Human Anatomy and Physiology II	
LAS 289	LAS Internship [e]	
PHAR 201	Pharmaceutical Care in the US	
PSCH 242	Introduction to Research in Psychology	
PSCH 320	Developmental Psychology	
PSCH 415	Social Bases of Health Behavior	
SOC 251	Health and Medicine	
Total Hours		**38-52**

a *AHS 375 satisfies the Writing-in-the-Discipline requirement.*

b *Credit is not given if the student has credit in KN 230 or KN 251.*

c *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements or requirements of the major: BIOS 222/BIOS 312, BIOS 350/BIOS 351, CHEM 230/CHEM 233 or CHEM 232/CHEM 233.*

d *Students may use BIOS 399 or PSCH 396 toward this requirement with advisor approval. Students with a Pre-Nursing educational goal may also use NUEL 250 toward this requirement.*

e *Students who select AHS 393 or LAS 289 must enroll for a minimum of 3 semester hours. Only one course may be counted toward the major.*

Recommended Plan of Study—Integrated Health Studies Major, Concentration in Behavioral Health

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Select one of the following: [b]		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I	
Quantitative Reasoning Requirement [a]		4-5
General Education Requirement		3
	Hours	**15-16**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
Select one of the following: [b]		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II	
General Education Requirement [3]		3
	Hours	**15**
Second Year		
Fall Semester		
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
PSCH 100	Introduction to Psychology	4
AHS 200	Introduction to Integrated Health Sciences	3
Foreign Language		4
	Hours	**15**
Spring Semester		
Applied Health Content Area Selective [c]		3-5
Humanities/Social Sciences Content Area Selective [d]		3
ECON 120	Principles of Microeconomics	4
General Education Requirement		3
Foreign Language		4
	Hours	**17-19**
Third Year		
Fall Semester		
Health Economics Content Area Selective [e]		3-4
Natural Sciences Content Area Selective [f]		3-6
Behavioral Health Concentration Selective [g]		3-4
General Education Requirement		3
Foreign Language		4
	Hours	**16-21**
Spring Semester		
Behavioral Health Concentration Selective [g]		3-4
Behavioral Health Concentration Selective [g]		2-5
General Education Requirement		3
Foreign Language		4
	Hours	**12-16**
Fourth Year		
Fall Semester		
AHS 375	Ethics, Law and Professionalism in Health Sciences [h]	3
Electives		12
	Hours	**15**
Spring Semester		
Electives		15
	Hours	**15**
	Total Hours	**120**

a *Majors are strongly encouraged to satisfy the Quantitative Reasoning requirement by taking either STAT 130 or calculus at the level of MATH 170 or above. A grade of C or better is required to satisfy the Quantitative Reasoning requirement.*

b *The two Analyzing the Natural World and the two General Education course requirements can be satisfied with BIOS 110, BIOS 120 , CHEM 116 or CHEM 122/CHEM 123, and CHEM 118 or CHEM 124/CHEM 125.*

c *Applied Health Content Area requirement may be satisfied by taking one of the following: HN 196, KN 152, KN 230/KN 232, KN 253, PUBH 100.*

d *Humanities/Social Sciences Content Area requirement my be satisfied by taking one of the following: ANTH 216, DHD 101, PHIL 116, PSCH 231, PSCH 270, SOC 100 or SOC 105.*

e *Health Economics Content Area requirement may be satisfied by taking one of the following: ECON 106, ECON 121,* ECON 215.

f *Natural Sciences Content Area requirement may be satisfied by taking one of the following: BIOS 222/BIOS 312, BIOS 350/BIOS 351, CHEM 232/CHEM 233 or CHEM 230/CHEM 233, PHYS 118, PHYS 131. It is recommended that the BIOS and CHEM lecture and lab be taken over two semesters.*

g *Courses that may be used to satisfy the Behavioral Health Concentration are: AHS 304, AHS 330, AHS 393, AHS 402,*

Natural Sciences		3-6
BIOS 222 & BIOS 312	Cell Biology and Cell Biology Laboratory [c]	
BIOS 350 & BIOS 351	General Microbiology and Microbiology Laboratory	
CHEM 230 & CHEM 233	Organic Chemistry of Biological Systems and Synthesis Techniques Laboratory [c]	
CHEM 232 & CHEM 233	Structure and Function and Synthesis Techniques Laboratory [c]	
PHYS 118	Physics in Modern Medicine	
PHYS 131	Introductory Physics for Life Sciences I	
Concentration Courses		
In addition to Core and Content Area courses, students are required to earn either the Concentration in Behavioral Health or the Concentration in Health and Science.		
Concentration in Health and Science (8-16 hours)		
Select three courses from either the following list or the Natural Sciences and/or Health Economics Content Areas. Courses taken to satisfy the Content Area requirement may not be used to satisfy the requirements of the concentration.		8-16
AHS 393	Synthesis in Health and Rehabilitation Sciences [d]	
AHS 402	Health Inter-professional Seminar	
BIOS 220 & BIOS 310	Genetics and Genetics Laboratory [c]	
BIOS 286 or PSCH 262	The Biology of the Brain Behavioral Neuroscience	
BIOS 320 & BIOS 321	Developmental Biology and Developmental Biology Laboratory [c]	
BIOS 340 & BIOS 443	Environmental Physiology and Animal Physiological Systems Laboratory	
BIOS 343 & BIOS 443	Animal Physiological Systems and Animal Physiological Systems Laboratory [c]	
BIOS 352	Introductory Biochemistry	
BIOS 365	Human Ecological Systems	
BIOS 446	Evolution and Human Disease	
CHEM 234	Chemical Synthesis	
HN 307	Human Nutrition and Metabolism	
LAS 289	LAS Internship [d]	
Total Hours		**38-52**

a *AHS 375 satisfies the Writing-in-the-Discipline requirement.*

b *Credit is not given if the student has credit in KN 230 or KN 251.*

c *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements or requirements of the major: BIOS 220/BIOS 310, BIOS 222/BIOS 312, BIOS 320/BIOS 321, BIOS 340/BIOS 443 or BIOS 343/BIOS 443, BIOS 350/BIOS 351, CHEM 230/CHEM 233 or CHEM 232/CHEM 233.*

d *Students who select AHS 393 or LAS 289 must enroll for a minimum of 3 semester hours. Only one course may be counted toward the major.*

Recommended Plan of Study—Integrated Health Studies Major, Concentration in Health and Science

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Quantitative Reasoning Requirement [a]		4-5
Select one of the following: [b]		5
CHEM 116	Honors and Majors General and Analytical Chemistry I	
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I	
General Education Requirement		3
	Hours	**15-16**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
Select one of the following: [b]		5
CHEM 118	Honors and Majors General and Analytical Chemistry II	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II	
General Education Requirement		3
	Hours	**15**
Second Year		
Fall Semester		
BIOS 110 or BIOS 120	Biology of Cells and Organisms [b] or Biology of Populations and Communities	4
PSCH 100	Introduction to Psychology	4
AHS 200	Introduction to Integrated Health Sciences	3
Foreign Language		4
	Hours	**15**
Spring Semester		
ECON 120	Principles of Microeconomics	4
Humanities/Social Sciences Content Area Selective [g]		3
Natural Sciences Content Area Selective [d]		3-6
General Education Requirement		3
Foreign Language		4
	Hours	**17-20**
Third Year		
Fall Semester		
Health and Science Concentration Selective [e]		3-6
Applied Health Content Area Selective [f]		3-5
Health Economics Content Area Selective [c]		3-4
General Education Requirement		3
Foreign Language		4
	Hours	**16-22**
Spring Semester		
Health and Sciences Concentration Selective [e]		3-6
Health and Sciences Concentration Selective [e]		2-4
General Education Requirement		3
Foreign Language		4
Elective		3
	Hours	**15-20**
Fourth Year		
Fall Semester		
AHS 375	Ethics, Law and Professionalism in Health Sciences [h]	3
Electives		9
	Hours	**12**

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 exposure to both Latin American and Latino studies, with a general background from introductory-level courses and a more specialized study at the advanced level. Students can tailor the remaining requirements toward a more general curriculum by taking an equal number of courses in Latin American Studies and in Latino Studies or pursue an area of specialization by taking more of their remaining 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.

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 403, and a 15-20 page senior project for **Highest Distinction.**

Degree Program

- BA with a Major in Latin American and Latino Studies (p. 381)

Minor

- Minor in Latin American and Latino Studies (p. 382)

BA with a Major in Latin American and Latino Studies

Program Codes:
20FT1405BA

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 Department of Latin American and Latino Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		33-36
Prerequisite and Collateral Courses		4
General Education and Electives to reach minimum Total Hours		80-83
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) 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:

Code	Title	Hours
Required Courses		
LALS 101	Introduction to Latin American Studies [a,b]	3
LALS 102	Introduction to Latino Studies [b,c]	3
Three 200-level courses		9
LALS 301	Research Methods in Latin America and Latino Studies [d]	3
One additional 100- or 200-level course		3
Two additional 300-level courses		6
LALS 491	Topics in Latin American Studies	3
LALS 495	Topics in Latino Studies	3
LALS 403	Interdisciplinary Research Methods in Latin American and Latino Studies (required for highest departmental distinction only)	3
Total Hours		**33-36**

a *This course is approved for the Exploring World Cultures General Education category.*
b *This course is approved for the Understanding the Past General Education category.*
c *This course is approved for the Understanding U.S. Society General Education category.*
d *LALS 301 fulfills the Writing-in-the-Discipline requirement.*

Prerequisite and Collateral Courses

Code	Title	Hours
Courses		
SPAN 104	Intermediate Spanish II	4
or SPAN 114	Spanish for Heritage Speakers II	
Total Hours		**4**

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Elective		4
Quantitative Reasoning		3-5
General Education Requirement course		3-5
	Hours	**13-17**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
LALS 101 or LALS 102	Introduction to Latin American Studies or Introduction to Latino Studies	3
Elective		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**

- Proposals will be evaluated by the LAS Associate Dean for Student Academic Affairs and the Executive Assistant Dean for Student Academic Affairs on a rolling basis. Students will be notified of the outcome of their application within four to six weeks. See the Major in Liberal Studies website for more information and a link to the electronic application. Incomplete applications will not be reviewed.
- Students accepted to the major will be assigned an academic an LAS academic advisor to monitor their progress toward graduation.

Code	Title	Hours
Program Requirements		
120 hours are required for the degree. Approved plans of study for the Major in Liberal Studies must include the following:		
• At least 30 (and no more than 40) semester hours for the major		
• An established UIC minor or certificate in its entirety, along with additional relevant and complementary courses. Programs may be completed with a second minor or certificate instead of electives.		
• A minimum of 18 hours of advanced (200-level, 300-level, 400-level) coursework, of which at least 6 semester hours must be at the 300 level or above.		
• A course in the student's minor department that is designated to satisfy the Writing-in-the-Discipline requirement; alternatively, an appropriate Writing-in-the-Discipline course from another department or program must be proposed and approved.		
Career Exploration and Preparation requirement:		
• This may be satisfied by LAS 200 (1 semester hour) or LAS 289 (1-3 semester hours). With advisor approval, this requirement may also be satisfied with internship or practicum credit from another department. Completion of a comparable professional experience (including internships for which credit was not earned) may also be considered, though students may be required to supplement the experience with workshops or one-on-one advising with an LAS career advisor.		
Students in the Liberal Studies major are also required to:		
• Complete all UIC and LAS requirements for graduation [a]		
• Meet with their assigned LAS academic advisor at least once each term		

a *Students transferring into LAS with senior standing should consult the catalog regarding options for LAS's foreign language requirement.*

Note: Revisions to the approved plan of study must be proposed in consultation with the director of undergraduate studies for the LAS minor or certificate as appropriate and approved by the assigned LAS academic advisor. The assigned academic advisor will also document these approvals. Students must seek approval for such revisions prior to enrolling in the relevant course.

Students will not be allowed to major in both an existing major and the Major in Liberal Studies.

Department of Linguistics

Contact Information:

Campus Location: 1722 University Hall
(312) 996-5218
ling.uic.edu

Administration:
Head and Director of Undergraduate Studies, Xuehua Xiang, xxiang@uic.edu

BS in Computer Science and Linguistics

The Bachelor of Science in Computer Science and Linguistics is a collaborative program of the College of Liberal Arts and Sciences and the College of Engineering designed to prepare students to pursue technical or professional careers in arts and sciences areas requiring a sound grounding in computer science. It is designed to meet an increasing demand for programming skills in various disciplines that include an aspect of language. This may include speech recognition, speech synthesis, machine-human interaction, narrative science/natural language generation, or more direct work with language analysis using computational tools, including documentation of indigenous languages, language learning, communication, and digital humanities and textual analyses.

Minor in Chinese

The Department of Linguistics offers coursework leading to the Minor in Chinese. It is aimed at students who wish to develop their language proficiency and cultural competence in Chinese. This minor is not intended for proficient native speakers of Mandarin Chinese.

Minor in Linguistics

The Department of Linguistics offers coursework leading to the Minor in Linguistics. The minor will engage students in the description and analysis of language structure, use, and learning. The minor will position students for further study in linguistics as well as for many careers in which critical thinking is required. Specifically, the minor provides knowledge and skills relevant for work in education, the teaching of English or other languages, the computer industry, translation and interpretation, language documentation, publishing and dictionary work, testing and assessment, government work, such as the foreign service, or consultant work in the fields of acting, advertising, law, or medicine.

Degree Program

- BS in Computer Science and Linguistics (p. 383)

Minors

- Minor in Chinese (p. 385)
- Minor in Linguistics (p. 385)

BS in Computer Science and Linguistics

Admissions Requirements

In order to be considered for admission to the BS in Computer Science and Linguistics, students must have: At least one C and one B in MATH 180 and CS 111/CS 112/CS 113 with an average math/science/engineering GPA of 2.50/4.00, and at least a B in LING 150. Prior to completing these requirements, students may declare "pre-Computer Science and Linguistics" only. Transfer students who are admitted to UIC with all academic requirements complete should speak with their academic advisor at orientation about next steps. The College of

g *MCS 441 has a prerequisite of MATH 215.*

h *Two of these three courses (6 hours) must be at the 300 level or above, and at least one course at the 300 level (or above) must come from LING.*

i *A maximum of 6 hours of* LING 300 *and a maximum of 6 hours of* LING 459 *may count toward this requirement.*

j *This course is taught in Spanish.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
CS 111 or CS 112 or CS 113	Program Design I or Program Design I in the Context of Biological Problems or Program Design I in the Context of Law and Public Policy	3
LING 150	Introduction to the Study of Language	3
Understanding the Past course		3
	Hours	**16**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
CS 141	Program Design II	3
LING 160	Language and Society	3
	Hours	**13**
Second Year		
Fall Semester		
STAT 381	Applied Statistical Methods I	3
CS 151	Mathematical Foundations of Computing	3
CS 211	Programming Practicum	3
Foreign Language		4
Understanding the Creative Arts course		3
	Hours	**16**
Spring Semester		
CS 251	Data Structures	4
CS 301	Languages and Automata	3
LING 210	Introduction to Natural Language Syntax	3
Foreign Language		4
	Hours	**14**
Third Year		
Fall Semester		
CS Selective or CS 421 [a]		3
LING Selective or LING 230 [b]		3
Foreign Language		4
Analyzing the Natural World course (with lab)		4-5
	Hours	**14-15**
Spring Semester		
LING 210 or LING 220	Introduction to Natural Language Syntax or Introduction to Phonetics and Phonology	3
CS Selective or CS 421 [a]		3
Foreign Language		4
Electives		5
	Hours	**15**
Fourth Year		
Fall Semester		
LING Selective or LING 230 [b]		3
CS Selective [a]		3
LING Selective [b]		3
Analyzing the Natural World course (with lab)		4-5
Elective		2
	Hours	**15-16**
Spring Semester		
LING Selective [b]		3
CS Elective		3
Exploring World Cultures course		3
Electives		6
	Hours	**15**
	Total Hours	**120**

a *Must complete two of the following: CS 342, CS 411, CS 412, CS 418, CS 422, or MCS 401/CS 401.*

b *Must complete three of the following: LING 260, LING 300, LING 310, LING 320, LING 330/CHIN 330, LING 340, LING 350, LING 360, LING 370, LING 440, LING 459, LING 483, LING 487, PHIL 206, SPAN 361, SPAN 362, SPAN 363, SPAN 365.*

Minor in Chinese

Requirements for the Minor

To declare the minor, students must demonstrate basic proficiency in Chinese through coursework or a placement test. Those who are using coursework for entry into the minor must have earned a grade of B or above in CHIN 103 in order to declare the minor. Students who place into CHIN 104 may also declare the minor. Students who want to minor in Chinese must complete 16 semester hours as follows:

Code	Title	Hours
Required Courses		
CHIN 104	Intermediate Chinese II	4
CHIN 200	Advanced Communication in Chinese	3
CHIN/GLAS 209	Advanced Chinese Language and Culture	3
Select two of the following:		6
CHIN 300	Special Topics in Advanced Chinese Skills [a]	
CHIN/LING 330	A Linguistic Introduction to Chinese	
HIST/GLAS 109	East Asian Civilization: Ancient China	
HIST/GLAS 271	Late Imperial China: 1500 to 1911	
HIST/GLAS 272	China Since 1911	
POLS/GLAS 231	Introduction to Chinese Politics	
Total Hours		**16**

a *CHIN 300 can be taken twice, as long as the course topics are different. Doing so would satisfy this requirement.*

Minor in Linguistics

Requirements for the Minor

Students who wish to pursue the Minor in Linguistics must complete 18 semester hours, at least 9 of which must be at the 200 level or above. Courses used to complete the minor should comply with the following requirements:

- Enhance their ability to equitably engage, learn from, and interact with peoples originally from countries and geographies outside of the U.S. in diverse personal, communal, and professional settings.

For the minor, students take courses on literature, film and other visual media, and popular culture from outside the geographical United States, taught in English, with texts in translation.

Minor

- Minor in Comparative Cultural Studies (p. 387)

Minor in Comparative Cultural Studies

Requirements for the Minor

Students who wish to pursue the Minor in Comparative Cultural Studies must complete 15 semester hours. Courses used to complete the minor should comply with the following requirements:

Code	Title	Hours
Required Courses		
LCSL 250	Introduction to Comparative Cultural Studies	3
Literature and cultural studies courses primarily taught in English, and listed by the School of Literatures, Cultural Studies and Linguistics departments and programs under the following subjects: ARAB, CEES, FR, GER, GKM, JST, ITAL, LCSL, LITH, KOR, POL, SPAN, and RUSS. [a]		12
Students must take courses in at least two subject codes with a maximum of 6 hours in any one subject code. [b]		
At least 6 of the 12 hours must be completed at the 200 level or above.		
A maximum of 3 hours of relevant literature and/or cultural studies courses taught in the target language (not English) and housed in the School of Literatures, Cultural Studies and Linguistics may be used with the approval of the an advisor for the minor. Basic language courses (101-104) are not eligible for these hours.		
A maximum of 6 hours of relevant literature and/or cultural studies courses from areas/subjects taught by programs not housed in the School of Literatures, Cultural Studies and Linguistics may be used only with the documented approval of the acadmic advisor for the minor.		
Students can use a maximum of 6 hours toward both the Minor in Comparative Cultural Studies and any other established major, minor, or certificate.		
Total Hours		**15**

a *Courses taught in English are so noted in the course description. Students should consult with an advisor for the minor to confirm whether a course is eligible.*

b *The limit of 6 hours in a single subject code includes cross-listings.*

Department of Mathematics, Statistics, and Computer Science

Contact Information:

Campus Location: 322 Science and Engineering Offices (SEO)
(312) 996–3041
mscs.uic.edu

Administration:
Head, Julius Ross
Director of Undergraduate Studies, Nathan Jones, dus-mscs@uic.edu

Introduction

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 or majors 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, the Bachelor of Science with a Major in Mathematics and Computer Science, and the Bachelor of Science with a Major in Statistics. 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 with a Major 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 with a Major in Mathematics and Computer Science, or the BS with a Major in Statistics. Only grades of A, B, or C in calculus and above from other colleges and universities will be accepted for transfer credit.

Distinction

Departmental Distinction: Departmental Distinction is awarded to students with a minimum of a 3.50/4.00 GPA in upper-division courses in the department.

High Departmental Distinction and Highest Departmental Distinction may be awarded in recognition of outstanding academic achievement.

Degree Programs

- BS with a Major in Mathematics (p. 388)
- BS with a Major in Statistics (p. 389)
- BS in the Teaching of Mathematics (p. 390)
- BS with a Major in Mathematics and Computer Science (p. 392)

Minors

- Minor in Mathematics (p. 393)
- Minor in Mathematics and Computer Science (p. 393)

Fourth Year	
Fall Semester	
Two MSCS electives (at least one at 400 level) [b]	6
Electives	9
Hours	**15**
Spring Semester	
One MSCS elective (at least one at 400 level) [b]	3
Electives	12
Hours	**15**
Total Hours	**120**

a *MATH 180 satisfies the LAS Quantitative Reasoning requirement with a grade of C or better.*

b *Electives chosen from mathematics, statistics, and mathematical computer science courses at the 200 level or higher, with the exception of MATH 310. At least 6 hours must be at the 400 level, excluding MATH 496, MCS 496, and STAT 496. See the Math advising guides for suggested elective options: Pure Mathematics, Applied Mathematics, Computational and Industrial Mathematics, and Probability and Statistics.*

Note: The requirement of two additional courses taken from any General Education category is satisfied by MATH 180 and MATH 181.

BS with a Major in Statistics

Program Codes:
20FT0329BS

The Bachelor of Science with a Major in Statistics is intended for students planning advanced study in statistics or for a career in the data-oriented applications of these disciplines to a wide variety of areas such as accounting, actuarial science, auditing, biostatistics, data management, financial analysis, hospital administration, long-range developmental planning, pharmaceuticals, traffic controls, and transportation management.

Majors in Statistics must complete a concentration in either Statistical Theory and Methods or Applied Statistics.

Degree Requirements

To earn a Bachelor of Science in Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The degree requirements for Department of Mathematics, Statistics, and Computer Science degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		39
General Education and Electives to reach Minimum Total Hours		81
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
MATH 180	Calculus I [a,b]	4
MATH 181	Calculus II [b]	4
MATH 210	Calculus III [b]	3
MATH 300	Writing for Mathematics [c]	1
STAT 381	Applied Statistical Methods I	3
STAT 382	Statistical Methods and Computing	3
STAT 385	Elementary Statistical Techniques for Machine Learning and Big Data	3
STAT 401	Introduction to Probability	3
STAT 481	Applied Statistical Methods II	3
In addition, students must choose one of the following concentrations:		12
Concentration I—Statistical Theory and Methods		
MATH 215	Introduction to Advanced Mathematics	
MATH 310	Applied Linear Algebra	
MATH 313	Analysis I	
One 400-level statistics course		
Concentration II—Applied Statistics		
Four courses in an area or topic of student interest, chosen in consultation with an advisor. The courses may be in any area outside the MSCS department that can utilize statistical methods. At least two courses must be at the 200 level or above.		
Total Hours		**39**

a *MATH 180 fulfills the LAS Quantitative Reasoning requirement.*

b *This course is approved for the Analyzing the Natural World (nonlaboratory) General Education category.*

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

Recommended Plan of Study (Concentration I—Statistical Theory and Methods)

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.

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I [a]	4
Foreign Language		4
General Education Requirement course		3-5
	Hours	**14-16**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
MATH 181	Calculus II	4
Foreign Language		4
General Education Requirement course		3-5
	Hours	**14-16**

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		**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 MTHT 401) to be recommended for student teaching (MTHT 438 and MTHT 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. Students must receive a grade of C or higher in all professional education and content-area coursework required for licensure and endorsement.

The teaching license is not automatically awarded upon successful completion of licensure and degree requirements. Before the license is issued, the candidate must file an application for the Illinois teaching license with the Council on Teacher Education. The candidate must also pass a series of examinations required by the Illinois State Board of Education. The Content Area Test must be passed before the candidate is allowed to student teach. For information on application procedures, contact the Council on Teacher Education located at 412 S. Peoria, Suite 634. See the Council on Teacher Education (p. 479) section of the catalog. For detailed information concerning degree and state teacher licensure 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

Course	Title	Hours
First Year		
Fall Semester		
Declare Secondary Education Curriculum		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
Take General Education/Curriculum Courses		16-18
(Meet with Program Advisor) [b]		
	Hours	**16-18**
Second Year		
Fall Semester		
Take General Education/Curriculum courses		16-18
	Hours	**16-18**
Spring Semester		
ED 200	Education Policy Foundations	3
ED 210	Principles of Learning and Instruction Across the Lifespan	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Third Year		
Fall Semester		
SPED 410	Exceptional Learners	3
CI 414	Middle and High School Literacy (after admission to candidacy) [d]	3
Complete Application to Candidacy [c]		
Take General Education/Curriculum courses		10-12
	Hours	**16-18**
Spring Semester		
Request Enrollment Approval for:		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom (March 15) [d]	
Complete Application to Student Teach [c]		
Take Content Area Test by deadline [a,c]		
Complete General Education/Curriculum courses		16-18
	Hours	**16-18**
Fourth Year		
Fall Semester		
ED 425	Curriculum, Instruction, and Assessment in the Urban Secondary Classroom	4
Complete General Education/Curriculum courses		8
	Hours	**12**
Spring Semester		
File Intent to Graduate Form (No later than the 3rd week of the semester in which you plan to graduate)		
Complete Student Teaching		12
Complete Entitlement Application		
	Hours	**12**
	Total Hours	**120**

a http://www.il.nesinc.com
b *https://las.uic.edu/advising/major-minor-advising*
c *Consult program advisor or CTE website for deadline*
d *Only for Teaching of History and Mathematics*

Secondary and Foreign Language Education Information

Declaration of Teaching Curriculum

When: As soon as a student decides to pursue licensure as a secondary or foreign language teacher, the student should declare the appropriate curriculum in the host department.

Prerequisites

To declare the Teaching of Mathematics curriculum, students need a B or better in MATH 180 or a cumulative math GPA of 2.50 or higher in all courses from MATH 180 and up. There are specific GPA requirements to remain in good standing and remain eligible for candidacy in each of the programs.

Timeline

Most “Teaching of…” curriculum students enrolled full-time should be able to complete their undergraduate course work and licensure requirements in four years, if they declare within their first four semesters. If a student does not make this decision until their junior year (5th semester or later), pursuit of the curriculum and teaching licensure will result in an extended undergraduate career. Model plans are available for transfer students and those beginning at UIC and declaring early; these are only to serve as an example for students considering the curriculum. Students should meet with the advisor in their department for personalized recommendations and timelines.

Education Courses

All Secondary Education curriculum students must take the following Education courses: ED 200, ED 210, SPED 410, and ED 425. Teaching of History and Math must also take CI 414. Students should meet with their department advisors to determine appropriate course sequence.

d *MCS 320 is recommended for students who plan to pursue the Concentration in Computational Mathematics.*
e *MCS 360 is recommended for students who plan to pursue the Concentration in Algorithms and Theory.*

Recommended Plan of Study

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.

Course	Title	Hours
First Year		
Fall Semester		
MATH 180	Calculus I	4
Foreign Language		4
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
General Education Core course		3-4
	Hours	**14-15**
Spring Semester		
MATH 181	Calculus II	4
MCS 260	Introduction to Computer Science	4
Foreign Language		4
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
	Hours	**15**
Second Year		
Fall Semester		
MATH 210	Calculus III	3
MATH 215	Introduction to Advanced Mathematics	3
Foreign Language		4
General Education Requirement course		3-5
Elective		3
	Hours	**16-18**
Spring Semester		
MATH 310 or MATH 320	Applied Linear Algebra or Linear Algebra I	3
MCS 275	Programming Tools and File Management	4
General Education Requirement course		3-5
Foreign Language		4
	Hours	**14-16**
Third Year		
Fall Semester		
MCS 320 or MCS 360	Introduction to Symbolic Computation or Introduction to Data Structures	3-4
MATH 300	Writing for Mathematics	1
General Education Requirement course		3-4
General Education Requirement course		3
Electives		6
	Hours	**16-18**
Spring Semester		
Electives		6
MCS 401 or MCS 471	Computer Algorithms I or Numerical Analysis	3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**15**
Fourth Year		
Fall Semester		
MATH, MCS, or STAT selective in concentration		3
Electives		12
	Hours	**15**
Spring Semester		
MATH, MCS, or STAT selective in concentration		3
Electives		12
	Hours	**15**
	Total Hours	**120**

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.

Minor in Mathematics

Requirements for the Minor

Students from other disciplines who want to minor in Mathematics must complete 20 semester hours distributed as follows:

Code	Title	Hours
Required Courses		
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MATH 210	Calculus III	3
MATH, MCS, or STAT electives at the 200, 300, or 400 level (with one in the MATH rubric)		9
Total Hours		**20**

Note: In order to earn the Minor in Mathematics, students in the College of Engineering are expected by their college to complete additional coursework. More information is available on the Department of Mathematics, Statistics, and Computer Science website.

Minor in Mathematics and Computer Science

Requirements for the Minor

Students from other disciplines who want to minor in mathematics and computer science must complete 22 semester hours distributed as follows:

Code	Title	Hours
Required Courses		
MATH 180	Calculus I	4
MATH 181	Calculus II	4
MCS 260	Introduction to Computer Science	4
MCS 275	Programming Tools and File Management	4
Two MCS courses at the 300 or 400 level		6
Total Hours		**22**

Moving Image Arts

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996-5218

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 also successfully complete an independent research project in BIOS 399, CHEM 499, PHIL 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 also successfully complete a BIOS 399, CHEM 499, PHIL 399, or PSCH 399 (research) level course in their area of concentration.

Degree Program

- BS in Neuroscience (p. 395)

BS in Neuroscience

Program Codes:
20FT0323BS

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 (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Requirements for the Curriculum		120
Total Hours		**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 (p. 297) section.

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in 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 170	Calculus for the Life Sciences [c,d]	4
or MATH 180	Calculus I	
BIOS 110	Biology of Cells and Organisms [c]	4
BIOS 120	Biology of Populations and Communities [c]	4
BIOS 220	Genetics	3
BIOS 222	Cell Biology	3
Select one of the following sequences in general chemistry:		10
CHEM 116	Honors and Majors General and Analytical Chemistry I [c]	
CHEM 118	Honors and Majors General and Analytical Chemistry II [c]	
OR		
CHEM 122	Matter and Energy [e]	
CHEM 123	Foundations of Chemical Inquiry I [c,e]	
CHEM 124	Chemical Dynamics [e]	
CHEM 125	Foundations of Chemical Inquiry II [c,e]	
CHEM 230	Organic Chemistry of Biological Systems	3-4
or CHEM 232	Structure and Function	
CHEM 233	Synthesis Techniques Laboratory	2
PHIL 202	Philosophy of Psychology [f]	3
PSCH 242	Introduction to Research in Psychology	3
PSCH 343	Statistical Methods in Behavioral Science	4
BIOS/PHIL/PSCH 484	Neuroscience I	3
BIOS/PHIL/PSCH 485	Neuroscience II	3
BIOS 286	The Biology of the Brain	3
or PSCH 262	Behavioral Neuroscience	
Select one of the following:		3
PHIL 201	Theory of Knowledge	
PHIL 203	Metaphysics	
PHIL 204	Introduction to the Philosophy of Science	
PHIL 403	Metaphysics	
PHIL 401	Theory of Knowledge	
PHIL 402	Topics in Philosophy of Mind	
PHIL 404	Philosophy of Science	
Select two of the following laboratory courses:		6-8
BIOS 483	Neuroanatomy	
BIOS 486	Animal Behavior and Neuroethology	
BIOS 489	Cellular Neurobiology Laboratory	
PSCH 351	Laboratory in Perception	
PSCH 361	Laboratory in Learning and Conditioning	
PSCH 363	Laboratory in Behavioral Neuroscience	
PSCH 367	Laboratory in Cognitive Neuroscience	
BME 476	Neural Engineering I Laboratory	
BIOS 482	Molecular and Developmental Neurobiology Laboratory	
Select one of the following:		3
PSCH 350	Sensation and Perception	
PSCH 360	Learning and Conditioning	

Philosophy (from the Greek “love of wisdom”) originated as the search for understanding concerning the most basic features of reality, the natural world, and human life. The discipline prizes and develops the skill of engaging effectively with arguments on a tremendous range of subjects. In ancient times, philosophers pioneered the study of topics from the physical cosmos to the gods to human conduct. They debated not only the character of fundamental reality but also questions of how we can attain knowledge of it. To this day, philosophy engages with questions drawn from every part of our life and experience. For example: Is there such a thing as a purely objective observation? Am I identical with my brain? Is it ever permissible to break the law? Why is there evil in the world? Is death to be feared, and why?

Job candidates and applicants to professional schools can only be helped by being able to examine both sides of a question, think critically, write cogently, and solve very general abstract problems. Moreover, the powers of reflection, imagination, self-expression, and engagement with the ideas of others that philosophy cultivates are in themselves of fundamental value for human life.

Distinction

Departmental Distinction

Students may declare themselves as candidates for Distinction after completion of 16 hours of philosophy course work. Distinction will be awarded to students who:

1. satisfy the requirements for the Major in Philosophy,
2. complete one 400-level course in addition to courses taken to satisfy requirements of the major, and
3. earn 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 satisfactorily complete PHIL 390. 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.

Degree Program

- BA with a Major in Philosophy (p. 397)

Minor

- Minor in Philosophy (p. 399)

BA with a Major in Philosophy

Program Codes:
20FT0332BA

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 Philosophy degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		33
General Education and Electives to reach minimum Total Hours		87
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements [a]

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:

Code	Title	Hours
Required Courses		
PHIL 102	Introductory Logic [b]	3
PHIL 300	Fundamentals of Philosophical Discourse [c]	3
History of Philosophy		
Select three courses, from at least two different groups:		9
Group 1		
PHIL 220	Ancient Philosophy I: Plato and His Predecessors	
PHIL 221	Ancient Philosophy II: Aristotle and His Successors	
PHIL 222	Philosophy in the Islamic World	
PHIL 422	Studies in Medieval Philosophy	
PHIL 428	Topics in Ancient Philosophy	
Group 2		
PHIL 223	History of Modern Philosophy I: Descartes and His Successors	
PHIL 224	History of Modern Philosophy II: Kant and His Predecessors	
PHIL 423	Studies in Early Modern Philosophy	
PHIL 424	Kant	
Group 3		
PHIL 225	Nineteenth Century Philosophy	
PHIL 226	Twentieth-Century Analytic Philosophy	
PHIL 227	Continental Philosophy I: Phenomenology and Existentialism	
PHIL 425	Studies in Nineteenth-Century Philosophy	
PHIL 426	Analysis and Logical Empiricism	
PHIL 429	Special Studies in the History of Philosophy	
Electives		
Select two of the following:		6
PHIL 201	Theory of Knowledge	
PHIL 202	Philosophy of Psychology	
PHIL 203	Metaphysics	

Minor in Philosophy

Requirements for the Minor

Students from other disciplines who want to minor in Philosophy must complete 15 semester hours in Philosophy courses. No more than two courses (6 hours) can be at the 100 level, and at least one course (3 hours) must be at the 400 level.

PHIL 184, PHIL 484, and PHIL 485 cannot count toward the Minor in Philosophy.

Students are advised to speak to an advisor or member of the department to craft an appropriate set of courses to best complement other areas of study.

Department of Physics

Contact Information:
Campus Location: 2236 Science and Engineering South (SES)
(312) 996–3400
phys.uic.edu

Administration:
Head, Prof. Robert F. Klie
Director of Undergraduate Studies, Prof. Cecilia E. Gerber, gerber@uic.edu
Student Services: Ms. Melodie Shaw, melodies@uic.edu

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) and the Bachelor of Arts in Liberal Arts and Sciences with a Major in 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.

In addition to the Physics majors, the department also offers a Minor in Physics. The minor in physics is an attractive option for students in the math, chemistry, biology, pre-health, and engineering programs.

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 or PHYS 392, 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 PHYS 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 PHYS 392, as judged by the instructor of the course.

Degree Programs

- BA with a Major in Physics (p. 399)
- BS in Physics (p. 401)

Minors

- Minor in Physics (p. 402)

BA with a Major in Physics

Program Codes:
20FT0240BA

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 Physics degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Required Prerequisite and Collateral Courses		24
Major Requirements		40
General Education and Electives to reach minimum Total Hours		56
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) 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

Code	Title	Hours
Required Courses		
MATH 180	Calculus I [a,b]	4
MATH 181	Calculus II [a]	4
MATH 210	Calculus III [a]	3

Note: Students must earn at least 40 advanced hours at a four-year college or university. These hours may include hours in the major.
Note: The UIC General Education Requirement is nine courses: Two laboratory courses from Analyzing the Natural World, one course from each of Understanding the Individual and Society, Understanding the Past, Understanding the Creative Arts, Exploring World Cultures, and Understanding U.S. Society. The two remaining General Education courses can be taken from any category. For example, taking CHEM 122, CHEM 123, CHEM 124, CHEM 125 and PHYS 141, PHYS 142 fulfills four of nine General Education courses and the Analyzing the Natural World category.

BS in Physics

Program Codes:
20FT0240BS

Degree Requirements

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 (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Requirements for the Curriculum		120
Total Hours		**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 (p. 297) section.

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts [a]	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research [a]	3
Foreign Language (the equivalent of two years of a single language at the college level)		0-16
Exploring World Cultures course [b]		3
Understanding the Creative Arts course [b]		3
Understanding the Individual and Society course [b]		3
Understanding the Past course [b]		3
Understanding U.S. Society course [b]		3
MATH 180	Calculus I [c,d]	4
MATH 181	Calculus II [d]	4
MATH 210	Calculus III [d]	3
MATH 220	Introduction to Differential Equations	3
CHEM 122	Matter and Energy [e]	3
CHEM 123	Foundations of Chemical Inquiry I [d,e]	2
CHEM 124	Chemical Dynamics [e]	3
CHEM 125	Foundations of Chemical Inquiry II [d,e]	2
PHYS 141	General Physics I (Mechanics) [d]	4
PHYS 142	General Physics II (Electricity and Magnetism) [d]	4
PHYS 215	Computational and Mathematical Methods for the Physical Sciences	4
PHYS 230	Fundamentals of Relativity	3
PHYS 240	Fundamentals of Modern Quantum Theory	3
PHYS 241	Experiments in Modern Physics	1
PHYS 245	Introduction to Vibrations, Waves, and Thermal Physics	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 425	Modern Optics	4
or PHYS 482	Modern Experimental Physics II	
PHYS 402	Electromagnetism II [f]	4
or PHYS 412	Quantum Mechanics II	
PHYS 481	Modern Experimental Physics I [g,i]	4
PHYS 499	Survey of Physics Problems [h,i]	1
Electives		7-23
Total Hours		**120**

a *ENGL 160 and ENGL 161 fulfill the University Writing Requirement.*
b *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*
c *MATH 180 fulfills the LAS Quantitative Reasoning requirement.*
d *This course is approved for the Analyzing the Natural World General Education category.*
e *General Education credit is given for successful completion of both CHEM 122 and CHEM 123 or CHEM 124 and CHEM 125.*
f *Students planning to pursue graduate studies in physics are strongly encouraged to take both of these courses.*
g *PHYS 481 fulfills the LAS Writing-in-the-Discipline requirement.*
h *A grade of C or better is required in PHYS 499.*
i *Concurrent registration in PHYS 481 and PHYS 499 is required.*

Recommended Plan of Study

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.

Note: Students should consult the General Education (p. 83) section of the catalog for a list of approved courses in each category.

Course	Title	Hours
Freshman Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
MATH 180	Calculus I	4
PHYS 141	General Physics I (Mechanics)	4
Foreign Language		4
	Hours	**15**

The Department of Polish, Russian, and Lithuanian Studies (PRLS) offers language courses in Polish, Russian, and Lithuanian at the elementary, intermediate, and advanced levels. The undergraduate program develops language literacy skills and cultural competency in the regions of study.

Within the Bachelor of Arts with the Major in Central and Eastern European Studies, the department offers concentrations in Polish Studies, Russian Studies, and Central and Eastern European Studies. Minors in Polish Studies, Russian Studies, and Central and Eastern European Studies are also offered.

Students who choose a major or minor in the Department of Polish, Russian, and Lithuanian Studies build and solidify competence in their chosen foreign language—Polish, Russian, or Lithuanian—while deepening their knowledge of the cultures, literatures, history, and intellectual traditions of their chosen region. Department faculty work with all majors and minors to hone skills in critical thinking, academic and professional writing and speaking, and cultural sensitivity—highly sought in today's global marketplace—while introducing them to new developments in literature, film, art and politics in their country or region of concentration, and within diaspora communities in the U.S. PRLS students pursuing careers in the health professions, law, education, social work, criminology, business, and international relations expand their professional options and deepen connections to the community with linguistic and cultural competency skills in Polish, Russian, or Lithuanian

Degree Programs

The Department of Polish, Russian, and Lithuanian Studies (PRLS) offers the degree of BA with a Major in Central and Eastern European Studies. Each student electing the major or double-major will select a concentration in either Polish, Russian, or Central and Eastern European Studies (CEES), and work with an advisor to design a course of study accordingly.

Minors

A minor is offered by PRLS in three separate fields of study:

- Minor in Polish Studies
- Minor in Russian Studies
- Minor in Central and Eastern European Studies

Certificates

Campus Certificates are offered in both Polish and Russian language. Certificates may be earned by students from all schools within UIC.

Distinction

Departmental Distinction requires a 3.50/4.00 GPA in all department lower-division courses and a 3.75/4.00 GPA in all department upper-division courses taken.

Degree Programs

- BA with a Major in Central and Eastern European Studies—Central and Eastern European Studies Concentration (p. 403)
- BA with a Major in Central and Eastern European Studies—Polish Studies Concentration (p. 405)
- BA with a Major in Central and Eastern European Studies—Russian Studies Concentration (p. 406)

Minors

- Minor in Central and Eastern European Studies (p. 407)
- Minor in Polish Studies (p. 408)
- Minor in Russian Studies (p. 408)

Campus Certificates

- Undergraduate Campus Certificate in Polish Language (p. 408)
- Undergraduate Campus Certificate in Russian Language (p. 408)

BA with a Major in Central and Eastern European Studies—CEES Concentration

Program Codes:
20FT5734BA

Degree Requirements

To earn a Bachelor of Liberal Arts and Sciences degree from UIC, students must complete university, college, and departmental degree requirements. The Department of Polish, Russian, and Lithuanian Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		27
General Education and Electives to reach Minimum Total Hours		93
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
Select one of the following:		4
POL 104	Intermediate Polish II [a]	
RUSS 104	Intermediate Russian II [b]	
LITH 104	Intermediate Lithuanian II	
Note: Students pursuing the Concentration in Central and Eastern European Studies may take POL 104, RUSS 104, or LITH 104.		
Select one of the following: [c,d]		3
CEES 224	Introduction to Literary Analysis of Central Eastern European Texts	
CEES 225	Introduction to Central and Eastern European Cultures	
In addition, students must complete 20 semester hours from the Central and Eastern European Studies Concentration.		20
Total Hours		**27**

Third Year		
Fall Semester		
CEES 224 or CEES 225	Introduction to Literary Analysis of Central Eastern European Texts or Introduction to Central and Eastern European Cultures	3
Concentration course		3
General Education Requirement course		3
General Education Requirement course/Elective		3
Elective		3
	Hours	**15**
Spring Semester		
Concentration course		3
General Education Requirement course/Elective		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
Concentration course(s) [b]		3-6
Electives		13
	Hours	**16-19**
Spring Semester		
Concentration course		3
Concentration course		3
Electives		9
	Hours	**15**
	Total Hours	**120**

a *101, 102, and 103 basic language courses do not count toward the major requirements.*

b *CEES 224 and CEES 225 satisfy the Writing-in-the-Discipline requirement.*

BA with a Major in Central & Eastern European Studies—Polish Studies Concentration

Program Codes:
20FT5734BA

Degree Requirements

To earn a Bachelor of Liberal Arts and Sciences degree from UIC, students must complete university, college, and departmental degree requirements. The Department of Polish, Russian, and Lithuanian Studies degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Note: Students who select the Concentration in Polish Studies and have a GPA of 3.00/4.00 or higher are eligible to apply for the Dr. Boles#aw and Krystyna Mazur Scholarships in Undergraduate Polish Studies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		27
General Education and Electives to reach Minimum Total Hours		93
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
POL 104	Intermediate Polish II [a]	4
Select one of the following: [b,c]		3
CEES 224	Introduction to Literary Analysis of Central Eastern European Texts	
CEES 225	Introduction to Central and Eastern European Cultures	
In addition, students must complete 20 semester hours for the concentration in Polish Studies.		20
Total Hours		**27**

a *Native and heritage speakers who place out of POL 104 should register for POL 201. Placing out of 104 may qualify a student for up to 8 hours of retroactive credit. Please consult an LAS advisor for eligibility for retroactive credit after completion of POL 201.*

b CEES 224 *and* CEES 225 *fulfill the LAS Writing-in-the-Discipline requirement. If a student takes multiple courses that satisfy this requirement, the additional course(s) may count toward the 20 semester hours required for the concentration.*

c *When LCSL 250 is taught by a faculty member from the Department of Polish, Russian, and Lithuanian Studies, it may be used to satisfy this requirement instead of CEES 224 or CEES 225. Students should consult with their major advisor with questions about eligible sections of LCSL 250.*

Concentration in Polish Studies

Code	Title	Hours
Required Concentration Courses [a]		
20 hours of coursework in Polish Studies at the 100, 200, 300, or 400 level [b]		20
Recommended Concentration Courses:		
POL 201	Advanced Polish through Media and Film	
POL 202	Advanced Polish through Contemporary Culture	
POL 203	Advanced Polish through Short Stories	

a *A maximum of three semester hours in History (including crosslisted courses) may count toward required coursework.*

b *No more than 6 semester hours may be completed at the 100 level, and excluding* POL 101, POL 102, POL 103, *and* POL 104. *Polish courses cross-listed with the Department of History and CEES topics courses that focus on Polish Studies may be used to fulfill this requirement with approval of the departmental advisor.*

consult with their major advisor with questions about eligible sections of LCSL 250.

Concentration in Russian Studies Requirements

Code	Title	Hours
Required Courses [a]		**20**
20 hours of coursework in Russian Studies at the 100, 200, 300, or 400 level [b]		
Recommended Courses		
RUSS 201	Advanced Russian through Media and Film	
RUSS 202	Advanced Russian through Contemporary Culture	
RUSS 203	Advanced Russian through Short Stories	

a *A maximum of three semester hours in History (including crosslisted courses) may count toward required coursework.*

b *No more than 6 semester hours may be completed at the 100 level, and excluding RUSS 101, RUSS 102, RUSS 103, and RUSS 104. Russian courses cross-listed with the Department of History and CEES topics courses that focus on Russian Studies may be used to fulfill this requirement with approval of the departmental advisor.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
RUSS 101	Elementary Russian I [a]	4
General Education Requirement course		3-5
Quantitative Reasoning course		3-5
	Hours	**13-17**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
RUSS 102	Elementary Russian II [a]	4
General Education Requirement course		4-5
General Education Requirement course		3
	Hours	**14-15**
Second Year		
Fall Semester		
RUSS 103	Intermediate Russian I [a]	4
Concentration course		3
General Education Requirement course		3-5
General Education Requirement course		3
Elective		3
	Hours	**16-18**
Spring Semester		
RUSS 104	Intermediate Russian II	4
Concentration course [b]		3
General Education Requirement course		3
General Education Requirement course		3
Elective		3
	Hours	**16**
Third Year		
Fall Semester		
CEES 224 or CEES 225	Introduction to Literary Analysis of Central Eastern European Texts or Introduction to Central and Eastern European Cultures	3
Concentration course		3
General Education Requirement course		3
General Education Requirement course/Elective		3
Elective		3
	Hours	**15**
Spring Semester		
Concentration course		3
General Education Requirement course/Elective		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
Concentration course(s) [b]		3-6
Electives		13
	Hours	**16-19**
Spring Semester		
Concentration course		3
Concentration course		3
Electives		9
	Hours	**15**
	Total Hours	**120**

a *101, 102, and 103 basic language courses do not count toward the major requirements.*

b *CEES 224 and CEES 225 satisfy the Writing-in-the-Discipline requirement.*

Minor in Central and Eastern European Studies

Requirements for the Minor

Students from other disciplines who want to minor in Central and Eastern European Studies must complete 12 semester hours, including:

Code	Title	Hours
Required Courses		
CEES 224 or CEES 225	Introduction to Literary Analysis of Central Eastern European Texts or Introduction to Central and Eastern European Cultures	3
Nine hours of coursework in Central and Eastern European Studies at the 100, 200, 300, or 400 level. A minimum of 6 semester hours must be at the 200 level or above.		9
Total Hours		**12**

Note: Polish courses, Russian courses, Lithuanian courses, and history courses with a focus on Polish Studies, Russian Studies, and Central and East European Jewish Studies may be used to satisfy the 9-semester-hour requirement, as approved by the director of undergraduate studies. No more than 3 hours in courses cross listed with the Department of History may be applied to the minor.

RUSS 202	Advanced Russian through Contemporary Culture	3
RUSS 203	Advanced Russian through Short Stories	3
Total Hours		**17**

Undergraduate students in all colleges are eligible to complete the Certificate in Russian Language. Students pursuing the major in Polish, Russian, and Central and Eastern European Studies or minor in Russian Studies may not also pursue the Certificate in Russian Language. The Minor in Central and Eastern European Studies may be completed in addition to the Certificate in Russian Language only if no courses overlap between the two programs.

a *Test (AP/IB), proficiency (Seal of Biliteracy), or retroactive credit for* RUSS 103 *and/or* RUSS 104 *may be used to satisfy certificate requirements. At least half of the hours required for the certificate must be completed in enrollment residence at UIC.*

Department of Political Science

Contact Information:
Campus Location: 1102 Behavioral Science Building (BSB)
(312) 996–3105
swhitake@uic.edu
pols.uic.edu

Administration:
Head of the Department: Evan McKenzie
Director of Undergraduate Studies: Petia Kostadinova

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.

In addition to the BA with a Major in Political Science program, the department offers two concentrations: the Concentration in Law and Courts and the Concentration in Urban Politics.

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. The student must enroll in POLS 305, for 3 semester hours in each of the last two semesters of the student's senior year. Over the course of enrollment in POLS 305, students must write a research project and present and defend it to a faculty examining committee.

Degree Programs

- BA with a Major in Political Science (p. 409)
- BA with a Major in Political Science, Concentration in Law and Courts (p. 410)
- BA with a Major in Political Science, Concentration in Urban Politics (p. 412)

Minor

- Minor in Political Science (p. 413)

BA with a Major in Political Science

Program Codes:
20FT0343BA

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 (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		33
General Education and Electives to reach minimum Total Hours		87
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
POLS 101	Introduction to American Government and Politics [a,b]	3
POLS 200	Methods of Political Science	3
Select two of the following: [c]		6
POLS 120	Introduction to Political Theory	
POLS 130	Introduction to Comparative Politics	
POLS 184	Introduction to International Relations	
Select one of the following: [d]		3
POLS 329	Seminar on American Politics	
POLS 349	Topics in Comparative Politics	
POLS 389	Seminar: Topics in International Relations	
POLS 399	Seminar in Political Theory	
Four additional political science courses at the 200 level (or above). [e]		12

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
POLS 101	Introduction to American Government and Politics [a,b]	3
POLS 200	Methods of Political Science	3
Select two of the following: [c]		6
POLS 120	Introduction to Political Theory	
POLS 130	Introduction to Comparative Politics	
POLS 184	Introduction to International Relations	
Select one of the following: [d]		3
POLS 329	Seminar on American Politics	
POLS 349	Topics in Comparative Politics	
POLS 389	Seminar: Topics in International Relations	
POLS 399	Seminar in Political Theory	
Four additional political science courses at the 200 level (or above) and two additional political science courses at the 300 level (or above), including three courses from the following: [e]		18
POLS 258	The Judicial Process	
POLS 287	International Law	
POLS 353	Constitutional Law	
POLS 354	The Constitution and Civil Liberties	
POLS 356	Constitutional Law: Women, Gender and Privacy	
POLS 358	Constitutional Law: African-American Legal History	
POLS 359	Topics in Public Law	
POLS 451	Law and Public Policy	
Total Hours		**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 *(p. 83) 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.*

Note: At the discretion of the director of undergraduate studies, students may substitute a course from another department for one of the courses in public law.

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

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
POLS 101	Introduction to American Government and Politics [a]	3
Foreign Language		4
General Education Requirement course		3-5
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
POLS 120 or POLS 130 or POLS 184	Introduction to Political Theory [a] or Introduction to Comparative Politics or Introduction to International Relations	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
POLS 120 or POLS 130 or POLS 184	Introduction to Political Theory [a] or Introduction to Comparative Politics or Introduction to International Relations	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
POLS 200	Methods of Political Science	3
POLS 2xx, POLS 3xx, or POLS 4xx		3
Foreign Language		4
General Education Requirement course		3-5
Elective		3
	Hours	**16-18**
Third Year		
Fall Semester		
POLS 201	Political Data Analysis (or Quantitative Reasoning course) [b]	3
POLS 2xx, POLS 3xx, or POLS 4xx [c]		3
POLS 258 or POLS 287 or POLS 353 or POLS 354 or POLS 356 or POLS 358 or POLS 359 or POLS 451	The Judicial Process or International Law or Constitutional Law or The Constitution and Civil Liberties or Constitutional Law: Women, Gender and Privacy or Constitutional Law: African-American Legal History or Topics in Public Law or Law and Public Policy	3
Electives		6
	Hours	**15**
Spring Semester		
POLS 2xx, POLS 3xx, or POLS 4xx		3
POLS 353 or POLS 354 or POLS 356 or POLS 358 or POLS 359 or POLS 451	Constitutional Law or The Constitution and Civil Liberties or Constitutional Law: Women, Gender and Privacy or Constitutional Law: African-American Legal History or Topics in Public Law or Law and Public Policy	3

General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
POLS 120 or POLS 130 or POLS 184	Introduction to Political Theory [a] or Introduction to Comparative Politics or Introduction to International Relations	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
POLS 200	Methods of Political Science	3
POLS 2xx, POLS 3xx, or POLS 4xx		3
Foreign Language		4
General Education Requirement course		3
Elective		3
	Hours	**16**
Third Year		
Fall Semester		
POLS 2xx, POLS 3xx, or POLS 4xx [c]		3
POLS 201	Political Data Analysis (or Quantitative Reasoning course) [b]	3
POLS 210	Introduction to Urban Politics	3
General Education Course requirement		3
Elective		3
	Hours	**15**
Spring Semester		
POLS 211	Chicago's Future	3
POLS 301	Internship in Political Science	6
Electives		6
	Hours	**15**
Fourth Year		
Fall Semester		
POLS 329 or POLS 349 or POLS 389 or POLS 399	Seminar on American Politics [c] or Topics in Comparative Politics or Seminar: Topics in International Relations or Seminar in Political Theory	3
Electives		12
	Hours	**15**
Spring Semester		
Electives		14-15
	Hours	**14-15**
	Total Hours	**120**

a *POLS 101 and POLS 120 may be used to satisfy two of the nine courses in the General Education Requirement*

b *Satisfies Quantitative Reasoning requirement (with a grade of C or better) but is not required for the major. To be eligible, you must first satisfy the math prerequisite.*

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

Minor in Political Science

Requirements for the Minor

Students from other disciplines who want to minor in Political Science must complete 18 semester hours as outlined below:

Code	Title	Hours
Required Courses		
POLS 101	Introduction to American Government and Politics	3
POLS 200	Methods of Political Science	3
Select one of the following:		3
POLS 120	Introduction to Political Theory	
POLS 130	Introduction to Comparative Politics	
POLS 184	Introduction to International Relations	
Three additional POLS courses [a]		9
Total Hours		**18**

a At least one at the 200 level or above, and at least one at the 300 level or above. Not including POLS 305. Only one of POLS 301 or POLS 303 may be used toward this requirement.

Department of Psychology

Contact Information:
Campus Location: 1009 Behavioral Sciences Building (BSB)
(312) 996–2836
psch.uic.edu

Administration:
Head, Jamie D Roitman

Introduction

Students interested in an education that emphasizes an understanding of human behavior should consider a major in psychology. Psychology as a major/minor can lead to a broad range of career possibilities. An education that focuses on behavior principles is valuable for anyone whose future involves interacting with others.

Psychologists pursue careers in such areas as clinical services, health services, business, industry, testing, education, and behavioral research. There are plenty of career opportunities for students with a bachelor's degree in psychology, particularly in the areas of social work, healthcare, business, and human resources. Career opportunities in some specializations may require a master's degree, while career opportunities in others require a doctorate. Therefore, students should take time to examine their own interests, values, and goals in addition to job requirements and career options in their area of interest before embarking on an educational journey in psychology.

The Department of Psychology offers two undergraduate degrees

1. The Bachelor of Science (BS) in Liberal Arts and Sciences, Major in Psychology is appropriate for students who wish to gain a strong base of knowledge for understanding the theories and scientific method of psychology. Students considering graduate study in a research-oriented psychology program or who plan to pursue an advanced degree in another discipline where a degree in a scientific discipline is required or preferred (e.g., medicine, occupational therapy) may choose this major.
2. The Bachelor of Arts (BA) in Liberal Arts and Sciences, Major in Applied Psychology is appropriate for students who not only want a strong base in the core curriculum in psychology, but also an opportunity to gain hands-on experience in the field. The BA path is suited to students who plan to attend professional school in psychology or plan on entering the workforce upon graduation.

PSCH 353	Laboratory in Cognition and Memory	
PSCH 360	Learning and Conditioning	
PSCH 361	Laboratory in Learning and Conditioning	
PSCH 363	Laboratory in Behavioral Neuroscience	
PSCH 366	Cognitive Neuroscience	
Select at least one of the following: [d]		3
PSCH 210	Theories of Personality	
PSCH 231	Community Psychology	
PSCH 270	Introduction to Psychological and Behavioral Disorders	
PSCH 312	Social Psychology	
PSCH 313	Laboratory in Social Psychology	
PSCH 320	Developmental Psychology	
PSCH 321	Laboratory in Developmental Psychology	
PSCH 324	Cultural Psychology	
PSCH 331	Laboratory in Community and Prevention Research	
Select at least one of the following:		3
PSCH 381	Psychology of Interviewing	
PSCH 382	Psychological Interventions	
PSCH 384	Psychology of Groups	
Additional psychology courses for a minimum of 36 semester hours		7
Total Hours		**36**

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

b *PSCH 343 fulfills the LAS Quantitative Reasoning requirement.*

c *PSCH 385 fulfills the Writing-in-the-Discipline requirement.*

d *Students should consult the* General Education *(p. 83) section of the catalog to determine which of these courses are approved General Education courses.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**13**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language		4
PSCH 100	Introduction to Psychology	4
General Education Requirement course		3-5
	Hours	**14-16**
Second Year		
Fall Semester		
Psychology Elective [a]		3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Spring Semester		
PSCH 242	Introduction to Research in Psychology	3
Psychology Selective [b,c]		3
Foreign Language		4
General Education Requirement course		3
Elective		3
	Hours	**16**
Third Year		
Fall Semester		
PSCH 343	Statistical Methods in Behavioral Science [d]	4
Psychology Selective [b, c]		3
General Education Requirement course/Elective		3
General Education Requirement course/Elective		3
Electives		3
	Hours	**16**
Spring Semester		
PSCH 340	Psychological Testing	3
Psychology Elective [e]		3
Electives		9
	Hours	**15**
Fourth Year		
Fall Semester		
PSCH 381 or PSCH 382 or PSCH 384	Psychology of Interviewing or Psychological Interventions or Psychology of Groups	3
Psychology Elective [e]		3
Electives		9
	Hours	**15**
Spring Semester		
PSCH 385	Field Work in Applied Psychology	6
Electives		8
	Hours	**14**
	Total Hours	**120**

a *Psychology electives taken at this time are restricted to the 200 level, as 300-level PSCH courses cannot be taken until PSCH 242 is completed with a C or better.*

b *At least one course must be taken from PSCH 262, PSCH 350, PSCH 351, PSCH 352, PSCH 353, PSCH 360, PSCH 361, PSCH 363, and PSCH 366. Consult a departmental advisor when choosing courses.*

c *At least one course must be taken from PSCH 210, PSCH 231, PSCH 270, PSCH 312, PSCH 313, PSCH 320, PSCH 321, PSCH 324, and PSCH 331. Consult a departmental advisor when choosing courses.*

d A grade of C or better in *PSCH 343 satisfies the Quantitative Reasoning requirement.*

e *A combined maximum of 8 hours of credit in PSCH 396, PSCH 397, and PSCH 399 can be applied toward the degree.*

BS with a Major in Psychology

Degree Requirements

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 Psychology degree requirements for the Major in Psychology are outlined below. Students should consult

Fourth Year		
Fall Semester		
PSCH Selective - Lab Course (WID) [e]		3
Electives		12
	Hours	**15**
Spring Semester		
Electives		13-15
	Hours	**13-15**
	Total Hours	**120**

a *Psychology electives taken at this time are restricted to the 200 level, as 300-level PSCH courses cannot be taken until PSCH 242 is completed with a C or better.*

b *At least one course must be taken from PSCH 262, PSCH 350, PSCH 351, PSCH 352, PSCH 353, PSCH 360, PSCH 361, PSCH 363, and PSCH 366, in addition to courses taken to satisfy the Writing-in-the-Discipline requirement. Consult a departmental advisor when choosing courses.*

c *At least one course must be taken from PSCH 210, PSCH 231, PSCH 270, PSCH 312, PSCH 313, PSCH 320, PSCH 321, PSCH 324, and PSCH 331, in addition to courses taken to satisfy the Writing-in-the-Discipline requirement. Consult a departmental advisor when choosing courses.*

d *A combined maximum of 8 hours of credit in PSCH 396, PSCH 397 and PSCH 399 can be applied toward the degree.*

e *At least one course must be taken from PSCH 313, PSCH 321, PSCH 331, PSCH 351, PSCH 353, PSCH 361, PSCH 363, or PSCH 367 in order to fulfill the Writing in the Discipline Requirement.*

Minor in Psychology

Students may also minor in psychology. A minor is structured very much like the major in psychology, except that fewer courses are required. A psychology minor can be beneficial to anyone who values a basic understanding of behavior.

Requirements for the Minor

Students from other disciplines who want to minor in psychology must take a total of 18 hours distributed as follows.

Code	Title	Hours
Required Courses		
PSCH 100	Introduction to Psychology	4
PSCH 242	Introduction to Research in Psychology	3
Additional psychology courses at the 200 level or above for a minimum of 18 semester hours		11
Total Hours		**18**

Religious Studies

Contact Information:
Campus Location: 1722 University Hall (UH)
(312) 996-5218
rels.uic.edu

Administration:
Director, Junaid Quadri

Minor in Religious Studies

The Minor in Religious Studies introduces students to the academic study of religion. Through broad and diverse offerings, the program invites students to explore many of the world's major religious traditions, the texts that inform them, the communities that inhabit them, as well as the philosophical and theological questions that ground the origins of faith in general. With faculty drawn from departments across campus, the minor encourages students to examine religion and religious phenomena from a variety of disciplinary perspectives.

Minor

- Minor in Religious Studies (p. 417)

Minor in Religious Studies

Requirements for the Minor

Students who wish to minor in Religious Studies must complete six RELS courses (18 semester hours). The six courses must include at least one foundational course (RELS 100, RELS 101, RELS 106, RELS 175, and RELS 215). In addition, three of the six courses (9 semester hours) must be at the 200 level or above. Finally, to ensure interdisciplinary perspective, three of the six RELS courses must be cross-listed with three distinct units outside Religious Studies, as selected from the following: Black Studies; Anthropology; Art History; Architecture; Polish, Russian, and Lithuanian Studies; Classics; Economics; English; Gender and Women's Studies; Germanic Studies; Global Asian Studies; International Studies; Italian, Latin American and Latino Studies; History; Native American Studies; Philosophy; Political Science; Psychology; and Sociology.

In addition, students who wish to focus on one religious tradition may do so by taking at least three courses (9 semester hours) from a single tradition, including, but not limited to, Jewish Studies, Islamic Studies, or Catholic Studies.

Code	Title	Hours
Required Courses		
Select one of the following:		3
RELS 100	Religion in Human Experience	
RELS 101	Introduction to World Religions	
RELS/PHIL 106	What Is Religion?	
RELS/ENGL 175	Understanding the Bible as Literature	
RELS/ANTH 215	Anthropology of Religion	
Select any five RELS courses		15
Total Hours		**18**

Note: When topically relevant, topics courses from other departments may count toward the Minor in Religious Studies, as determined at any time by a committee of faculty in the Religious Studies program.

Department of Sociology

Contact Information:
Campus Location: 4112 Behavioral Sciences Building (BSB)
(312) 996–3005
soc.uic.edu

Administration:
Head, *TBD*

Students who wish to use their electives to pursue a concentration in Data and Analytics; Health and Medicine; Professions, Occupations, and Work; or Sociology for Social Work should consult the individual catalog pages for each concentration.	
Total Hours	**35**

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 *SOC 201 also fulfills the LAS Quantitative Reasoning requirement*
d *SOC 385 fulfills the Writing-in-the-Discipline requirement.*
e *SOC 490 is a senior capstone experience. It should be taken during the last semester of enrollment.*
f *Independent study courses (SOC 296, SOC 298, SOC 496, SOC 499) can be taken for up to 8 hours of credit, but only 3 hours of SOC 296 and SOC 298 and 3 hours of SOC 409, SOC 496 and SOC 499 can count toward the required elective credit at the 200 and 400 level respectively.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language		4
SOC 100 or SOC 105	Introduction to Sociology or Social Problems	3
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
SOC 2xx Elective		3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**13-15**
Spring Semester		
SOC 201	Introductory Sociological Statistics [a]	4
SOC 290	Sociology Major Orientation and Success [b]	2
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Third Year		
Fall Semester		
SOC 2xx Elective		3
SOC 300	Introduction to Sociological Research Methods [c]	4
General Education Requirement course/Elective		3
Electives		4-6
	Hours	**14-16**
Spring Semester		
SOC 385	Introduction to Sociological Theory [d]	3
SOC 2xx Elective		3
SOC 4xx Elective		3
Electives		6
	Hours	**15**
Fourth Year		
Fall Semester		
SOC 4xx Elective [e]		3
Electives [e]		12
	Hours	**15**
Spring Semester		
SOC 490	Igniting Sociological Futures: Senior Capstone Experience [f]	4
Electives		11-12
	Hours	**15-16**
	Total Hours	**120**

a *SOC 201 (with a grade of C or better) satisfies the Quantitative Reasoning requirement. Must first satisfy the math prerequisite.*
b *It is strongly recommended to take SOC 290 as soon as the major is declared.*
c *Must take SOC 201 before SOC 300.*
d *SOC 385 meets both the theory requirement and the Writing-in-the-Discipline requirement. May also be available in the fall semester.*
e *Students are encouraged to complete a research or internship experience.*
f *Students must take SOC 300 and SOC 385 before SOC 490. It is strongly recommended to take SOC 290 before SOC 490. SOC 490 should be taken in student's last year.*

BA with a Major in Sociology, Concentration in Data and Analytics

The Department of Sociology offers programs leading to the Bachelor of Arts with a Major in Sociology. Students may follow a general sociology curriculum or concentrate their studies in: 1) Data and Analytics; 2) Health and Medicine; 3) Professions, Organizations, and Work; or 4) Sociology for Social Work. A minor in Sociology is also offered.

Degree Requirements

To earn a Bachelor of Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Sociology degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		35
General Education and Electives to reach minimum Total Hours		85
Total Hours		**120**

a *SOC 201 (with a grade of C or better) satisfies the Quantitative Reasoning requirement. Must first satisfy the math prerequisite.*
b *It is strongly recommended to take SOC 290 as soon as the major is declared.*
c *Must take SOC 201 before SOC 300.*
d *SOC 385 meets both the theory requirement and the Writing-in-the-Discipline requirement. May also be available in the fall semester.*
e *Students are encouraged to complete a research or internship experience.*
f *Students must take SOC 300 and SOC 385 before SOC 490. It is strongly recommended to take SOC 290 before SOC 490. SOC 490 should be taken in student's last year.*

BA with a Major in Sociology, Concentration in Health and Medicine

The Department of Sociology offers programs leading to the Bachelor of Arts with a Major in Sociology. Students may follow a general sociology curriculum or concentrate their studies in: 1) Data and Analytics; 2) Health and Medicine; 3) Professions, Organizations, and Work; or 4) Sociology for Social Work. A minor in Sociology is also offered.

Degree Requirements

To earn a Bachelor of Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Sociology degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		35
General Education and Electives to reach minimum Total Hours		85
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
Select one of the following:		3
SOC 100	Introduction to Sociology [a,b]	
SOC 105	Social Problems [a,b]	
SOC 201	Introductory Sociological Statistics [c]	4
SOC 290	Sociology Major Orientation and Success	2
SOC 300	Introduction to Sociological Research Methods	4
SOC 385	Introduction to Sociological Theory [d]	3
SOC 490	Igniting Sociological Futures: Senior Capstone Experience [e]	4
Concentration Requirements [f]		
Complete two additional SOC courses (6 hours)		6
Select 3 of the following courses:		9
SOC 251	Health and Medicine	
SOC 298	Internship in Sociological Applications [fg]	
SOC 409	Senior Research Practicum [fg]	
SOC 426	Topics in Race, Ethnicity, and Gender	
SOC 440	Topics in Organizations and Institutions	
SOC 451	Medical Sociology	
SOC 455	Topics in Medical Sociology	
SOC 471	Population	
SOC 496	Independent Study or Research [fg]	
Total Hours		**35**

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 *SOC 201 also fulfills the LAS Quantitative Reasoning requirement*
d *SOC 385 fulfills the Writing-in-the-Discipline requirement.*
e *SOC 490 is a senior capstone experience. It should be taken during the last semester of enrollment.*
f *The 15 hours required for the concentration must be at the 200 level or above, with at least 6 of those hours at the 400 level. Independent study courses (SOC 296, SOC 298, SOC 496, SOC 499) can be taken for up to 8 hours of credit, but only 3 hours of SOC 296 and SOC 298 and 3 hours of SOC 409, SOC 496, and SOC 499 can count toward the required elective credit at the 200 and 400 level respectively.*
g *Students may use SOC 298, SOC 409, SOC 426, SOC 440, and/or SOC 496 toward a concentration if the Director of Undergraduate Studies (DUS) deems the content, project, experience, etc. topically relevant. DUS approval is required.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language		4
SOC 100 or SOC 105	Introduction to Sociology or Social Problems	3
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
SOC 2xx Elective		3
Foreign Language		4
General Education Requirement course		3

f *The 15 hours required for the concentration must be at the 200 level or above, with at least 6 of those hours at the 400 level. Independent study courses (SOC 296, SOC 298, SOC 496, SOC 499) can be taken for up to 8 hours of credit, but only 3 hours of SOC 296 and SOC 298 and 3 hours of SOC 409, SOC 496, and SOC 499 can count toward the required elective credit at the 200 and 400 level respectively.*

g *Students may use SOC 298, SOC 409, SOC 426, SOC 440, and/or SOC 496 toward a concentration if the Director of Undergraduate Studies (DUS) deems the content, project, experience, etc. topically relevant. DUS approval is required.*

Recommended Plan of Study

Course	Title	Hours
First Year		
Fall Semester		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Foreign Language		4
General Education Requirement course		3-5
General Education Requirement course		3
	Hours	**13-15**
Spring Semester		
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language		4
SOC 100 or SOC 105	Introduction to Sociology or Social Problems	3
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**16-18**
Second Year		
Fall Semester		
SOC 2xx Elective		3
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3-5
	Hours	**13-15**
Spring Semester		
SOC 201	Introductory Sociological Statistics [a]	4
SOC 290	Sociology Major Orientation and Success [b]	2
Foreign Language		4
General Education Requirement course		3
General Education Requirement course		3
	Hours	**16**
Third Year		
Fall Semester		
Concentration course		3
SOC 300	Introduction to Sociological Research Methods [c]	4
General Education Requirement course/Elective		3
Electives		4-6
	Hours	**14-16**
Spring Semester		
SOC 385	Introduction to Sociological Theory [d]	3
Concentration course		3
Concentration course		3
Electives		6
	Hours	**15**
Fourth Year		
Fall Semester		
Concentration course [e]		3
Electives [e]		12
	Hours	**15**
Spring Semester		
SOC 490	Igniting Sociological Futures: Senior Capstone Experience [f]	4
Electives		11-12
	Hours	**15-16**
	Total Hours	**120**

a *SOC 201 (with a grade of C or better) satisfies the Quantitative Reasoning requirement. Must first satisfy the math prerequisite.*

b *It is strongly recommended to take SOC 290 as soon as the major is declared.*

c *Must take SOC 201 before SOC 300.*

d *SOC 385 meets both the theory requirement and the Writing-in-the-Discipline requirement. May also be available in the fall semester.*

e *Students are encouraged to complete a research or internship experience.*

f *Students must take SOC 300 and SOC 385 before SOC 490. It is strongly recommended to take SOC 290 before SOC 490. SOC 490 should be taken in student's last year.*

BA with a Major in Sociology, Concentration in Sociology for Social Work

The Department of Sociology offers programs leading to the Bachelor of Arts with a Major in Sociology. Students may follow a general sociology curriculum or concentrate their studies in: 1) Data and Analytics; 2) Health and Medicine; 3) Professions, Organizations, and Work; or 4) Sociology for Social Work. A minor in Sociology is also offered.

Degree Requirements

To earn a Bachelor of Liberal Arts and Sciences degree from UIC, students must complete university, college, and department degree requirements. The Department of Sociology degree requirements are outlined below. Students should consult the College of Liberal Arts and Sciences (p. 297) section for additional degree requirements and college academic policies.

Code	Title	Hours
Summary of Requirements		
Major Requirements		35
General Education and Electives to reach minimum Total Hours		85
Total Hours		**120**

General Education

See General Education and Writing-in-the-Discipline in the College of Liberal Arts and Sciences (p. 297) section for information on meeting these requirements.

Major Requirements

Code	Title	Hours
Required Courses		
Select one of the following:		3
SOC 100	Introduction to Sociology [a,b]	

Minor in Sociology

Requirements for the Minor

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

Code	Title	Hours
Required Courses		
SOC 100	Introduction to Sociology	3
or SOC 105	Social Problems	
Three SOC courses at the 200 or 300 level		9
One SOC course at the 400 level		3
Total Hours		**15**

Preprofessional Studies

Contact Information:
Campus Location: Third Floor, University Hall (UH)
(312) 996–3366

Administration:
Dean, Lisa Freeman
Executive Assistant Dean, Student Academic Affairs, Brian Roessler, Third Floor, UH
Director, Pre-Professional Advising, Misty Huacuja-LaPointe, Second Floor, SES

Students who desire to pursue careers for which a professional degree is required may take the necessary course work to apply to such programs in the College of Liberal Arts and Sciences. Preprofessional advisors who specialize in pre-health and pre-law advising are able to assist students in pursuing programs in the following areas:

- Pre-Dentistry
- Pre-Law
- Pre-Medicine (M.D./D.O. and podiatric medicine)
- Pre-Nursing
- Pre-Nutrition/Registered Dietician
- Pre-Occupational Therapy
- Pre-Optometry
- Pre-Pharmacy
- Pre-Physical Therapy
- Pre-Physician Assistant
- Pre-Veterinary Medicine

Preprofessional advisors are available to meet with students during individual appointment sessions and group workshops. On-demand webinars are also available for students interested in pre-health fields. Students interested in preprofessional studies should visit the LAS Pre-Health website or the LAS Pre-Law website for information regarding webinars, upcoming workshops, and other related information. Students can also find information regarding how to schedule an appointment with a Pre-Health or Pre-Law advisor.

Preprofessional studies in Pre-Dentistry, Pre-Law, Pre-Medicine, Pre-Nutrition/Registered Dietician, Pre-Occupational Therapy, Pre-Optometry, Pre-Physical Therapy, Pre-Physician Assistant, and Pre-Veterinary Medicine require students to complete an undergraduate degree program, including a major and prerequisite coursework. In most cases, the bachelor's degree is required prior to matriculation to the professional program. If admitted, students complete a professional degree program and graduate with a post-baccalaureate professional degree.

Preprofessional studies in Pre-Nursing and the Bachelor of Science in Pharmaceutical Science require students to complete at least two years of undergraduate study prior to admission to the major in a different UIC college. In some instances, completion of a particular program may take more time than anticipated if the student needs to satisfy prerequisites, or when a student does not take courses in the proper sequence. If admitted, students complete at least two additional years of undergraduate study in the program and graduate with a bachelor's degree.

Preprofessional study in Pre-Pharmacy requires students to complete a minimum of two years of undergraduate study prior to admission to the College of Pharmacy. In most cases, three years of undergraduate study are needed to complete the prerequisite course work. A majority of the students admitted to the College of Pharmacy have completed a bachelor's degree at the time of matriculation. If admitted, students complete four additional years of study in the UIC College of Pharmacy and graduate with a Doctor of Pharmacy (PharmD) degree.

Completion of prerequisite coursework does not guarantee admission to a professional college or program. Students pursuing preprofessional studies are strongly encouraged to consult an LAS preprofessional advisor and an advisor in the professional program before submitting an application. Each professional program has specific application procedures, deadlines, and requirements, which can change from time to time and may not be reflected in this catalog. Students are responsible for obtaining the most current information.

Students pursuing preprofessional studies must plan their course of study with care. Advisors are available to assist students, however, the responsibility for selecting courses and meeting admission requirements rests with the individual student who must plan and select courses consistent with the program requirements. The information below provides the current prerequisite course information for the UIC or UIUC professional programs. LAS preprofessional advisors can assist students in applying to programs outside of UIC as well.

Pre-Dentistry, Pre-Medicine, Pre-Occupational Therapy, Pre-Physical Therapy, and Pre-Veterinary Medicine

Preprofessional Studies	Prerequisite Required Hours	Major	Bachelor's Degree Required for Admission to Professional College	Professional College[a]
Pre-Dentistry	40-41	Any	Yes	UIC College of Dentistry
Pre-Medicine	46-50	Any	Yes	UIC College of Medicine
Pre-Occupational Therapy	35-37	Any	Yes	UIC College of Applied Health Sciences

Minimum Required Coursework

Code	Title	Hours
Required Courses [a]		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 110	Biology of Cells and Organisms [b]	4
BIOS 120	Biology of Populations and Communities [b]	4
Select one of the following sequences in general chemistry:		10
CHEM 122	Matter and Energy	
CHEM 123	Foundations of Chemical Inquiry I [b,c]	
CHEM 124	Chemical Dynamics	
CHEM 125	Foundations of Chemical Inquiry II [b,c]	
OR		
CHEM 116	Honors and Majors General and Analytical Chemistry I [b]	
CHEM 118	Honors and Majors General and Analytical Chemistry II [b]	
CHEM 232	Structure and Function	3
CHEM 233	Synthesis Techniques Laboratory	2
Select one of the following biochemistry courses:		3-4
BIOS 352	Introductory Biochemistry	
OR		
BIOS 452	Biochemistry I (prerequisite of CHEM 234 - Organic Chemistry II)	
Select one of the following sequences in physics:		8
PHYS 131	Introductory Physics for Life Sciences I [b]	
PHYS 132	Introductory Physics for Life Sciences II [b]	
OR		
PHYS 141	General Physics I (Mechanics) [b]	
PHYS 142	General Physics II (Electricity and Magnetism) [b]	
Total Hours		**40-41**

a *The UIC College of Dentistry does not accept Advanced Placement (AP) courses as meeting course requirements. If basic-level biological sciences, chemistry, and physics course requirements are satisfied with AP credit, students must then take the specified number of credit hours in each area from upper-level science courses. Students are advised to take an additional English course if their ACT score allows exemption from the first English composition requirement.*

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

c *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123; CHEM 124/CHEM 125.*

The College of Dentistry requires that all prerequisite science courses (except biochemistry) include labs. **Additionally, all required prerequisite courses taken must be completed with a grade of C or better.** Furthermore, the College of Dentistry gives strong preference to applicants who have taken three to four of the following science courses beyond the above minimum: human anatomy, physiology, microbiology, cell biology, histology, immunology, or genetics.

In addition to the coursework listed above, applicants to the College of Dentistry must also take the Dental Admission Test (DAT). The DAT is offered through the American Dental Association (ADA). For more information on the DAT, please see the ADA website. Applicants to the College of Dentistry must apply through a centralized application service sponsored by the American Dental Education Association (ADEA). More information on the Associated American Dental Schools Application Service (AADSAS) is available online.

Students may obtain information regarding the DAT and AADSAS by attending workshops sponsored by LAS Pre-Health Advising. Students are advised to declare a pre-health educational goal upon entering UIC which will alert them to specific workshops and opportunities and as well as add them to a UIC Pre-Health Advising Blackboard page where they will receive other pertinent information.

Students are strongly encouraged to select an undergraduate major and begin fulfilling their degree requirements as they complete their pre-dentistry prerequisites. No specific major is required. To obtain a degree in the College of Liberal Arts and Sciences, pre-dentistry students must satisfy all degree requirements of the college, including a major program.

In addition to the academic requirements, pre-dental students at UIC are strongly encouraged to become active members of the UIC Pre-Dental Club, obtain research experience, and preprofessional experiences in dental practices which may include but are not limited to shadowing a private practitioner, working as a dental assistant, working as a dental lab technician, observing in a public health dental clinic, etc. The UIC College of Dentistry recommends at least 100 hours of shadowing experience by the time of application.

The pre-dentistry information described above includes the minimum courses for application to the UIC College of Dentistry. Specific admission requirements of other dental schools are listed in The Official Guide to Dental Schools, which is published by the American Dental Education Association, 655 K. Street, N.W., Suite 800, Washington, D.C. 20001. Information on dental schools is also available through the Online ADEA Dental School Explorer.

Pre-Medicine

Pre-medicine students may choose any major, but should work with a pre-health advisor to plan a course of study that fulfills prerequisite requirements as well as the requirements for the major and college. Students who want to apply for admission to the University of Illinois College of Medicine must complete a bachelor's degree by the time of matriculation.

Required Coursework

The table below lists the minimum coursework required to apply for admission to the University of Illinois College of Medicine :

Code	Title	Hours
Required Courses [a]		
BIOS 110	Biology of Cells and Organisms [b]	4
BIOS 120	Biology of Populations and Communities [b]	4
Select one of the following general chemistry sequences:		10

Many occupational therapists work within hospital settings, but there is growing emphasis on prevention and treatment of people with disabilities in nonclinical settings. As a result, many new areas of employment are now available. For example, occupational therapists are increasingly employed in school systems where they work with children with disabilities, enhancing their ability to perform as students. Working with in-home health organizations, occupational therapists help individuals and families function more adequately at daily tasks. In industrial settings, they aid workers' with disabilities or injuries return to gainful employment. In addition, occupational therapists have developed private practices.

The preprofessional coursework listed below prepares students to apply to the professional program in the Department of Occupational Therapy in the College of Applied Health Sciences after completion of the undergraduate degree. Students should contact OTDept@uic.edu or (312) 996-3051 for further information.

Pre-occupational therapy students may choose any major but should work with an advisor to plan a course of study that fulfills pre-occupational therapy studies requirements as well as the requirements for the major.

Preprofessional Coursework

The pre-occupational therapy requirements follow and should be completed as part of the undergraduate degree program. The courses listed below must be completed with a grade of C or better.

Code	Title	Hours
Required Courses [a]		
BIOS 110	Biology of Cells and Organisms [b]	4
KN 230	Anatomy and Physiology Lecture I [c]	3
KN 231	Anatomy and Physiology Lecture II [c]	3
KN 232	Anatomy and Physiology Laboratory I [c]	2
KN 233	Anatomy and Physiology Laboratory II [c]	2
PSCH 100	Introduction to Psychology [d]	4
PSCH 242	Introduction to Research in Psychology	3
PSCH 270	Introduction to Psychological and Behavioral Disorders [c,d]	3
PSCH 320	Developmental Psychology [c]	3
Choose from one of the following courses in statistics:		3-4
PSCH 343	Statistical Methods in Behavioral Science (for Psychology majors only)	
KN 200	Statistical Methods	
STAT 101	Introduction to Statistics	
STAT 130	Introduction to Statistics for the Life Sciences	
SOC 201	Introductory Sociological Statistics (for Sociology majors only)	
Introduction to sociology or anthropology		3
Medical terminology course (recommended) [e]		
CL 201	Medical Terminologies: Ancient Roots in Modern Medicine	
or BHIS 406	Medical Terminology for Health Information Management	
Total Hours		**33-34**

a *Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the* General Education *(p. 83) section and their college/department sections of the catalog for more information on fulfilling these requirements.*

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

c *It is recommended that these courses must be taken within three years of admission to the program. If a student took these courses more than three years ago, the student should complete a self-study before beginning the program. For prerequisite courses completed more eight years ago, retaking the course or intensive self-study prior to enrollment is recommended.*

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

e *Although not required, it is recommended that students complete a medical terminology course. Alternatively, students are expected to complete a self-study computerized course in medical terminology upon acceptance.*

Other minimum admissions requirements can be found on the program website. Applicants with a GPA of below 3.00/4.00 who display strengths in other areas may be considered for admission. Students must apply for admission to the program approximately one year before planned enrollment.

Pre-Physical Therapy

Physical therapy is a health profession whose primary purpose is the promotion of optimal human health and function through the application of scientific principles to prevent, identify, assess, correct, or alleviate acute or prolonged movement dysfunction. Physical therapy encompasses areas of specialized competence and includes the development of new principles and applications to more effectively meet existing and emerging health needs. Other professional activities that serve the purpose of physical therapy are research, education, consultation, and administration.

The physical therapist, working in cooperation with other health professionals, serves the individual needs of the client and the health needs of society. The physical therapy profession depends heavily on knowledge and application of the basic medical and behavioral sciences, coupled with specialized knowledge and skills in the clinical arts and sciences.

Physical therapists may work as staff, supervisors, or self-employed practitioners who serve clients directly; as administrators of clinical departments, health agencies, or educational programs; as healthcare agency consultants; as clinical or academic teachers; or as researchers. They may work in hospitals, clinics, rehabilitation centers, schools for children with disabilities, neighborhood health centers, physicians' offices, nursing homes and convalescent centers, private and public health agencies, sports settings, and universities.

Pre-physical therapy students may choose any major but should work with pre-health and major advisors to plan a course of study that fulfills the pre-physical therapy studies requirements as well as the requirements for the major. Students are advised to declare an educational goal of pre-physical therapy upon entering UIC which will alert them to specific workshops and other pertinent information.

The pre-physical therapy requirements follow and should be completed as part of the undergraduate degree program. All prerequisite courses must be completed with a grade of C or better. Students must have completed a minimum of seven math/science prerequisite courses at

BIOS 352	Introductory Biochemistry	3-4
or CHEM 452	Biochemistry I	
Select one of the following general physics sequences:		8
PHYS 131 & PHYS 132	Introductory Physics for Life Sciences I and Introductory Physics for Life Sciences II [b]	
OR		
PHYS 141 & PHYS 142	General Physics I (Mechanics) and General Physics II (Electricity and Magnetism) [b]	
Total Hours		**37-38**

a *Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the* General Education *(p. 83) section and their college/department sections of the catalog for more information on fulfilling these requirements.*

b *These courses are approved for the Analyzing the Natural World General Education category.*

c *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements: CHEM 122/CHEM 123; CHEM 124/CHEM 125.*

Applicants are also encouraged to obtain work experience in the field of veterinary medicine.

The minimum science and cumulative GPA for admission to the UIUC College of Veterinary Medicine is 3.00/4.00. The competitive average, however, is considerably above this level at the present time. The GRE is now optional for admission to the UIUC College of Veterinary Medicine but may be required for other veterinary medical schools.

Applicants to the UIUC College of Veterinary Medicine must apply through the Veterinary Medical College Application Service (VMCAS). VMCAS opens in May; the UIUC College of Veterinary Medicine deadline is September 15. Students are advised to declare an educational goal of pre-veterinary medicine upon entering UIC which will alert them to specific workshops, webinars, and other pertinent information.

The list of courses above includes the recommended courses for application to the UIUC College of Veterinary Medicine. Specific admission requirements of other veterinary medical schools are listed in the Veterinary School Directory on the Association of American Veterinary Medical Colleges website. An overview of the veterinary admission process is also available on the Association of American Veterinary Medical Colleges website.

Although the minimum requirement for application to the College of Veterinary Medicine at the University of Illinois Urbana-Champaign through "Plan B" is two years of college credit, few students are admitted at that point. Most students complete at least three years prior to application and earn a bachelor's degree before matriculating.

Pre-Nursing

The goal of the baccalaureate nursing program is to prepare nurses to function in a variety of settings: hospitals, clinics, rehabilitation centers, convalescent centers, military installations, and public health institutions, such as health departments and home healthcare agencies. Graduates assess the degree of health or illness of individuals, plan, implement, evaluate, and supervise nursing care. Graduates of this program have collegial and independent relationships with other members of the healthcare team.

Prerequisite Coursework

The prerequisite coursework listed below prepares the student to apply to the Bachelor of Science in Nursing (BSN) program in the UIC College of Nursing. Completion of the pre-nursing curriculum does not guarantee admission to the College of Nursing. All prerequisite course work must be completed with a grade of C or higher.

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 350	General Microbiology (or equivalent Comprehensive General Microbiology as determined by the College of Nursing) [a]	3
CHEM 115	Comprehensive General and Organic Chemistry [b,c]	5
KN 230	Anatomy and Physiology Lecture I [a]	3
KN 231	Anatomy and Physiology Lecture II	3
KN 232	Anatomy and Physiology Laboratory I	2
KN 233	Anatomy and Physiology Laboratory II	2
NUEL 250	Human Development Across the Life Span	3
or PSCH 320	Developmental Psychology	
HN 196	Nutrition [b]	3
STAT 101	Introduction to Statistics [d]	4
or STAT 130	Introduction to Statistics for the Life Sciences	
Exploring World Cultures course [e]		3
Understanding the Creative Arts course [e]		3
Understanding the Individual and Society course [e,f]		3
Understanding the Past course [e]		3
Understanding U.S. Society course [e,f]		3
One 3-semester-hour, 200-level, upper-division course in the arts and sciences [g]		3
LAS Electives (hours may vary)		5
Total Hours		**57**

a *BIOS 110 is a prerequisite for this course. Students who plan to complete the microbiology requirement at UIC will need to complete CHEM 130 and BIOS 110 as prerequisites for BIOS 350 until an alternate UIC Comprehensive General Microbiology course becomes available.*

b *CHEM 115 is approved for the Analyzing the Natural World (with lab) General Education ca HN 196 is approved for the Analyzing the Natural World (no lab) General Education category.*

c *CHEM 115, CHEM 116, CHEM 122/CHEM 123 or equivalents as determined by College of Nursing are acceptable. Students may need to take additional LAS electives if fewer than 5 hours are earned in general chemistry*

b *Students completing a bachelor's degree at UIC must fulfill all the requirements of an undergraduate degree program, including General Education requirements. Students should consult their college and department sections of the catalog for information on completing their degree programs, including General Education requirements, as well as the* General Education *(p. 83) section of the catalog for a list of approved General Education courses in each category.*
c *These courses are approved for the Understanding the Individual and Society General Education category.*
d *These courses are approved for the Analyzing the Natural World General Education category.*
e *Each of the following pairs of courses will be considered one course in meeting the LAS General Education requirements; CHEM 122/CHEM 123; CHEM 124/CHEM 125.*
f *Students completing an undergraduate degree at UIC should meet with their academic advisor to select courses in the social or behavioral sciences and humanities that are approved for Exploring World Cultures, Understanding the Creative Arts, Understanding the Past, and Understanding U.S. Society General Education categories.*

Students apply for admission to the College of Pharmacy through the centralized application service (PharmCAS) sponsored by the American Association of Colleges of Pharmacy. Students should apply for admission approximately one year before enrollment.

The minimum GPAs (cumulative, science/math, pre-pharmacy requirement/prerequisite) for application to the program in pharmacy are 2.50/4.00. A minimum grade of C must be earned in each pre-pharmacy course. Please note that C minus (C-) grades received at other academic institutions will meet the minimum grade requirement.

The College of Pharmacy accepts applications for the fall semester admission only. PharmCAS applications are available starting in mid-July. The College of Pharmacy reviews applications on an ongoing basis beginning shortly after PharmCAS applications are made available. A UIC College of Pharmacy supplemental application is also required.

Additional information regarding the admission/application process can be found on the College of Pharmacy website.

Pre-Law

The goal of pre-law preparation at UIC is to give students the skills and information necessary to be able to enter an accredited law school after graduation. Law schools require a bachelor's degree prior to matriculation. Pre-law students must choose an undergraduate major and complete all requirements for that particular degree as there is no specific course work required to apply to law school. The American Bar Association does stress that there are important skills, values, knowledge, and experience which students can acquire prior to law school and that will provide a sound foundation for a legal education. These include problem-solving skills, critical-reading abilities, writing and editing skills, oral communication and listening skills, general research skills, organization and management skills, public service and promotion of justice, relationship-building and collaboration, background knowledge, and exposure to the law. More information on these skills and values may be found online in the American Bar Association Pre-Law section. Students who wish to prepare adequately for a legal education and for a career in law or for other professional services that involve the use of lawyering skills should seek educational, extracurricular, and life experiences that will assist them in developing those attributes.

The pre-law advisor is available to meet with interested UIC students from any college during individual advising sessions. Students are encouraged to meet with the pre-law advisor to discuss all aspects of the law school application process from LSAT preparation and letters of recommendation, to the personal statement and choosing the right schools. In addition to individual advising appointments, the pre-law advisor presents various workshops, information sessions, and experiential opportunities throughout the academic year. Each semester, a pre-law orientation session is presented, designed primarily for freshmen and students new to pre-law. Other on-campus sessions typically offered include: area law school information sessions, LSAT prep workshop, personal statement workshop, mock law school class experience, financing law school workshop, alumni in the law panel, and a professionalism workshop. Off-campus experiences such as organized visits to Chicago area courthouses are also planned each semester.

Interested students should also be sure to take some time to look over the Law School Admissions Council's website and the UIC pre-law website. In addition, prior to taking the LSAT, most law school admissions counselors and pre-law advisors recommend completing at least an introductory course in logic, such as UIC's PHIL 102, as the exam is heavily logic based.

Guaranteed Professional Program in Law

UIC has Guaranteed Professional Program Admissions (GPPA) arrangements with UIC School of Law for entering freshmen. More information on GPPA is available in the Admissions (p. 37) section of the catalog or the GPPA website.

Pre-Nutrition

The Department of Kinesiology and Nutrition offers a Bachelor of Science in Nutrition. The prerequisite course work listed below prepares the student to apply for the Nutrition program offered in the College of Applied Health Sciences. Completion of the Pre-Nutrition course work does not guarantee admission to the College of Applied Health Sciences or to Nutrition Science program. Students admitted to the Nutrition Science program complete the final two years of course work within the College of Applied Health Sciences.

Please see the Department of Kinesiology and Nutrition section of the catalog for more information or visit the department website.

Prerequisite Coursework

59 semester hours, exclusive of basic military science, distributed as follows:

Note: Students who do not place into certain courses or do not carefully plan sequential course work should expect to take summer session courses or take longer than two years to complete pre-nutrition course work. All prerequisite courses must be completed with a grade of C or higher.

Code	Title	Hours
Required Courses		
HN 100	Introduction to Nutrition: New Student Seminar	2
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3

3. Dual Admission between contracted ADN degree programs and UIC College of Nursing.
4. Guaranteed Professional Program Admissions (GPPA) student. Information on the application process and deadlines can be found on the GPPA website;

Applications to the RN/BSN program are accepted year-round; information on the application process and deadlines can be found on the College of Nursing website.

Applications to Dual Admission are specific to certain contractual partnerships with a variety of community colleges. Information on the application process and deadlines can be found on the UIC Extended Campus website.

First-Year Admission

Students seeking admission to the College of Nursing who are recent high school graduates or who have earned less than 24 semester hours (36 quarter hours) of credit at another collegiate institution are classified as new freshmen. A holistic approach is used when reviewing each application because selecting students requires a careful and individualized review of each applicants' credentials. Consideration is given to high school GPA and
the strength of the high school schedule and personal statements. Letters of recommendation, extracurricular activities, or any other supporting documents are also strongly considered in the review process.

There is no minimum to apply; however, the most successful candidates will have an ACT composite score of 28 (optional) or SAT score of 1310 or higher (optional) and an unweighted high GPA of 3.5 or above.

Transfer Admission Requirements

Students applying to the BSN program must meet the following minimum requirements:

1. 2.75/4.00 cumulative transfer grade point average at application deadline
2. 2.50/4.00 natural science grade point average at application deadline
3. Completion of all pre-nursing course work (see *Course Requirements—Pre-Nursing Studies*) with a grade of C or higher prior to enrollment. Applicants must have **all BSN prerequisite** courses, with the exception of the Upper Division Elective prerequisite, completed by the start of the program. The four natural science courses (human anatomy and physiology I and II, microbiology, and general chemistry) must be completed by the start of the program and must have been completed within seven years of enrollment.

Pre-nursing course work can be completed at UIC or at another college or university. Applicants can view information about course equivalencies and how courses transfer to UIC and the College of Nursing through Transferology. See the Office of Admission Transfer Guide for more information about transfer admission requirements.

In addition, all students will be required to have a background check and drug test upon admission. If the results of either requirement indicate that a student would not be eligible for placement at the college's practicum agencies, the student's admission will be rescinded.

RN to BSN Program Admissions

Students applying to the RN to BSN program must meet the following minimum requirements:

1. A 2.50/4.00 cumulative transfer grade point average.
2. Current U.S. RN license. Students who apply for admission directly from an ADN or nursing diploma program must take the NCLEX after graduation and present the RN license to the college by the end of the first semester. Failure to pass the NCLEX-RN examination and/or present a current U.S. RN license will result in the student not being able to progress beyond the first semester of the program, until passing scores are provided.
3. Transcripts from all previous colleges/universities attended.

Students who have graduated from a state-approved associate degree in nursing (ADN) program and who hold a current license as registered professional nurse will receive 33 semester hours of proficiency credit. The credit will be awarded upon successful completion of 8 nursing semester hours in the RN to BSN program.

Dual Admission (DA) ADN + BSN Pathway Program

Students applying to the DA ADN + BSN program must meet the following minimum requirements:

1. Enrollment at a community college specified and contracted for DA ADN + BSN
2. Enrollment in pre-nursing or nursing degree as defined by the contract with the community college
3. A minimum 2.50/4.00 cumulative transfer GPA
4. Completion of a UIC College of Nursing RN to BSN program application

Students enrolled in the DA ADN + BSN program must meet the following minimum requirements in order to graduate:

1. Graduation from a state-approved associate degree in nursing (ADN) program which has contracted with UIC for DA ADN + BSN
2. An active U.S. registered nurse license
3. Completion of 57 semester hours of non-nursing courses, including UIC general education course requirements with a grade of C or higher
4. Completion of 33 UIC nursing proficiency credits
5. Completion of 30 hours in the UIC College of Nursing BSN Completion Degree with grade of C or higher
6. Compliance with UIC and UIC College of Nursing undergraduate student graduation requirements as indicated in university catalogs and student handbooks

Upon graduation from the contracted associate degree program, dual admission in both institutions ends and the students remains a UIC College of Nursing student only. However, the student must take the NCLEX-RN licensure examination as a graduate of the community college ADN degree program and present proof of exam passage and RN license to UIC College of Nursing by the end of the first semester of BSN-level-only courses. Failure to pass the NCLEX-RN examination and/or present a current U.S. RN license will result in the student not being able to progress beyond the first semester of the BSN completion program until passing scores and U.S. RN licensure are provided.

Students who have graduated from a state-approved associate degree in nursing (ADN) program contracted with UIC for DA ADN + BSN and who hold a current license as a registered professional nurse will receive 33 semester hours of proficiency credit. The credit will be awarded upon

any course), they will receive a letter of warning from the Undergraduate Admissions and Academic Standards Committee, be placed on academic notice, and required to repeat the course.

A student who receives two (a second) grades below the standard (D or less, or U) will be subject to dismissal pending formal review by the UIC Nursing Undergraduate Admissions and Academic Standards Committee.

If a student's cumulative GPA falls below 2.00, the student is automatically placed on academic notice status by UIC Nursing.

A student currently on academic notice will remain on notice when:

- The student meets the grade point average required by the conditions of his or her notice but does not raise the cumulative UIC grade point average to at least 2.00; or
- The student meets the grade point average required by the conditions of his or her notice but does not raise the combined average of the student's transfer and UIC coursework to at least 2.00.

The Undergraduate Admissions and Academic Standards Committee determines the conditions of the academic notice. In addition to specifying the grade point average, the committee may require the completion of specific courses, may limit the number of hours for which the student registers, and may exclude the student from taking certain courses while on academic notice.

Dismissal Rules

A student on academic notice for GPA will be dismissed in any term in which:

- The student fails to meet the grade point average required by the academic notice and in which the cumulative grade point average in courses taken at UIC is less than 2.00/4.00.
- The student fails to meet the grade point average required by the academic notice and in which the combined transfer and UIC grade point average is less than 2.00.

A student who fails to make progress toward a degree may be dismissed. Examples include failure to complete required courses, accumulation of an excessive number of incomplete grades, failure to earn credit in 2 or more semesters.

Change of Course Schedule—Dropping Courses

Undergraduate students may drop courses using my.UIC.edu through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program.

College of Nursing students who wish to make changes to their registration must first meet with their academic advisor.

Attendance

Attendance at all classroom sessions and discussion groups is expected; missing classroom sessions and discussion groups can have an impact on the student's learning and course grade. Students are expected to prepare for each classroom session by completing the required readings and other assignments.

Clinical/Lab Attendance

Attendance at all clinical practicum and lab sessions per course is required. Students are expected to prepare for each clinical practicum or lab session by completing the required readings and other preparatory assignments. If a student anticipates having to miss clinical practicum or lab hours for any reason, the student must communicate this as soon as possible to the clinical practicum/lab instructor and to the Course Coordinator. Instructor and Coordinator will follow UIC Nursing policy to determine if the absence is excused (approved religious holiday; unscheduled acute illness of student; death in family; any unforeseen, untimely crisis, which could not have been avoided) or unexcused. Students are required to provide evidence or documentation of an excused absence, as soon after the absence as possible, and no later than the next scheduled clinical practicum or lab session. Absences, whether excused or unexcused, will have an impact on student's success in the course, up to and including failure of the course. Opportunities for making up missed clinical days or laboratory sessions are not available.

Students must attend all clinical practicum orientations for their assigned agency. Students who are not present for clinical practicum orientation, whether their absence is excused or unexcused, might not be allowed to continue in the course.

Petition Procedure

Students may petition the college's Associate Dean for Academic Affairs for exceptions to certain college regulations but should do so only after consulting with their advisor, whose recommendations must appear on the petition. Petition forms are available online or from the Office of Academic Engagement and Student Success. Petition forms must be submitted to the Office of Academic Engagement and Student Success and accompanied by a full explanation of the circumstances and any appropriate supporting documents. Petitions should be filed within thirty (30) days of the time an individual knows, or reasonably should have known, that an occurrence has affected his or her status. Petitions can take 4–6 weeks to be reviewed and a decision made.

Registration Approval

The College of Nursing has a mandatory advising policy. Before registering for courses each semester, students must meet with their advisor to discuss their degree plan and for required registration permits to be issued.

Repeat Policy for Standard Graded Courses

If a student does not receive a C grade or higher in a nursing course, the student is required to repeat the course. A student may repeat a nursing course or its equivalent only once. If a grade of C or higher is not earned at the end of the second registration in a nursing course or its equivalent, the student will be dismissed from the college.

A nonclinical nursing course in which a grade below C is received must be repeated the first term the course is offered again.

The original grade for the course and the grade for each repeat will appear on the transcript. The original grade and the grade for each

Academic Honors

College Honors

At commencement, students are awarded College Honors for academic distinction. College Honors shall be awarded to the top 15% of students based on their nursing grade point average. Students will be awarded an Honor Cord. Graduation with College Honors benefits students when they are being considered for job placement, graduate school, and other competitive opportunities.

Sigma Theta Tau

The College of Nursing has the Alpha Lambda chapter of Sigma Theta Tau, the International Honor Society in Nursing. The purposes of the society are to recognize achievement of superior scholarship and the development of leadership qualities, foster high professional standards, encourage creative work, and strengthen the commitment by individuals to the ideals and purposes of the profession of nursing. Seniors and graduate students are eligible for membership.

Degree Programs

- BS in Nursing (p. 439)
- RN/BSN Completion Program (p. 440)

BS in Nursing

Program Codes:
20FW1498BSN (Chicago), 20FW1498BSN4 (Springfield), 20FW1498BSN1 (Urbana)

Degree Requirements

Code	Title	Hours
Summary of Requirements		
Pre-Nursing Studies		57
Course Requirements in the College of Nursing		63
Total Hours		**120**

Course Requirements—Pre-Nursing Studies

Code	Title	Hours
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
BIOS 350	General Microbiology [a]	3
CHEM 115	Comprehensive General and Organic Chemistry [b,c]	5
KN 230	Anatomy and Physiology Lecture I	3
KN 231	Anatomy and Physiology Lecture II	3
KN 232	Anatomy and Physiology Laboratory I	2
KN 233	Anatomy and Physiology Laboratory II	2
NUEL 250	Human Development Across the Life Span	3
HN 196	Nutrition	3
STAT 101	Introduction to Statistics	4
or STAT 130	Introduction to Statistics for the Life Sciences	
Exploring World Cultures course		3
Understanding the Creative Arts course		3
Understanding the Individual and Society course		3
Understanding the Past course		3
Understanding U.S. Society course		3
One 3-semester-hour, 200-level or above course in the arts and sciences		3
LAS Electives (hours vary)		0-5
Total Hours		**57**

a *Students completing the microbiology requirement at UIC will need to complete CHEM 130 and BIOS 110 as prerequisites for BIOS 350 until an alternate UIC Comprehensive General Microbiology course becomes available.*

b *CHEM 115 is approved for the Analyzing the Natural World (with lab) General Education category, and HN 196 is approved for the Analyzing the Natural World (no lab) General Education category.*

c *CHEM 115, CHEM 116, CHEM 122/CHEM 123 or equivalents as determined by College of Nursing are acceptable. Students may need to take additional LAS electives if fewer than 5 hours are earned in General Chemistry.*

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

e *For the Understanding the Individual and Society requirement, PSCH 100 is recommended; for the Understanding U.S. Society requirement, SOC 100 is recommended.*

f *Upper Division Elective: Students may choose a course from one of these categories: physical sciences, life sciences, mathematical sciences, social sciences, fine arts, performing arts, or humanities. Must be 200-level or above; may be completed at either a community college or a four-year college or university. Though the requirement may be completed after entry to the program, it is very highly recommended that students complete an upper division elective with other prerequisite courses prior to enrollment.*

g *Students may need to use electives to take an additional course(s) approved for General Education to meet the university requirement of 24 hours distributed across the six categories.*

Course Requirements in the College of Nursing: BSN

Code	Title	Hours
Required Courses		
NURS 409	Health Assessment and Communications	5
NURS 411	Foundations of Nursing Practice	7
NURS 419	Pathophysiology and Pharmacology 1	4
NURS 420	Patho-Pharm 2	3
NURS 423	Adult Health Nursing 1	7
NURS 428	Readiness for Nursing Practice	2
NURS 433	Adult Health Nursing 2	6
NURS 438	Introduction to Evidence-Based Practice	3
NURS 443	Nursing Care of Women and Childbearing Families	4
NURS 448	Leadership in Professional Nursing Practice	6
NURS 453	Pediatric Health Nursing	4
NURS 458	Transition to Professional Nursing Practice	4

Course Requirements in the College of Nursing: RN to BSN and Dual A ADN + BSN

Code	Title	Hours
Required Courses		
NURS 212	Health Assessment and Communication	3
NURS 232	Concepts in Professional Nursing (Concepts in Professional Nursing)	3
NURS 312	Nursing Research and Statistics Methods for EBP (Nursing Research and Statistical Methods for Evidence-Based Practice)	3
NURS 316	Nursing Informatics	3
NURS 332	Caring Theory in Professional Nursing Practice	3
NURS 352	Population Focused Nursing Care	3
NURS 362	Nursing Health Promotion	3
NURS 372	Leadership and Management in Nursing	3
NURS 382	Nursing Role in Healthcare Quality and Safety	3
NURS 397	Issues in Nursing Practice	3
Total Hours		**30**

Sample Curriculum: RN to BSN

Note: RN to BSN Courses are eight weeks in length.

Code	Title	Hours
Courses		
NURS 212	Health Assessment and Communication	3
NURS 232	Concepts in Professional Nursing	3
NURS 312	Nursing Research and Statistics Methods for EBP	3
NURS 316	Nursing Informatics	3
NURS 332	Caring Theory in Professional Nursing Practice	3
NURS 352	Population Focused Nursing Care	3
NURS 362	Nursing Health Promotion	3
NURS 372	Leadership and Management in Nursing	3
NURS 382	Nursing Role in Healthcare Quality and Safety	3
NURS 397	Issues in Nursing Practice	3
Total Hours		**30**

Sample Curriculum: DA ADN + BSN

Progression of courses varies with specific community college partnership, but generally follows a pattern of:

- Months 1 to 12: Non-nursing, general education courses
- Months 13 to 36: ADN nursing courses, remaining non-nursing courses, 1 to 3 BSN courses
- Months 37 to 48: Remaining BSN completion courses

Months above are approximations.

Enrollment Residence Requirement

Per the UIC Enrollment Residence Requirement Policy, the College of Nursing affirms that for students enrolled in the RN to BSN Completion Program concurrent attendance at the University of Illinois Chicago and another collegiate institution, or enrollment at another institution, does not interrupt the UIC enrollment residence requirement for graduation.

College of Pharmacy

Contact Information:
College of Pharmacy
Student Services Center
833 S Wood St., Room 172 (MC 874)
Chicago, IL 60612-7230
(312) 996-7242
https://pharmacy.uic.edu/programs/bsps-program

Administration:
Assistant Dean of Undergraduate Education: Charles E. McPherson, III

Introduction

The Bachelor of Science in Pharmaceutical Sciences (BSPS) offers two pathways, the BSPS and the BSPS/PharmD, that afford graduates a great degree of flexibility. All students, regardless of their pathway will be admitted to the BSPS program in their third undergraduate year or upon meeting all the requirements. Of the students who are admitted to the BSPS program, some will also seek admission to the PharmD program. Admission to the BSPS program does not guarantee admission into the PharmD program. BSPS students admitted to the PharmD program will be considered professional students for the fourth year of their BSPS program. BSPS graduates are prepared for careers in the pharmaceutical industry, pharmaceutical research, pharmaceutical administration, and pharmaceutical sales, biotechnology, drug manufacturing, regulatory affairs, and many other related fields. It also situates the graduate perfectly for additional study at a professional school or graduate school. Graduates with the BSPS/PharmD will be more competitive than other non-bachelor's PharmD graduates in Illinois and in the region for employment, residencies, fellowships, and graduate school.

Admission

Admission into the BSPS program occurs during the fall semester only. The BSPS offers two pathways—the BSPS Pathway and the BSPS/PharmD Pathway. Students in all pathways will be admitted to the BSPS program in their third undergraduate year or upon meeting all the requirements described below.

For full consideration, the following minimum admission criteria must be met:

- 2.75/4.00 cumulative transfer GPA
- 2.50/4.00 science/math GPA
- Completion of a minimum of 58 hours of college-level coursework, including the Pre-Pharmaceutical Sciences Requirements

Academic Notice and Dismissal Rules

Deficit Points and Academic Recovery

To better understand term and academic notice, dismissal, and academic recovery, it is important to understand deficit points. Students who have earned a UIC total GPA below a 2.00 will have negative deficit points. Deficit points are calculated as follows: multiply the number of semester hours for each course taken by the points for the grade received, A=+2, B=+1, C=0, D=-1, F=-2. Add the points for each course taken during the semester. The total equals the deficit points used to determine term and academic notice status and dismissal. For every negative deficit point earned, an equivalent in positive points must be earned to offset the negative, returning the GPA to 2.00, and good academic standing. As an example, students with a -14 deficit would need a subsequent semester of 14 semester hours of B grades, with nothing less than a C in order to return to good standing. A personalized degree audit found in uAchieve details academic deficit, semester, and total GPAs.

Term Notice Rules

1. A student not currently on academic notice or term notice will be placed on term notice at the end of any term in which the student earns less than a 2.00/4.00 grade point average but whose UIC grade point average is equal to or greater than a 2.00/4.00. For such a student, term notice serves as a warning.

A student on term notice who earns a UIC Term GPA of at least 2.00/4.00 will be removed from term notice.

Academic Notice Rules

1. A student not currently on academic notice will be placed on academic notice at the end of any term in which the student earns a cumulative or UIC GPA less than a 2.00/4.00. This rule applies even for the student with a cumulative GPA of 2.00/4.00 or higher. For such a student, academic notice serves as a warning.
2. An entering transfer student may be placed on academic notice when admitted by petition with cumulative GPA lower than 2.00/4.00.
3. A student readmitted by petition may be placed on academic notice when admitted with a UIC GPA lower than 2.00/4.00.
4. A student readmitted by petition may be placed on academic notice when admitted with a combined cumulative GPA from UIC and other institutions that is lower than 2.00/4.00.

A student on academic notice who earns a GPA of at least 2.00/4.00 in a given term will be removed from academic notice, provided the student's cumulative GPA in all work taken at UIC is at least 2.00/4.00. Further, for the student with transfer credit, the combined average of the student's transfer credit and UIC coursework must also be at least a 2.00/4.00.

A student currently on academic notice will be continued on academic notice when the one of the following occurs:

1. The student meets the GPA required by the conditions of their academic notice but does not raise the cumulative UIC GPA to at least 2.00/4.00; or
2. The student meets the GPA required by the conditions of their academic notice but does not raise the combined average of the student's transfer credit and UIC coursework to at least 2.00/4.00.

The College of Pharmacy Academic Standing Committee (ASC) determines the conditions of academic notice. In addition to specifying the GPA, the ASC may require the completion of specific courses, may limit the number of hours for which the student registers, and a may exclude the student from taking certain courses while on academic notice.

Dismissal Rules

1. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the grade point average required by the academic notice and in which the cumulative GPA in courses taken at UIC is less than 2.00/4.00.
2. A student on academic notice may be dismissed from the university in any term in which the student fails to meet the GPA required by the academic notice and in which the combined transfer and UIC grade point average is less than 2.00/4.00.
3. A student who fails to make progress toward a degree may be dismissed. Examples include failure to complete required courses, accumulation of an excessive number of Incomplete grades, failure to earn credit in any semester, failure to maintain a C average in the major discipline.
4. In addition to the term notice, academic notice, and dismissal rules above, a college or a school may impose criteria for dismissing a student from a curriculum or college without prior academic standing of term notice or academic notice, may impose other terms of term notice or academic notice, and may specify a minimum lapse of time between a dismissal action and consideration of a petition for readmission. The dismissal rules may be waived when, in the judgment of the student's college, the student's overall record warrants such action.

[a] *In other university publications, Dismissal Rules are sometimes referred to as Drop Rules. Term Notice and Academic Notice may be referred to as Probation.*

Appeal of a Dismissal Decision

Students who have been dismissed may apply for readmission after two terms (excluding the summer session), applications originate at the Office of Admissions. It is important to note, that students are afforded 15 weeks to complete a term withdrawal, available online, through the last day of instruction. In the event that serious health or personal issue prevented the student from completing the online term withdrawal by the deadline, or extenuating circumstances prevented the student from completing finals, students will have the limited opportunity to meet with the Assistant Dean of Undergraduate Education in the College of Pharmacy to petition for immediate reinstatement. The student may request immediate reinstatement by following the guidelines as outlined in the college dismissal letter.

Change of Course Schedule

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program.

- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The semester hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- In cases where these procedures would impact program accreditation, licensure or similar, colleges may use their discretion to allow the policy. Colleges, departments, and programs may have discretion in choosing courses that impact the student's major.

Transferring

Intercollege Transfer Students

See previous section on Admissions.

Transfer Students from Other Universities

See previous section on Admissions.

Academic Advising

Advising Policy

Prior to admission into the BSPS program, prospective students should contact the College of Pharmacy regarding advice on acceptance of transfer credit. Following admission, students are assigned a BSPS program advisor who will assist them with course and career planning.

Academic Honors

College Honors

The student who has demonstrated outstanding academic excellence throughout the entire undergraduate program may be eligible for graduation with Latin Honors (e.g. Summa Cum Laude, Magna Cum Laude, and Cum Laude). College Honors will be awarded at the time of graduation to those students who have earned a UIC and cumulative GPA of at least 3.50/4.00.

Dean's List

Each semester the Dean's List honors the academic excellence of students enrolled in the college's undergraduate programs. Students must be full time and earn at least 12 semester hours of letter grades in his or her respective department to be eligible. Students must also earn a semester grade point average of 3.50/4.00 or higher.

Degree Programs

- BS in Pharmaceutical Sciences (p. 445)

BS in Pharmaceutical Sciences

Degree Requirements

Code	Title	Hours
Summary of Requirements		
Pre-Pharmaceutical Sciences Requirements		58-60
Major Requirements (Core and Selective)		50-52
Electives to Reach Minimum Hours		8-12
Total Hours		**120**

Pre-Pharmaceutical Sciences Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
Select one of the following writing courses:		3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	
HUM 101	Humanities Core: Understanding the Individual and Society	
HUM 102	Humanities Core: Understanding the Past	
HUM 120	Engaged Humanities: Understanding the Individual and Society	
Select one of the following general chemistry sequences:		10
CHEM 122 & CHEM 123	Matter and Energy and Foundations of Chemical Inquiry I [b]	
CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [b]	
OR		
CHEM 116 & CHEM 118	Honors and Majors General and Analytical Chemistry I and Honors and Majors General and Analytical Chemistry II	
Select one of the following:		3
COMM 100	Fundamentals of Human Communication [a]	
COMM 102	Introduction to Interpersonal Communication [a]	
BIOS 110	Biology of Cells and Organisms [c]	4
BIOS 120	Biology of Populations and Communities [c]	4
CHEM 232	Structure and Function	3
CHEM 233	Synthesis Techniques Laboratory	2
CHEM 234	Chemical Synthesis	3
Select one of the following:		3-4
PHYS 118	Physics in Modern Medicine [c]	
PHYS 131	Introductory Physics for Life Sciences I [c]	
PHYS 141	General Physics I (Mechanics) [c]	
Select one of the following:		4-5
MATH 165	Calculus for Business [c]	

CHEM 124 & CHEM 125	Chemical Dynamics and Foundations of Chemical Inquiry II [a]	
CHEM 118	Honors and Majors General and Analytical Chemistry II	
BIOS 110	Biology of Cells and Organisms [a]	4
Understanding the Creative Arts General Education course [a]		3
	Hours	**15**
Second Year		
Fall Semester		
PHAR 200	Introduction to Pharmaceutical Sciences [b]	3
CHEM 232	Structure and Function	3
BIOS 120	Biology of Populations and Communities [a]	4
MATH 170	Calculus for the Life Sciences [a]	4
	Hours	**14**
Spring Semester		
CHEM 233 & CHEM 234	Synthesis Techniques Laboratory and Chemical Synthesis	5
STAT 130	Introduction to Statistics for the Life Sciences	4
PHAR 201	Pharmaceutical Care in the US [b]	3
PHYS 131	Introductory Physics for Life Sciences I [a]	4
	Hours	**16**
Third Year		
Fall Semester		
BIOS 350 & BIOS 351	General Microbiology and Microbiology Laboratory	5
BIOS 352	Introductory Biochemistry	3
KN 253	Human Anatomy and Physiology I	4
PSCI 300 or PSOP 300 or PMPR 300	Undergraduate Research Experience in Pharmaceutical Sciences or Undergraduate Research Experience in Pharmacy Systems, Outcomes and Policy or Undergraduate Research Experience in Pharmacy Practice	1
Understanding the Past General Education course		3
	Hours	**16**
Spring Semester		
KN 254	Human Anatomy and Physiology II	4
BIOS 220 or BIOS 416 or BIOS 450 or BIOS 458	Genetics or Natural Products or Advanced Microbiology or Biotechnology and Drug Discovery	3
PSCI 300 or PSOP 300 or PMPR 300	Undergraduate Research Experience in Pharmaceutical Sciences or Undergraduate Research Experience in Pharmacy Systems, Outcomes and Policy or Undergraduate Research Experience in Pharmacy Practice	2
Understanding U.S. Society General Education course [a]		3
Elective		4
	Hours	**16**
Fourth Year		
Fall Semester		
PHAR 410	Integrated Physiology	3
PHAR 422	Fundamentals of Drug Action	4
PHAR 431	Pharmaceutics I - Pharmaceutics Principles, Drug Delivery Systems, and Calculations	3
PHAR 435	Pharmacokinetics	3
Elective		3
	Hours	**16**
Spring Semester		
PHAR 423	Fundamentals of Drug Action II	4
PHAR 432	Pharmaceutics II – Pharmaceutical Dosage Forms and Calculations	2
PHAR 438	Introduction to Drug Information	1
PHAR 461	Pharmacy and the U.S. Healthcare System	2
Elective		4
	Hours	**13**
	Total Hours	**120**

a *Fulfills General Education Requirements.*

b *Transfer students may take PHAR 200 and PHAR 201 during their third year, if necessary.*

BSPS/PharmD Pathway

BSPS students may apply to the PharmD Program during their third undergraduate year. In the BSPS/PharmD Pathway, students can complete the BSPS and PharmD Program in seven years, since there are 22 hours of coursework that are shared between the two degrees. Students in the BSPS/PharmD Pathway receive their BSPS degree upon completion of 120 hours at the end of their first year of the PharmD Program.

Fourth Year Sample Plan of Study for the BSPS/PharmD Pathway

Code	Title	Hours
Fourth Year		
FALL SEMESTER		
PHAR 410	Integrated Physiology	3
PHAR 411	Introduction Pharmacy Practice	4
PHAR 422	Fundamentals of Drug Action	4
PHAR 431	Pharmaceutics I - Pharmaceutics Principles, Drug Delivery Systems, and Calculations	3
PHAR 435	Pharmacokinetics	3
PHAR 465	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 1	0
Electives		0-1
Total Hours		**17-18**

Code	Title	Hours
Fourth Year		
SPRING SEMESTER		
PHAR 412	Introductory Pharmacy Practice (IPPE): Community	2
or PHAR 413	Introductory Pharmacy Practice Experience (IPPE): Hospital	
PHAR 423	Fundamentals of Drug Action II	4
PHAR 432	Pharmaceutics II – Pharmaceutical Dosage Forms and Calculations	2
PHAR 438	Introduction to Drug Information	1
PHAR 461	Pharmacy and the U.S. Healthcare System	2
PHAR 466	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 2	0
PHAR 501	Pathophysiology, Drug Action, and Therapeutics (PDAT) 1: Self Care	3
PHAR 502	Pathophysiology, Drug Action, and Therapeutics (PDAT) 2: GI/Endocrine	3

Inorganic chemistry with laboratory	2	3
Organic chemistry with laboratory	2	3
Physics	1	1
Biochemistry	1	1
Mathematics/ Statistics		
Calculus	1	1
Statistics	1	1
Social or behavioral sciences[b]	1	1
Humanities[b]	1	1
Total Courses[c]	**18**	**21 or 22**

a *If science courses were taken more than five years prior to admission application, students must have their transcripts evaluated by a College of Pharmacy admissions counselor.*

b *Students completing an undergraduate degree at UIC must complete the General Education requirements. Students should consult the* General Education *(*p. 83*) section and their college/department sections of the catalog for more information on fulfilling these requirements.*

c *Each course must be a minimum of 3 semester or 4 quarter credit hours.*

Matriculation Requirements

If selected for admission to the Doctor of Pharmacy program, prospective students must be willing:

1. To provide verification of immunity status as dictated by the university's immunization and clinical education requirements;
2. To be in possession of a valid Illinois pharmacy technician license in good standing at all times or such licenses as required by the Illinois Department of Financial and Professional Regulation (IDFPR);
3. To provide one's own transportation to off-campus pharmacy practice experience sites;
4. To be in compliance with HIPAA requirements;
5. To agree to and abide by the college's policy on audio/video recordings of curricular content for distance education; and
6. To meet any other matriculation requirements, such as criminal background checks and drug screenings.

Failure to comply with the conditions above, and any other conditions set forth in the College of Pharmacy **Matriculation and Continued Enrollment Policies**, will result in refusal of further registration for coursework.

Doctor of Pharmacy Degree Requirements

To earn a Doctor of Pharmacy degree from UIC, students need to satisfactorily complete didactic coursework, introductory pharmacy practice experiences (IPPE), and advanced pharmacy practice experiences (APPE). These degree requirements are outlined below.

Code	Title	Hours
Summary of PharmD Hours		
Total core hours (excluding IPPE and APPE)		78
Total professional elective hours		13
Total experiential hours (IPPE and APPE)		42
Total Hours		**133**

Doctor of Pharmacy Curriculum Requirements

Course	Title	Hours
First Year		
Fall Semester		
PHAR 410	Integrated Physiology	3
PHAR 411	Introduction Pharmacy Practice	4
PHAR 422	Fundamentals of Drug Action	4
PHAR 431	Pharmaceutics I - Pharmaceutics Principles, Drug Delivery Systems, and Calculations	3
PHAR 435	Pharmacokinetics	3
PHAR 465	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 1	0
Electives [a]		0-1
	Hours	**17-18**
Spring Semester		
PHAR 412 or PHAR 413	Introductory Pharmacy Practice (IPPE): Community or Introductory Pharmacy Practice Experience (IPPE): Hospital	2
PHAR 423	Fundamentals of Drug Action II	4
PHAR 432	Pharmaceutics II – Pharmaceutical Dosage Forms and Calculations	2
PHAR 438	Introduction to Drug Information (weeks 1-5) [b]	1
PHAR 461	Pharmacy and the U.S. Healthcare System (weeks 6-15) [b]	2
PHAR 501	Pathophysiology, Drug Action, and Therapeutics (PDAT) 1: Self Care	3
PHAR 502	Pathophysiology, Drug Action, and Therapeutics (PDAT) 2: GI/Endocrine	3
PHAR 466	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 2	0
Electives [a]		0-1
	Hours	**17-18**
Second Year		
Fall Semester		
PHAR 412 or PHAR 413	Introductory Pharmacy Practice (IPPE): Community or Introductory Pharmacy Practice Experience (IPPE): Hospital	2
PHAR 433	Pharmaceutics III – Complex Dosage Forms and Calculations	2
PHAR 462	Social and Behavioral Pharmacy (weeks 1-10) [b]	2
PHAR 463	Personal and Professional Development	2
PHAR 464	Patient Safety (weeks 11-15) [b]	1
PHAR 503	Pathophysiology, Drug Action, and Therapeutics (PDAT) 3: Renal, Electrolytes, and Nutrition	3
PHAR 504	Pathophysiology, Drug Action, and Therapeutics (PDAT) 4: Immunology/Respiratory	4
PHAR 467	Pharmacy Learning, Advising, Mentoring, and Engagement for Students (PhLAMES) 3	0
Electives [a]		0-2
	Hours	**16-18**
Spring Semester		
PHAR 414	Introductory Pharmacy Practice (IPPE): Introduction to Patient Care	2
PHAR 434	Pharmaceutics IV – Drug Delivery Systems Design and Calculations Competency	2

Public Health Baccalaureate Programs

The School of Public Health offers two baccalaureate degree programs: the Bachelor of Arts in Public Health and the Bachelor of Science in Public Health. The Bachelor of Arts in Public Health is geared toward students with an interest in the socio-cultural determinants of health and aims to prepare students for public health practice, community engaged work, and careers and graduate education focused on social justice in health and well-being. The associated selective course options for the Bachelor of Arts largely align with social sciences and humanities. The Bachelor of Science in Public Health is geared toward students seeking a deeper understanding of basic and applied sciences and aims to prepare students for graduate and professional degrees and career trajectories in fields such as epidemiology and biostatistics, dentistry, environmental and occupational health sciences, medicine, and pharmacy. The associated selective course options for the Bachelor of Science include an array of bench, lab, and applied sciences.

The mission of the baccalaureate programs in public health is to engage and enlighten students about matters related to the health of societies locally, nationally, and globally. By systematically examining biological, environmental, cultural, behavioral, historical, economic, and political factors that mitigate health, students in the program will become informed citizens who can consider the public's health in whatever life roles they assume. For those who go on to careers in medicine, nursing, dentistry, and other health-related professions, the baccalaureate programs in public health build upon a broad foundation in the biological and behavioral sciences imbued with social ecology and population–based perspectives. Graduates of the program acquire an array of skills that can be applied to many forms of inquiry, analysis, scientific and moral reasoning, and practice. At the baccalaureate level, graduates may seek employment in public health as communicable disease investigators, public health educators, program coordinators, environmental specialists, information specialists, and other roles commensurate with their skills. Those wishing to pursue professional careers in the public health arena will be well positioned to continue their studies through matriculation into master's degree programs in public health. Emerging from the program with an informed understanding of public health, graduates embrace the vision of health equity and social justice.

Admission Requirements

Admission to Public Health–Undecided (Pre-Public Health)

New first year applicants interested in pursuing the Bachelor of Arts or Bachelor of Science in Public Health are eligible to apply to the Public Health–Undecided (Pre-Public Health) program within the School of Public Health. See the Admissions (p. 37) section of the Undergraduate Catalog for additional information.

New transfer applicants who have completed a minimum of 24 semester hours or 36 quarter hours of transferable college coursework at the time of application but have not yet completed the specified General Education coursework necessary for direct admission to the Bachelor of Arts or Bachelor of Science in Public Health are eligible to apply to the Public Health–Undecided (Pre-Public Health) program within the School of Public Health. See the Admissions (p. 37) section of the Undergraduate Catalog for additional information.

Current UIC students who have not yet completed the specified General Education coursework necessary for direct admission to the Bachelor of Arts or Bachelor of Science in Public Health are eligible to apply as intercollege transfer applicants to the Public Health–Undecided (Pre-Public Health) program within the School of Public Health.

Admission to the Bachelor of Arts or Bachelor of Science in Public Health

Students apply for admission through the School of Public Health. Direct admission to the Bachelor of Arts or Bachelor of Science in Public Health program is selective and dependent on the availability of space. Students seeking direct admission to the Bachelor of Arts or Bachelor of Science in Public Health program must meet these minimum requirements:

1. Junior standing - completion of 60 semester hours of specified General Education coursework at UIC or from any accredited community college or four-year college or university.
2. Specified General Education coursework includes completion of 9 semester hours of introductory public health coursework with a grade of B or better in each course (PUBH 100 , PUBH 110, and PUBH 120) . Special consideration will be given to students who have taken comparable prerequisites at community colleges or other four-year colleges or universities.
3. Minimum cumulative grade point average of 2.50/4.00. A 2.75/4.00 or above is recommended for priority consideration.
4. Personal statement of educational goals including reasons for selecting a public health degree.
5. One letter of recommendation from a professional or academic reference.

Early Admission to the Bachelor of Arts or Bachelor of Science in Public Health

While most students will follow the traditional pathway of entering the major upon completion of 60 hours of specified coursework, early admission to the major is possible for high achieving students. Students who have successfully completed at least 30 semester hours including at least one of the three 100-level public health prerequisite courses (PUBH 100, PUBH 110, or PUBH 120) with a minimum cumulative GPA of at least 3.25/4.00, may apply to be admitted to the full major at the beginning of the sophomore year. Students qualifying for early admission will typically spread their core public health major coursework over three years rather than two.

Degree Requirements

To earn the Bachelor of Arts or Bachelor of Science in Public Health degree from UIC, students need to complete the university and school degree requirements. University and school degree requirements for all School of Public Health students are outlined below. Students should consult the General Education (p. 83) section of the catalog for more information on completing the General Education requirements.

Semester Hour Requirement

The School of Public Health semester hour requirement is 120 semester hours.

Degree Program	Degree Conferred	Total Hours
Public Health	BA in Public Health	120
Public Health	BS in Public Health	120

Course Requirements

See the BA in Public Health (p. 456) or BS in Public Health (p. 458) page for Course Requirements.

Transfer Credit for Continuing Students

Continuing students who want to take coursework for credit at another institution, either concurrent with UIC enrollment or during the summer term, must obtain prior written approval from the School of Public Health. Students will have to provide justification for the request.

If prior approval is not obtained from the school, credit may not be allowed. Students are obligated to report all work from other institutions once enrolled at UIC.

Please note that when transferring credit from a community college, a student must earn at least 60 of the required semester hours either at the University of Illinois Chicago or another accredited four-year college or university. The enrollment residence requirements must also be met. Thus, students ordinarily should not register at a community college after completing their sophomore year.

Transferology is an online tool that helps students view program requirements and course equivalencies.

Minors

The School of Public Health offers the following minor.

Minor	Department	Hours
Minor in Public Health	Public Health	15

School of Public Health Policies

Academic Load

In the School of Public Health, while full-time student status is preferred, students may enroll in a part-time program of study. During the fall and spring semesters, a minimum full-time program is 12 hours of credit per semester. A program of 19 semester hours or more must be approved by the Director of Undergraduate Programs. For Summer Session 1 (four-week) and Summer Session 2 (eight-week), UIC considers a total aggregate of 6 semester hours as the minimum number necessary to constitute full-time enrollment. A program of 13 semester hours or more during the summer session must be approved by the Director of Undergraduate Programs.

Academic Notice and Dismissal Rules

A student will be placed on academic notice in any term in which either a cumulative or term grade point average of less than 2.00/4.00 is earned for all academic work or when the cumulative grade point average for required public health major courses falls below 2.00/4.00. A student on academic notice is expected to earn greater than a 2.00/4.00 in the next term and have an overall UIC and cumulative grade point average of 2.00/4.00 by the end of the second term on academic notice.

Term Notice Rules

1. A student not currently on academic notice or term notice will be placed on term notice at the end of any term in which the student earns less than a 2.00/4.00 grade point average but whose UIC grade point average is equal to or greater than a 2.00/4.00. For such a student, term notice serves as a warning.
2. A student on term notice who earns a UIC Term GPA of at least 2.00/4.00 will be removed from term notice.

Academic Notice Rules

1. A student not currently on academic notice, will be placed on academic notice in any term in which a cumulative grade point average of less than 2.00/4.00 is earned for all academic work or when the cumulative grade point average for required public health major courses falls below 2.00/4.00.
2. An entering transfer student may be placed on academic notice when admitted by petition with a cumulative GPA lower than 2.00/4.00.
3. A student readmitted by petition may be placed on academic notice when admitted with a UIC GPA lower than 2.00/4.00.
4. A student readmitted by petition may be placed on academic notice when admitted with a combined cumulative GPA from UIC and other institutions that is lower than 2.00/4.00.
5. A student on academic notice will be removed from academic notice when they meet the following criteria:
   a. The cumulative GPA in all work taken at UIC is at least 2.00/4.00; and
   b. The combined average of the student's transfer credit and UIC course work is at least 2.00/4.00; and
   c. The cumulative grade point average in required public health major courses is at least 2.00/4.00.
6. The School of Public Health Office of the Dean determines the conditions of academic notice. In addition to specifying the GPA, the school may require the completion of specific courses, may limit the number of hours for which the student registers, and/or may exclude the student from taking certain courses while on academic notice.

Dismissal Rules

Students failing to earn a cumulative grade point average of 2.00/4.00 by the end of two terms on academic notice will be dismissed from the university. In any term, a student may be dismissed for one or more of the following reasons:

1. First-term students will be dismissed after their first term of enrollment if they earn zero credit or obtain a deficit of -15 points or more. Deficit points are calculated as follows: multiply the number of credit hours for each course taken by the points for the grade received, A=+2, B=+1, C=0, D=-1, F=-2. Add the points of each course taken during the semester. The total equals the deficit points used to determine academic notice status. Each deficit point equals one hour of B.
2. Continuing students will be dismissed at the end of any term in which their cumulative deficit points (see above) are -15 or more.
3. Failure to earn any credit.
4. Failure to earn at least a 1.00/4.00 (D) average for a term.
5. Failure to earn at least a 2.00/4.00 average for a term while on academic notice.
6. Failure to meet conditions of academic notice.
7. Failure to meet conditions specified at the time of admission.
8. Failure to make progress toward completion of the Public Health degree. Examples include failure to complete required courses, accumulation of an excessive number of Incomplete grades, failure to earn credit in any semester, and failure to maintain a 2.00/4.00 average in public health major course work.
9. Two or more consecutive terms of university withdrawals.

Appeal of a Dismissal Decision

Students who have been dismissed by the school may apply for readmission after two terms (excluding the summer session). Students who can document that poor academic performance was the result of significant extenuating circumstances, such as a long-term or debilitating illness or personal crisis, may petition for an extension of academic notice/immediate reinstatement. To do so, the student must submit an

is not permitted when there is substantial course overlap between the first and second degrees.

Graduate-Level Courses for Undergraduate Students

With approval from the Director of Undergraduate Programs and permission from the professor, an undergraduate student may enroll in a course at the graduate level (400 or 500 level) for undergraduate credit. Prior to enrollment, students must obtain approval and must have met course prerequisites.

Students should understand that graduate-level courses taken by an undergraduate student are generally not applicable toward a graduate degree.

Independent Study

To be eligible to enroll in PUBH 396, a student must have a minimum 2.50/4.00 grade point average in all coursework taken at UIC and must obtain consent of the instructor and the Undergraduate Public Health Programs prior to registration. No student may enroll in an independent study course after the tenth day of the term without approval of the Undergraduate Public Health Programs.

Petition Procedure

Any rule, regulation, or action of the Undergraduate Public Health Programs may be appealed in writing. Petitions are submitted to the Undergraduate Programs Office in the School of Public Health. It is the student's responsibility to provide documentation in support of the petition. Submission of a petition does not imply approval.

Registration Approval

All new students are required to attend an orientation program prior to registration. Certain students or groups of students may be required to see an advisor prior to registration.

Repeat Policy for Standard Graded Courses

Students may repeat a course to increase their knowledge of the subject matter. There are circumstances under which repeating a course is advisable and to a student's advantage. There are also circumstances where repeating a course may disadvantage a student and narrow a student's options. The Undergraduate Public Health Programs require students to discuss any plan to repeat a course with their academic advisor before they register to repeat the course.

Courses with A or B grades may not be repeated. Normally, courses with a C grade may not be repeated. Courses with D or F grades may be repeated once without written permission. In all cases, the original grade for the course and the grade for each repeat will appear on the transcript. The original grade and the grade for each repeat will be calculated into the grade point average. Only one registration for the course counts toward the total number of credits required for graduation. A course cannot be repeated after receiving credit in a course for which the repeat course is a prerequisite.

To repeat a course more than once due to a grade of D or F requires written permission from the student's college dean. Students who have been dismissed may not appeal on the grounds of intention to repeat courses. Certain courses may not be repeated; students should consult their college before repeating a course.

Undergraduate Grade Point Average Recalculation Policy

- Colleges may elect to implement this policy as early as the end of the junior year, or as late as the final semester during degree certification.
- The college will evaluate each student unable to graduate because of an academic grade point average deficit. The deficit may occur in the UIC GPA, the program GPA, or both.
- The academic record is examined so as to determine if courses, deemed appropriate by each college, with grades of F or grades of D, may be excluded from the student's grade point average.
- A total of four courses may be excluded, with one course excluded at a time until the necessary quality points are obtained to meet the UIC GPA requirement and/or degree program minimum GPA. The credit hours associated with excluded course grades will not count towards graduation requirements.
- Only the college can initiate course exclusions, and only in consultation with the evaluated student.
- Students may not request exclusions.
- Only courses taken at UIC may be converted as part of this policy.
- This policy only applies to undergraduate degree seeking students.
- All courses taken and all grades will remain on the official transcript.
- The grade exclusion policy does not apply to courses failed as the result of a student conduct hearing.
- In cases where these procedures would impact program accreditation, licensure or similar, colleges may use their discretion to allow the policy. Colleges, departments, and programs may have discretion in choosing courses that impact the student's major.

Transferring

Intercollege Transfer Students

Students currently enrolled at UIC who want to transfer into the School of Public Health should complete an Intercollege Transfer Application available on the School of Public Health website. Direct admission to the Bachelor of Arts or Bachelor of Science in Public Health program is offered for the fall semester only. Students currently enrolled at UIC who have not yet completed the specified General Education coursework necessary for direct admission to the Bachelor of Arts or Bachelor of Science in Public Health program are eligible to apply to the Public Health–Undecided (Pre-Public Health) program within the School of Public Health. Admission to Public Health–Undecided (Pre-Public Health) is offered each semester. Application deadlines are available on the School of Public Health website. Admission to the School of Public Health is selective and limited to those students in good academic standing who have a UIC grade point average of at least 2.50/4.00 and whose combined UIC and transfer grade point average is at least 2.50. A 2.75/4.00 or above is recommended for priority consideration. Those students who are accepted into the School of Public Health are expected to enroll immediately in courses that fulfill the Public Health degree requirements. Students are welcome to discuss the School of Public Health admissions process with program staff.

Transfer Students from Other Colleges and Universities

New transfer applicants seeking direct admission to the Bachelor of Arts or Bachelor of Science in Public Health program must have completed at least 60 semester hours of specified General Education coursework. New transfer applicants who have completed a minimum of 24 semester

Exploring World Cultures course [h, j]	3
Understanding U.S. Society course [i, j]	3
Understanding the Individual and Society course [h, i, j]	3
Understanding the Past course [j]	3
Understanding the Creative Arts course [j]	3
Additional General Education course(s) from any category, as necessary to total 24 hours of General Education credit. [j]	1-3
Free electives to total 60 hours	0-10
Total Hours	**60**

a *If a student has a background in a foreign language, proficiency in that language will be determined by testing. Should a student be deemed proficient, other coursework is chosen for this credit hour requirement. See the* College of Liberal Arts and Sciences *(p. 297) foreign language requirement for further explanation.*

b *See Quantitative Reasoning in the* School of Public Health *(p. 450) section. STAT 101 or STAT 130 is recommended to fulfill this requirement.*

c *This course is approved for the Understanding the Individual and Society General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

d *This course is approved for the Understanding U.S. Society General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

e *Required for new first year students in the School of Public Health as well as transfer students who enter the School of Public Health with less than 24 semester hours earned. Others may enroll with permission of instructor if space permits.*

f *This course is approved for the Exploring World Cultures General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

g *This course is approved for the Analyzing the Natural World General Education category (nonlaboratory course).*

h *Students must take a course approved for this General Education category if not fulfilled by PUBH 110.*

i *Students must take a course approved for this General Education category if not fulfilled by PUBH 100.*

j *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category. All students must complete a minimum of 24 semester hours of General Education course work with at least one course from each of the six General Education categories.*

Major Course Requirements in Public Health

Code	Title	Hours
Required Major Courses		
PUBH 300	Critical Thinking in Public Health	4
PUBH 301	Critical Thinking in Public Health II	2
PUBH 310	Public Health and Global Citizenship	3
PUBH 320	Ecologies of Health and Modern Life	3
PUBH 330	Health Equity and Health Disparities	3
PUBH 340	Health Literacy	3
PUBH 350	Health Systems, Health Policy	3
PUBH 360	Local Citizenship and Community Health Initiatives	4
PUBH 370	Using the Public Health Toolbox	3
PUBH 410	Historical and Contemporary Public Health Challenges I	2
PUBH 411	Historical and Contemporary Public Health Challenges II	2
PUBH 397	Baccalaureate Project in Public Health	3
PUBH 395	Professional Topics Seminar	0
Total Hours		**35**

Selectives and Electives

Code	Title	Hours
Courses		
Selectives from list of courses representing an array of disciplines (Black Studies, Anthropology, Communication, Education, Gender and Women's Studies, Latin American and Latino Studies, Psychology, Sociology, Urban Studies and 400-level public health courses, with the exception of MPH core, with permission of instructor). Students are highly encouraged to consider PUBH 393 for one of their selective options.		15
Electives: preapproved by advisor as relevant to the student's plan of study.		3
Free Electives [a]		7
Total Hours		**25**

a *If any of the selective courses have prerequisites that are not already satisfied with the University and General Education Requirements, students are advised to choose free electives that work toward satisfying these prerequisites requirements.*

Sample Course Schedule

Note that students in specific preprofessional tracks (e.g., pre-medicine) will likely need additional semester hours in order to obtain all admission requirements for professional programs.

Course	Title	Hours
Junior Year		
Fall Semester		
PUBH 300	Critical Thinking in Public Health	4
PUBH 330	Health Equity and Health Disparities	3
PUBH 350	Health Systems, Health Policy	3
PUBH 395	Professional Topics Seminar	0
Elective(s)		4
	Hours	**14**
Spring Semester		
PUBH 301	Critical Thinking in Public Health II	2
PUBH 320	Ecologies of Health and Modern Life	3
PUBH 340	Health Literacy	3
PUBH 360	Local Citizenship and Community Health Initiatives	4
PUBH 395	Professional Topics Seminar	0
One elective/selective course		3
	Hours	**15**
Summer Semester		
PUBH 393	Public Health Fieldwork (may be taken as a selective option any time from this point forward)	3
	Hours	**3**
Senior Year		
Fall Semester		
PUBH 370	Using the Public Health Toolbox	3

PUBH 370	Using the Public Health Toolbox	3
PUBH 395	Professional Topics Seminar	0
PUBH 397	Baccalaureate Project in Public Health	3
PUBH 410	Historical and Contemporary Public Health Challenges I	2
PUBH 411	Historical and Contemporary Public Health Challenges II	2
Total Hours		**35**

Selectives and Electives

Code	Title	Hours
Select from a list of courses within the School of Public Health and across campus representing an array of bench, lab, and applied sciences. Students are highly encouraged to consider PUBH 393 for one of their selective options. PUBH 420 is among the selective options and may be a prerequisite requirement for some other public health courses on the list.		15
Select elective courses preapproved by the advisor as relevant to the student's plan of study.		3
Additional free electives [a]		7
Total Hours		**25**

a *If any of the selective courses have prerequisites that are not already satisfied with the University and General Education Requirements, students are advised to choose free electives that work toward satisfying these prerequisites requirements.*

Sample Major Course Schedule

Course	Title	Hours
Junior Year		
Fall Semester		
PUBH 300	Critical Thinking in Public Health	4
PUBH 330	Health Equity and Health Disparities	3
PUBH 350	Health Systems, Health Policy	3
PUBH 395	Professional Topics Seminar	0
Free electives		6
	Hours	**16**
Spring Semester		
PUBH 301	Critical Thinking in Public Health II	2
PUBH 320	Ecologies of Health and Modern Life	3
PUBH 340	Health Literacy	3
PUBH 360	Local Citizenship and Community Health Initiatives	4
PUBH 395	Professional Topics Seminar	0
Public Health elective		3
	Hours	**15**
Senior Year		
Fall Semester		
PUBH 370	Using the Public Health Toolbox	3
PUBH 410	Historical and Contemporary Public Health Challenges I	2
Public Health selective [a]		3
Public Health selective [a]		3
Public Health selective [a]		3
Free elective		1
	Hours	**15**
Spring Semester		
PUBH 310	Public Health and Global Citizenship	3
PUBH 397	Baccalaureate Project in Public Health	3
PUBH 411	Historical and Contemporary Public Health Challenges II	2
Public Health selective [a]		3
Public Health selective [a]		3
	Hours	**14**
	Total Hours	**60**

a *PUBH 393 is strongly recommended as one of the selective options.*

Joint Degrees

The joint degrees are designed for high-performing undergraduates who desire to pursue graduate studies to achieve a Master of Public Health (MPH). Students will earn the BAPH or BSPH when the student has completed at least 120 semester hours and fulfilled all baccalaureate degree requirements, and the MPH will be awarded upon completion of the master's program requirements, with 8 or 9 hours of course work shared between the two degrees, depending on the concentration.

Students who plan to pursue the joint degree program must first be eligible for early admission to the bachelor's degree, which enables students to begin their public health major course work in the Fall semester of their sophomore year, rather than in the Fall semester of their junior year. Students who intend to pursue the joint degree program will indicate their intent during their first year at UIC and must meet with their SPH advisor to plan accordingly for early admission to the bachelor's degree. Students who enter the BAPH or BSPH programs in their sophomore year and desire to move forward with the joint degree will apply to the joint degree program by early in the Spring semester of their junior year.

Joint Degrees with the BS in Public Health

BS in Public Health/MPH, Concentration in Community Health Sciences

The requirements for the combined BS in Public Health and MPH with a concentration in Community Health Sciences (CHS) are identical to the completion of these two separate degrees; however there are 8 semester hours of shared coursework.

Code	Title	Hours
Requirements		
Undergraduate Coursework		112
Graduate-Level Coursework		37
Shared Coursework		8
Total Hours		**157**

BS in Public Health/MPH, Concentration in Environmental and Occupational Health Sciences

The requirements for the combined BS in Public Health and MPH with a concentration in Environmental and Occupational Health Sciences (EOHS) are identical to the completion of these two separate degrees; however there are 9 semester hours of shared coursework.

Code	Title	Hours
Requirements		
Undergraduate Coursework		111

For the minor, students must complete 15 semester hours as outlined below.

Code	Title	Hours
Required Courses		
PUBH 100	Health and the Public	3
PUBH 110	Public Health and Global Societies	3
PUBH 120	Public Health and the Study of Disease and Epidemics	3
A minimum of 6 semester hours of upper-division coursework in the School of Public Health selected from a list of courses across disciplines and programs in the School of Public Health. Students can access this list from the undergraduate public health advisor who will assist them in planning a program of study that meets their interests and satisfies the requirements of the minor.		6
Total Hours		**15**

Preprofessional Studies

Pre-Public Health

The School of Public Health offers two baccalaureate degree programs: the Bachelor of Arts in Public Health and the Bachelor of Science in Public Health. The Bachelor of Arts in Public Health is geared toward students with an interest in the socio-cultural determinants of health and aims to prepare students for public health practice, community engaged work, and careers and graduate education focused on social justice in health and well-being. The associated selective course options for the Bachelor of Arts largely align with social sciences and humanities. The Bachelor of Science in Public Health is geared toward students seeking a deeper understanding of basic and applied sciences and aims to prepare students for graduate and professional degrees and career trajectories in fields such as epidemiology and biostatistics, dentistry, environmental and occupational health sciences, medicine, and pharmacy. The associated selective course options for the Bachelor of Science include an array of bench, lab, and applied sciences.

Direct admission to the Bachelor of Arts in Public Health or the Bachelor of Science in Public Health requires completion of 60 semester hours of specified General Education coursework. However, students who have not yet completed the specified General Education coursework necessary for direct admission are eligible to apply to the Public Health–Undecided (Pre-Public Health) program within the School of Public Health.

Please see below for information on the 60 semester hours of Pre-Public Health coursework required for direct admission to the Bachelor of Arts in Public Health or the Bachelor of Science in Public Health as well as an overview of admission requirements.

Pre-Public Health Requirements for the BA in Public Health

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign language (16 hours in a single language or equivalent) [a]		16
Quantitative Reasoning course [b]		3-5
PUBH 100	Health and the Public [c, d]	3
PUBH 105	Foundations for Public Health [e]	2
PUBH 110	Public Health and Global Societies [c, f]	3
PUBH 120	Public Health and the Study of Disease and Epidemics [g]	3
Analyzing the Natural World - Life Science course with a lab. Select one of the following:		4
ANTH 105	Human Evolution	
BIOS 104	Biology for Non-majors	
BIOS 110	Biology of Cells and Organisms	
BIOS 120	Biology of Populations and Communities	
Exploring World Cultures course [h, j]		3
Understanding U.S. Society course [i, j]		3
Understanding the Individual and Society course [h, i, j]		3
Understanding the Past course [j]		3
Understanding the Creative Arts course [j]		3
Additional General Education course(s) from any category, as necessary to total 24 hours of General Education credit. [j]		1-3
Free electives to total 60 hours		0-10
Total Hours		**60**

a *If a student has a background in a foreign language, proficiency in that language will be determined by testing. Should a student be deemed proficient, other coursework is chosen for this requirement. See the* College of Liberal Arts and Sciences *(p. 297) foreign language requirement for further explanation.*

b *See Quantitative Reasoning in the* School of Public Health *(p. 450) section.* STAT 101 *or* STAT 130 *is recommended to fulfill this requirement.*

c *This course is approved for the Understanding the Individual and Society General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

d *This course is approved for the Understanding U.S. Society General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

e *Required for new first year students in the School of Public Health as well as transfer students who enter the School of Public Health with less than 24 semester hours earned. Others may enroll with permission of instructor if space permits.*

f *This course is approved for the Exploring World Cultures General Education category. Courses approved for more than one General Education category may only be applied to one General Education category.*

g *This course is approved for the Analyzing the Natural World General Education category (nonlaboratory course).*

h *Students must take a course approved for this General Education category if not fulfilled by PUBH 110.*

i *Students must take a course approved for this General Education category if not fulfilled by PUBH 100.*

j *Students should consult the* General Education *(p. 83) section of the catalog for a list of approved courses in this category. All students must complete a minimum of 24 semester hours of General Education*

have taken comparable prerequisites at community colleges or other four-year colleges or universities.

3. Minimum cumulative grade point average of 2.50/4.00. A 2.75/4.00 or above is recommended for priority consideration.
4. Personal statement of educational goals including reasons for selecting a public health degree.
5. One letter of recommendation from a professional or academic reference.

Early Admission to the Bachelor of Arts or Bachelor of Science in Public Health

While most students will follow the traditional pathway of entering the major upon completion of 60 hours of specified coursework, early admission to the major is possible for high-achieving students. Students who have successfully completed at least 30 semester hours including at least one of the three 100-level public health prerequisite courses (PUBH 100, PUBH 110, or PUBH 120) with a minimum cumulative GPA of at least 3.25/4.00, may apply to be admitted to the full major at the beginning of the sophomore year. Students qualifying for early admission will typically spread their core public health major coursework over three years rather than two.

College of Urban Planning and Public Affairs

Contact Information:
Campus Location: 115 CUPPA Hall (CUPPAH)
(312) 413-8088
www.uic.edu/cuppa

Administration:
Dean, Stacey Swearingen White, staceysw@uic.edu
Assistant Dean for Academic Affairs, Jaime Holland, jaime43@uic.edu
Assistant Dean for Student Success, Sharon Hayes, shar@uic.edu

Introduction

The College of Urban Planning and Public Affairs (CUPPA) promotes just, resilient, and livable communities in the world's cities and metropolitan areas. As an internationally recognized leader in education, research, and engagement, it provides innovative education in urban planning, public administration, urban studies, and public policy. It strives for academic excellence to provide inspirational learning experiences for our students and to make contributions beyond the university.

Degree Requirements

To earn a College of Urban Planning and Public Affairs degree from UIC, students need to complete university, college, and department degree requirements. University and college degree requirements for all College of Urban Planning and Public Affairs students are outlined below. Students should consult their academic department section for major course requirements.

Semester Hour Requirement

The College of Urban Planning and Public Affairs semester hour requirement is determined by program:

Major	School	Degree Conferred	Total Hours
Public Policy	Public Policy, Management, and Analytics	BA in Public Policy	120
Urban Studies	Urban Planning and Policy	BA in Urban Studies	120

Course Requirements

See academic department sections for specific course requirements.

General Education Core

General Education at UIC is designed to serve as a foundation for lifelong learning. Students are required to complete a minimum of 24 semester hours in the General Education Core with at least one course from each of the following categories:

1. Analyzing the Natural World
2. Understanding the Individual and Society
3. Understanding the Past
4. Understanding the Creative Arts
5. Exploring World Cultures
6. Understanding U.S. Society

For a description and a list of courses for each General Education Core category, students should consult the General Education (p. 83) section of the catalog. Information on meeting the General Education requirements for CUPPA programs are listed in the respective academic department sections.

General Education Proficiencies—University Writing Requirement and Foreign Language

College of Urban Planning and Public Affairs students must meet the University Writing Requirement. Students in the Urban Studies program must also meet a Foreign Language requirement.

University Writing Requirement

All students must earn a passing grade in ENGL 160 and ENGL 161 or equivalent.

Foreign Language

Urban Studies students must earn 8 hours in a single language or the equivalent.

First-Year Seminar Requirement

All incoming first-year students, including transfer students who enter with less than 24 hours and those admitted in the spring semester, must take the two-course first-year seminar, UPA 120 and UPA 121, during their first and second term at UIC. Satisfactory completion of the seminar is a graduation requirement.

Other Requirements

Grade Point Average (GPA) Requirement

Students must earn a cumulative grade point average of 2.00/4.00 in all work applied to CUPPA's undergraduate degrees. In addition, the combined average of a student's transfer work and work taken at UIC must be at least 2.00. The grade point average for all degree-specific coursework must be at least 2.50. This includes 45 hours of core program requirements for the BA in Public Policy and 60 hours of required courses

1. First-term students may be dismissed after their first term of enrollment if they earn zero credit, a grade point average of less than 1.00/4.00, or obtain a deficit of -15 points or more.
2. Continuing students may be dismissed at the end of any term in which they obtain a deficit of -15 points or more.
3. Failure to earn any credit.
4. Failure to earn at least a 2.00/4.00 while on academic notice.
5. Failure to meet conditions of an academic contract.
6. Failure to meet conditions specified at the time of admission.
7. Failure to make progress toward completion of a CUPPA degree.
8. Two or more consecutive terms of university withdrawals.

The dean may waive the dismissal rules in extraordinary circumstances.

Appeal of a Dismissal Decision

Students who have been dismissed may apply for readmission after two terms (excluding the summer session), applications originate at the office of admissions. If there were extenuating circumstances that led to poor academic performance, a student may appeal the dismissal. Documentation of extenuating circumstances must be provided. The student may request immediate reinstatement by following the guidelines as outlined in the college dismissal letter.

Change of Course Schedule - Dropping Courses

Undergraduate students may drop courses using my.UIC through the end of the second week of classes for fall and spring semesters, the first Wednesday of Summer Session 1, or the first Friday of Summer Session 2. During weeks 3 through 10 of the fall and spring semesters (first Thursday through the third Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2) students may drop courses with the permission of their major college. If the drop occurs between 0 and 2 weeks in fall and spring, there will be no notation on the transcript. If the drop occurs during weeks 3 through 10 in fall and spring (first Thursday through the second Wednesday of Summer Session 1 or weeks 2 through 5 of Summer Session 2), a W is noted on the transcript. Undergraduate students may drop a maximum of 4 UIC individual courses that result in a W notation on their transcript during their entire undergraduate degree program.

Class Attendance

Each instructor establishes the attendance policy for the class, including penalties for nonattendance. Failure to attend classes does not result in automatic withdrawal from a course. The college expects that students will attend all classes.

Course Prerequisites

A student must satisfy the prerequisites before enrolling in a course. A student enrolling in a course without having met the prerequisites may be withdrawn from the course. Course prerequisites are listed in both the course descriptions in this catalog and the *Schedule of Classes*. Only the instructor may waive the prerequisite, if given evidence that the student is adequately prepared to pursue the subject.

Credit/No Credit Option

The credit/no credit option allows the student to complete a course with a grade of credit (CR) or no credit (NC) instead of a letter grade. Courses completed with a grade of CR carry credit and apply toward degree requirements. In general, grades of CR and NC are final and cannot be changed to letter grades. The Public Policy and Urban Studies programs' policy coincides with campus policy with the following conditions:

1. Only students in good standing may elect to take a course under the credit/no credit option. Students on probation and those whose status is undetermined at the time at which they elect the option are not eligible.
2. A student may request only one course per term as credit/no credit.
3. No more than two courses in a single discipline may be taken as credit/no credit.
4. Only elective courses may be taken on a credit/ no credit basis; courses being used to meet any graduation course requirements must be taken for letter grades.
5. The following describes the restrictions that apply to all students regardless of major or curriculum:
   a. Students may not take ENGL 160 or ENGL 161 as credit/no credit.
   b. Students may not take any course used to satisfy the foreign language requirement in the Urban Studies program as credit/no credit.
   c. Students may not take any course used to satisfy the General Education Core requirements as credit/no credit. Until students have completed the minimum requirement in each General Education Core category, courses from these areas may not be taken as credit/no credit.
   d. Students may not take any course used to satisfy the quantitative reasoning requirement as credit/no credit.
   e. Students may not take any course being used to satisfy the requirements of the Public Policy or Urban Studies major or required prerequisite and collateral courses of the major as credit/no credit.
6. A student may earn no more than 21 semester hours of credit at UIC under the credit/no credit option.

Students must apply to take a course credit/no credit, no later than the tenth day of the term (first Wednesday of Summer Session 1 or first Friday of Summer Session 2). After that date, students may not request courses on a credit/no credit basis nor may they change a credit/no credit request previously submitted. It is the responsibility of the student to determine eligibility under the regulations. Students will be informed if they are ineligible and will receive a grade for the course. Students with questions concerning their eligibility should make an appointment with the appropriate director of undergraduate studies.

Declaring a Major

Students must declare a major that leads to a degree after earning 45 semester hours. Failure to do so will result in a registration hold which will not be lifted until the student has changed their major to one that leads to a degree. Transfer students entering with 45 semester hours or more must declare a major by the end of their first term at UIC. Failure to do so will result in a registration hold which will not be lifted until the student has changed their major to one that leads to a degree. Students who have earned 45 semester hours or more may not change their major to an Undeclared Major.

Transfer Students from Other Colleges and Universities

Provided space is available, a minimum 2.50/4.00 grade point average is required for consideration. Please consult the Admissions (p. 37) section of the catalog for more information. See the Office of Admissions Transfer Guide for more information about transfer admission requirements.

Transferring out of the College

A CUPPA undergraduate student who wants to transfer into another UIC college must follow the procedures of that college.

Military Science Credit

Students may earn a maximum of three semester hours of 100-level Military Science and Naval Science courses. An additional one hour of credit in basic military science is allowed for students who have served for a minimum of six months of extended active duty in any branch of the armed forces for the United States. Students in the BA in Public Policy may be able to apply 200-, 300-, and 400-level Military Science courses to a specialization with approval of an advisor or director of undergraduate studies.

Minors

The College of Urban Planning and Public Affairs offers the following minors. Please see departmental listings for more information.

Minor	Department	Hours
Civic Analytics	Public Policy, Management, and Analytics	15
Geographic Information Systems	Urban Planning and Policy	12
Nonprofit Management	Public Policy, Management, and Analytics	15
Public Policy	Public Policy, Management, and Analytics	15
Research Design and Data Analysis	Public Policy, Management, and Analytics	15-17
Sustainable Cities	Urban Planning and Policy	12
Urban Studies	Urban Planning and Policy	15

Academic Advising

Advising Policy

The CUPPA undergraduate programs encourage the intellectual growth and development of the student as an individual. Newly admitted students are required to participate in an advising session prior to their initial registration. To arrange an advising appointment, students may contact the director of undergraduate studies or the college academic advisor.

New Students

All new first-year and transfer students MUST meet with an academic advisor before registering for their first semester. New first-year and transfer students are also required to meet with an academic advisor prior to enrolling in second-semester classes. Students should make academic advising appointments using iAdvise's online appointment system on my.UIC.

Continuing Students

Continuing second-year and upper division students are encouraged to meet with their advisor to continue the development of an academic plan and prioritize declaring a major. Students can schedule an appointment with their assigned advisor online through the iAdvise appointment system. The responsibility for selecting courses and meeting graduation requirements rests with the students, who must plan intelligently to make their programs consistent with their goals and with college requirements.

Academic Honors

University Honors

The college recognizes and conforms with the campus-wide honors program. University Honors are awarded to graduating students who satisfy UIC hours residency requirements with a UIC grade point average that falls within the following honors categories:

- **Summa cum laude:** 3.90 and above
- **Magna cum laude:** 3.75 to 3.89
- **Cum laude:** 3.50 to 3.74

University Honors will be awarded based on UIC GPA at the end of the term prior to the term of graduation for commencement ceremony purposes. UIC will make permanent adjustments to student transcripts and diploma related to University Honors based on final grades.

Dean's List

Exceptional academic achievement in the College of Urban Planning and Public Affairs is recognized each term by inclusion on the Dean's List. Eligibility is based on a 3.50/4.00 term GPA with a minimum program of 12 semester hours, exclusive of basic military science and basic activity courses in physical education. At least 9 semester hours must be earned for letter grades, in addition to a grade of Credit earned in any course taken on a credit/no credit basis.

Department of Public Policy, Management, and Analytics

Contact Information:
Campus Location: 2100 AEH, 400 S. Peoria St, Chicago, IL 60607
(312) 996-3109
https://cuppa.uic.edu/academics/pa/pa-programs/ba-public-policy

Administration:
Director of Undergraduate Programs and Academic Staff Support, Deborah Carroll, Head, deborahc@uic.edu

Bachelor of Arts in Public Policy

Public Policy is a field that promotes the understanding of public problems and how governments and the public attempt to address them. Public Policy provides excellent preparation for careers in government at all levels (federal, state, local), as well as the nonprofit sector, law, and consulting. Given the impact public policy has on medicine, engineering, technology, and other key sectors of the global economy, a minor in Public Policy provides critical knowledge for students pursuing careers in these fields.

20GP5366BA

Degree Requirements

To earn a Bachelor of Arts degree from UIC, students must complete university, college, and department degree requirements. The Department of Public Policy, Management, and Analytics degree requirements are outlined below. Students should consult the College of Urban Planning and Public Affairs section for additional degree requirements and college academic policies. Elective courses may have prerequisites.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		29-33
Core Program Requirements		36
Electives		51-55
Total Hours		**120**

Basic and General Education Requirements [a]

Code	Title	Hours
Required Courses		
UPA 120	Urban and Public Affairs Seminar I [b]	1
UPA 121	Urban and Public Affairs Seminar II [b]	1
ENGL 160 & ENGL 161	Academic Writing I: Writing in Academic and Public Contexts and Academic Writing II: Writing for Inquiry and Research	6
MATH 110	College Algebra	4
ECON 120	Principles of Microeconomics [c]	4
Understanding the Past course [d]		3
Understanding the Creative Arts course [d]		3
Exploring World Cultures course [d]		3
Analyzing the Natural World course [d]		3-5
One elective course from any General Education Core category [d]		3
Total Hours		**29-33**

a *The University General Education Core requirement is a total of 24 semester hours distributed across the six categories. Two required courses in the major are approved for General Education credit and count toward the student's 24 hours of General Education Core courses, including the Understanding U.S. Society category.*

b *Required for new freshmen only.*

c *This course meets the General Education course requirements for Understanding the Individual and Society.*

d *Consult the* General Education *(p. 83) section for lists of approved courses in each of these General Education categories.*

Core Program Requirements

Code	Title	Hours
Required Courses		
PPOL 100	Individual Action and Democratic Citizenship [a]	3
PPOL 105	Programming and Data Analysis for Public Policy I	3
ECON 220	Microeconomics: Theory and Applications [b]	3
or US 240	Urban and Community Economics	
PPOL 205	Programming and Data Analysis for Public Policy II	3
PPOL 210	Introduction to Public Policy [c]	3
PPOL 303	Policy Implementation and Management	3
PPOL 305	Policy Analysis	3
PPOL 405	Evaluating Public Policies and Programs	3
PPOL 491	Internship Experience in Public Policy and Urban Studies	3
Three Policy Specialization courses at the 200 level and above [d]		9
Total Hours		**36**

a *This course is approved for the Understanding the Individual and Society General Education category. Two courses from the major will count toward the university requirement of a total of 24 semester hours of General Education courses.*

b *Students completing the BA in Public Policy who have not completed MATH 121 or an equivalent course should consult with their academic advisor.*

c *PPOL 210 is approved for the Understanding U.S. Society General Education category. Two courses from the major will count toward the university requirement of a total of 24 hours of General Education Core courses. One must be a course from the Understanding U.S. Society category.*

d *Options for three-course specializations are listed below. Students may choose from these lists or customize their own three-course specializations. All specializations must be approved by the undergraduate program coordinator in the Department of Public Policy, Management, and Analytics.*

Electives

Code	Title	Hours
Courses		
Electives required outside the Basic and General Education and Core Program Requirements		51-55
Total Hours		**51-55**

If any of the three-course specialization classes have prerequisites that are not already covered in the Basic and General Education Requirements, students should choose electives that also serve as prerequisites for their specialization courses. For example, students interested in a Health Policy specialization must take PUBH 100, PUBH 110, and PUBH 120 as prerequisites for PUBH 310, PUBH 330, and PUBH 350. PUBH 100 is a U.S. Society course and PUBH 110 is a World Cultures course, so each one can fulfill General Education requirements as well. Check the Course Descriptions for prerequisite requirements for all courses.

Course Options for Public Policy Specializations

Students may choose any 200-, 300-, and 400-level courses for the 9 semester hours in a specialization requirement. The following groups of

Sophomore Year		
First Semester		
PPOL 210	Introduction to Public Policy	3
US 240	Urban and Community Economics	3
General Education course		3
General Education course		3
Elective		3
	Hours	**15**
Second Semester		
PPOL 305	Policy Analysis	3
PPOL 205	Programming and Data Analysis for Public Policy II	3
General Education course		3
Elective		3
Elective		3
	Hours	**15**
Junior Year		
First Semester		
PPOL 303	Policy Implementation and Management	3
Elective		3
Elective		3
Elective		3
Elective		3
	Hours	**15**
Second Semester		
Policy Specialization course		3
Elective		3
Elective		3
Elective		3
Elective		3
	Hours	**15**
Senior Year		
First Semester		
PPOL 405	Evaluating Public Policies and Programs	3
Elective		3
Elective		3
Policy Specialization course		3
Policy Specialization course		3
	Hours	**15**
Second Semester		
PPOL 491	Intership Experience in Public Policy and Urban Studies	3
Policy Specialization Elective		3
Elective		3
Elective		4
Elective		4
	Hours	**17**
	Total Hours	**120**

Joint Degrees

Joint BA in Public Policy/Master of Public Administration

The Joint Bachelor of Arts in Public Policy (BAPP) and Master of Public Administration (MPA) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Public Administration. Students will earn the BAPP upon completion of the undergraduate degree requirements (p. 468) and the MPA degree upon completion of the Master's program requirements with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAPP/MPA degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees. Completion of 111 hours at the undergraduate level; plus 9 shared hours counting toward both the BAPP and MPA degrees; plus 45 hours of coursework at the graduate level will result in joint BAPP and MPA degrees.

Students may submit their intent to apply to the joint degree program when they enter as freshman or when they transfer into the college. They should meet with their undergraduate advisor to plan their courses accordingly. Students must apply to the program their senior year and be accepted by a DGS#led admissions committee. To be eligible, students are required to have a minimum cumulative GPA of 3.40/4.00 upon application and throughout the remainder of their senior year. After completing their senior year, they must maintain a GPA of at least 3.00 in all graduate coursework.

Joint BA in Public Policy/Master of Public Policy

The Joint Bachelor of Arts in Public Policy (BAPP) and Master of Public Policy (MPP) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Public Policy. Students will earn the BAPP upon completion of the undergraduate degree requirements (p. 468) and the MPP degree upon completion of the Master's program requirements with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAPP/MPP degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees. Completion of 111 hours at the undergraduate level; plus 9 shared hours counting toward both the BAPP and MPP degrees; plus 45 hours of coursework at the graduate level will result in joint BAPP and MPP degrees.

Students may submit their intent to apply to the joint degree program when they enter as freshman or when they transfer into the college. They should meet with their undergraduate advisor to plan their courses accordingly. Students must apply to the program their senior year and be accepted by a DGS#led admissions committee. To be eligible, students are required to have a minimum cumulative GPA of 3.40/4.00 upon application and throughout the remainder of their senior year. After completing their senior year, they must maintain a GPA of at least 3.00 in all graduate coursework.

Joint BA in Public Policy/Master of Urban Planning and Policy

The Joint Bachelor of Arts in Public Policy (BAPP) and Master of Urban Planning and Policy (MUPP) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Urban Planning and Policy. Students will earn the BAPP upon completion of the undergraduate degree (p. 468)requirements (p. 468) and the MUPP degree upon completion of the Master's program requirements with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAPP/MUPP degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees. Completion of 111 hours at the undergraduate level; plus 9 shared hours counting toward both the BAPP and MUPP degrees; plus 51 hours of

Code	Title	Hours
Required Courses		
PPOL 230	Nonprofit Organizations and Civil Society	3
PPOL 330	Introduction to Managing Public and Nonprofit Organizations	3
PPOL 430	Fundraising and Development for Nonprofit Organizations	3
Elective Courses [a]		
Select two of the following courses:		6
PPOL 231	Social Policy and Inequality in the U.S.	
PPOL 232	International Development Policy	
PPOL 240	Environmental Policy	
PPOL 296	Special Topics in Public Policy	
PPOL 300	Urban Policy and Metropolitan Governance	
PPOL 467	Civic Engagement	
US 202	Social Justice and the City	
SJ 101	Introduction to Social Justice: Stories and Struggles	
SJ 201	Theories and Practices of Social Justice	
ENTR 310	Introduction to Entrepreneurship	
ENTR 420	Social Entrepreneurship	
Total Hours		**15**

a *Students are encouraged to seek guidance from the director of undergraduate studies and/or the academic advisor in CUPPA in the selection of electives. These may be taken primarily in one department or across multiple departments.*

Minor in Public Policy

Requirements for the Minor

Students must complete 15 semester hours (five courses) as outlined below. A GPA of 2.50/4.00 is required in courses taken toward the minor.

Code	Title	Hours
Required Courses		
PPOL 210	Introduction to Public Policy	3
PPOL 307	Policy Analysis III: Identifying and Developing Alternatives	3
Elective Courses		
Select three of the following with at least one course (3 hours) to be selected from Public Policy or Public Administration.		9
NOTE: Students are encouraged to seek guidance in the selection of electives. They may be taken primarily in one department, or across multiple departments.		
PPOL 100	Individual Action and Democratic Citizenship	
PPOL 212	Evidence-Based Public Policy	
PPOL 230	Nonprofit Organizations and Civil Society	
PPOL 231	Social Policy and Inequality in the U.S.	
PPOL 232	International Development Policy	
PPOL 240	Environmental Policy	
PPOL 300	Urban Policy and Metropolitan Governance	
PPOL 303	Policy Implementation and Management	
PPOL 305	Policy Analysis	
PPOL 309	Public Budgeting and Financial Management	
PPOL 405	Evaluating Public Policies and Programs	
PPOL 467	Civic Engagement	
PA 403	Economics for Management and Policy	
US 301	Political Economy of Urban Development	
US 306	Urban Policy Analysis Methods	
US 308	Globalization in Urban Studies	
CLJ 101	Introduction to Criminology, Law, and Justice	
CLJ 200	Law and Society	
ECON 214	Economics of Education	
ECON 215	Health Economics	
ECON 220	Microeconomics: Theory and Applications	
ECON 328	Public Finance	
ECON 331	Labor Economics	
ECON 332	Urban Economics	
ECON 370	Environmental Economics	
PUBH 100	Health and the Public	
PUBH 110	Public Health and Global Societies	
SOC 105	Social Problems	
Total Hours		**15**

Department of Urban Planning and Policy

Contact Information:
Campus Location: 215 CUPPA Hall
(312) 996-5240
www.uic.edu/cuppa/upp

Administration:
Department Head and Professor, Sanjeev Vidyarthi, svidy@uic.edu
Director of Undergraduate Studies, Brenda Parker, bkparkerz@uic.edu

Bachelor of Arts in Urban Studies

Urban Studies (US) prepares students to enter urban professions and graduate professional education programs with knowledge and understanding of the complexity and diversity of the urban environment and the policy and management processes that affect it. Historically, Americans lived in small towns and rural settings; however, today the vast majority of Americans live within expanding urban regions that are linked to a global network of cities. The Urban Studies program educates students on the complexity and diversity of urban areas; teaches students comprehensive policy and tools for addressing urban problems and creating solutions; and provides students with the opportunity to experience hands-on learning through internships, applied research,

and Public Affairs (p. 463) section for additional degree requirements and college academic policies. Elective courses may have prerequisites.

Code	Title	Hours
Summary of Requirements		
General and Basic Education Requirements		32-34
Required for the Degree		33
Concentration Required for the Degree		12
Free Electives		41-43
Total Hours		**120**

General and Basic Education Requirements

Code	Title	Hours
Required Courses		
ENGL 160	Academic Writing I: Writing in Academic and Public Contexts	3
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Foreign Language (8 hours or equivalent in a single language)		8
Analyzing the Natural World course [a]		3
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
One elective course from any General Education Core category [a]		3
UPA 120	Urban and Public Affairs Seminar I [b]	1
UPA 121	Urban and Public Affairs Seminar II [b]	1
Total Hours		**32-34**

a *See the* General Education *(p. 83) section of the catalog for a list of approved courses in this category.*

b *Required for new freshmen only.*

Required for the Degree

Code	Title	Hours
Required Courses		
US 101	Introduction to Urban Studies [a]	3
US 130	Principles of Urban Sustainability [a]	3
US 202	Social Justice and the City [a]	3
US 240	Urban and Community Economics	3
US 250	Analyzing the City	3
US 301	Political Economy of Urban Development	3
US 306	Urban Policy Analysis Methods	3
US 308	Globalization in Urban Studies	3
UPP 403	Planning Practices for Great Cities	3
UPP 405	Researching the City	3
US 495	Senior Capstone Experience in Urban Studies	3
Total Hours		**33**

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

Concentration Required for the Degree

Code	Title	Hours
Required Courses		
Students must complete four courses within one of the concentrations listed below. At least two courses should be at the 200, 300, or 400 level.		12
Total Hours		**12**

Urban Data Analytics

Code	Title	Hours
CS 111	Program Design I	
or CS 113	Program Design I in the Context of Law and Public Policy	
PPOL 105	Programming and Data Analysis for Public Policy I	
PPOL 205	Programming and Data Analysis for Public Policy II	
PPOL 220	Introduction to Civic Technology	
PA 402	Principles of Data Analysis	
PA 431	Civic Technology	
PA 434	Data Analytics	
PA 446	Coding for Civic Data Applications	
US 261	Mapping, Data, and Geographic Information Systems	
US 361	Introduction to Geographic Information Systems I	

Urban Environments and Climate Change

Code	Title	Hours
ANTH 319	Environmental Anthropology	
BIOS 365	Human Ecological Systems	
CME 311	Water Resources Engineering	
CME 421	Water Treatment Design	
EAES 101	Global Environmental Change	
EAES 285	Earth Systems	
EAES 473	Soils and the Environment	
ECON 370	Environmental Economics	
EOHS 411	Water Quality Management	
EOHS 418	Water Quality Analysis in Public Health	
ENGL 253	Environmental Rhetoric	
ENGL/UPP 452	The UIC Freshwater Lab Course	
ENGL/UPP 453	Freshwater Lab in Practice: Environmental Research, Projects, and Internships	
IE 118	Energy for Sustainable Society	
PPOL 240	Environmental Policy	
PPOL 241		
US 390	Sustainability Internship	
UPP 493	Topics in Urban Planning and Policy	

Foreign Language 101		4
	Hours	**14**
Spring Semester		
US 130	Principles of Urban Sustainability	3
UPA 121	Urban and Public Affairs Seminar II	1
ENGL 161	Academic Writing II: Writing for Inquiry and Research	3
Understanding the Individual and Society course		3
Foreign Language 102		4
	Hours	**14**
Sophomore Year		
Fall Semester		
US 202	Social Justice and the City	3
US 240	Urban and Community Economics	3
Understanding the Past course		3
Elective		3
Elective		3
	Hours	**15**
Spring Semester		
US 250	Analyzing the City	3
Analyzing the Natural World course		4
Understanding the Creative Arts course		3
Electives		6
	Hours	**16**
Junior Year		
Fall Semester		
US 301	Political Economy of Urban Development	3
Concentration Course		3
Concentration Course		3
Electives		7
	Hours	**16**
Spring Semester		
US 306	Urban Policy Analysis Methods	3
US 308	Globalization in Urban Studies	3
Concentration Course		3
Elective		3
Elective		3
	Hours	**15**
Senior Year		
Fall Semester		
UPP 405	Researching the City	3
UPP 403	Planning Practices for Great Cities	3
Concentration Course		3
Elective		3
Elective		3
	Hours	**15**
Spring Semester		
US 495	Senior Capstone Experience in Urban Studies	3
Elective		3
Elective		3
Elective		3
Elective		3
	Hours	**15**
	Total Hours	**120**

Joint Degrees

Joint BA in Urban Studies/Master of Public Adminstration

The Joint Bachelor of Arts in Urban Studies (BAUS) and Master of Public Administration (MPA) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Public Administration. Students will earn the BAUS upon completion of their undergraduate degree requirements (p. 474) and the MPA degree upon completion of the Master's program requirements with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAUS/MPA degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees. Completion of 111 hours at the undergraduate level; plus 9 shared hours counting toward both the BAUS and MPA degrees; plus 45 hours of coursework at the graduate level will result in joint BAUS and MPA degrees.

Students may submit their intent to apply to the joint degree program when they enter as freshman or when they transfer into the college. They should meet with their undergraduate advisor to plan their courses accordingly. Students must apply to the program their senior year and be accepted by a DGS#led admissions committee. To be eligible, students are required to have a minimum cumulative GPA of 3.40/4.00 upon application and throughout the remainder of their senior year. After completing their senior year, they must maintain a GPA of at least 3.00 in all graduate coursework.

Joint BA in Urban Studies/Master of Public Policy

The Joint Bachelor of Arts in Urban Studies (BAUS) and Master of Public Policy (MPP) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Public Policy. Students will earn the BAUS upon completion of their undergraduate degree requirements (p. 474) and the MPP degree upon completion of the Master's program requirements with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAUS/MPP degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees. Completion of 111 hours at the undergraduate level; plus 9 shared hours counting toward both the BAUS and MPP degrees; plus 45 hours of coursework at the graduate level will result in joint BAUS and MPP degrees.

Students may submit their intent to apply to the joint degree program when they enter as freshman or when they transfer into the college. They should meet with their undergraduate advisor to plan their courses accordingly. Students must apply to the program their senior year and be accepted by a DGS#led admissions committee. To be eligible, students are required to have a minimum cumulative GPA of 3.40/4.00 upon application and throughout the remainder of their senior year. After completing their senior year, they must maintain a GPA of at least 3.00 in all graduate coursework.

Joint BA in Urban Studies/Master of Urban Planning and Policy

The Joint Bachelor of Arts in Urban Studies (BAUS) and Master of Urban Planning and Policy (MUPP) is designed for undergraduates with outstanding academic performance who desire to pursue graduate studies in Urban Planning and Policy. Students will earn both a BAUS (p. 474) and a MUPP degree upon completion, with 9 hours of coursework shared between the two degrees.

The requirements for completion of the combined BAUS/MUPP degree are identical to the completion of these two separate degrees; however, there are 9 hours of shared coursework used for both degrees.

Minor in Urban Studies

Requirements for the Minor

Students must complete 15 semester hours as outlined below. A GPA of 2.50/4.00 is required in courses taken towards the minor. Courses applied to the Minor in Urban Studies may not apply to the Minor in Sustainable Cities or Minor in Geographic Information Systems.

Code	Title	Hours
Required Courses		
US 101	Introduction to Urban Studies	3
Elective Courses		
Two additional Urban Studies courses at the 100 or 200 level		6
Two Urban Studies or Urban Planning and Policy courses at the 300 or 400 level		6
Total Hours		**15**

Council on Teacher Education

Contact Information:
Campus Location: 412 S. Peoria, Suite 634 (MC 134)
(312) 355-0714
cte.uic.edu

Administration:
Director and Licensure Officer, Sierra Ryan, (312) 355-0718
Student Teaching Coordinator, Brittney Beck-James, (312) 355-1872
Candidacy Coordinator, Shatell Coleman, (312) 355-0714

Overview of Licensure Phases and Processes

The Council on Teacher Education (CTE) is the professional education unit for the University of Illinois Chicago responsible for coordinating Professional Educator Licensure (PEL) programs and maintaining the State of Illinois Licensure requirements. CTE serves programs in the College of Education; the College of Liberal Arts and Sciences; the College of Architecture, Design, and the Arts; the College of Nursing; and the Jane Addams College of Social Work.

- Decisions about licensure are a joint effort of a candidate's program, the Council on Teacher Education (CTE), and the Illinois State Board of Education (ISBE).
- The program coordinator and faculty have the main responsibility for ensuring that candidates are prepared to become licensed teachers and are, thus, entitled to apply for licensure. They approve qualifications before the CTE begins its process of evaluation.
- The CTE's licensure officer entitles an individual to apply for a license at the state level. The CTE checks that candidates have met state requirements, such as passing the required state-level tests and completing the course, assessment, and grade requirements stipulated by the program as addressing state objectives.
- ISBE makes the final decision about whether or not a candidate receives licensure based upon the information it receives from the institution and a candidate's application.

Admission to Candidacy

To be eligible for candidacy, candidates must meet the following criteria:

1. Completed general education coursework; earned a minimum cumulative GPA as specified by the program, including transfer credits; and completed professional education requirements.
2. Completed the minimum number of clock hours of fieldwork specified by the program and as part of the professional education coursework.
3. Completed all other requirements as specified by the program.

Admission to Student Teaching

To be eligible for student teaching, candidates must meet the following criteria:

1. Completed general education coursework; earned a minimum cumulative GPA as specified by the program in all coursework, including transfer credits; completed professional education requirements with a minimum as specified by the program; and completed coursework in their teaching field with a GPA as specified in their program.
2. Completed the minimum number of clock hours of fieldwork specified by the program and as part of the professional education coursework.
3. Passed the Illinois Content Area Test in the teaching field if student teaching will occur.
4. Submitted a student teaching application before the deadline.
5. Completed the student teacher registration process for the school district where student teaching will occur, typically including a criminal background check and TB test.[a]
6. Met any additional requirements as specified within each program.

Entitlement to Illinois State Licensure

To become licensed, candidates must have done the following:

1. Met all requirements for graduation in their home college.
2. Completed and logged all early field experiences.
3. Completed and passed all assessments including all licensure exams and the Illinois Content Test.
4. Successfully completed student teaching.
5. Completed and filed a licensure application and any related endorsement requests with the Council on Teacher Education.
6. Completed and submitted an exit survey.

Illinois Licensure Test Requirements

Before the license is issued, the candidate must pass a series of examinations required by the Illinois State Board of Education. All tests are valid indefinitely.

The Illinois State Board of Education occasionally changes the requirements for licensure. For current information, contact the academic advisor in the major field of study or the Council on Teacher Education.

a *Teacher candidates are responsible for bearing the expense of the TB test and the criminal background check.*

Undergraduate Education Programs

The University of Illinois Chicago offers educator preparation programs in various content areas and grade ranges. For a list of programs, please visit the Council on Teacher Education website.

Contact the appropriate department for more information on educator preparation programs.

- Microbiology and Immunology (MIM) (p. 651)
- Military Science (MILS) (p. 652)
- Moving Image Arts (MOVI) (p. 652)
- Museum and Exhibition Studies (MUSE) (p. 653)
- Music (MUS) (p. 654)
- Native American Studies (NAST) (p. 658)
- Natural Sciences (NATS) (p. 659)
- Naval Science (NS) (p. 659)
- Neuroscience (NEUS) (p. 660)
- Nursing Core (NURS) (p. 660)
- Nursing Elective (NUEL) (p. 663)
- Occupational Therapy (OT) (p. 663)
- Pathology (PATH) (p. 664)
- Pharmaceutical Sciences (PSCI) (p. 664)
- Pharmacology (PCOL) (p. 664)
- Pharmacy (PHAR) (p. 664)
- Pharmacy Practice (PMPR) (p. 666)
- Pharmacy Systems, Outcomes, and Policy (PSOP) (p. 669)
- Philosophy (PHIL) (p. 671)
- Physical Therapy (PT) (p. 675)
- Physics (PHYS) (p. 675)
- Physiology and Biophysics (PHYB) (p. 678)
- Polish (POL) (p. 678)
- Political Science (POLS) (p. 679)
- Portuguese (PORT) (p. 684)
- Psychology (PSCH) (p. 684)
- Public Administration (PA) (p. 687)
- Public Health (PUBH) (p. 689)
- Public Policy (PPOL) (p. 691)
- Public Policy Analysis (PPA) (p. 692)
- Real Estate Studies (RES) (p. 692)
- Religious Studies (RELS) (p. 693)
- Russian (RUSS) (p. 695)
- Slavic and Baltic Languages and Literatures (SLAV) (p. 697)
- Social Justice (SJ) (p. 697)
- Sociology (SOC) (p. 697)
- Spanish (SPAN) (p. 701)
- Special Education (SPED) (p. 706)
- Statistics (STAT) (p. 707)
- Study Abroad (SABR) (p. 709)
- Theatre (THTR) (p. 709)
- Urban and Public Affairs (UPA) (p. 714)
- Urban Planning and Policy (UPP) (p. 714)
- Urban Studies (US) (p. 716)

Academic Skills Program (ASP)

Courses

ASP 021. Workshop for Students Enrolled in MATH 121. 2 hours.
A workshop where smaller groups of students work together with the instructor to enhance their problem-solving skills by solving additional problems both similar to, as well as more challenging than, the ones given in MATH 121. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Corequisites: Requires concurrent registration in MATH 121.

ASP 060. Resources and Strategies for College Success. 3 hours.
Learn study strategies such as time management, studying for and taking tests, critical reading, and critical thinking. Connect to key campus resources that are designed to help students succeed. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit.

ASP 061. Introduction to Positive Psychology. 1 hour.
Student coaches and mentors will study theory in positive psychology, as it relates to the coaching practice. Topics such as motivation, behavioral change, decision making, and communication will be covered. Course Information: Satisfactory/Unsatisfactory grading only. Field work required. Meets eight weeks of the semester. Course will take place on Part-of-Term B (second part) of the Fall semester. No graduation credit. Prerequisite(s): Students must be pre-approved to register for the course. Students must be working as a coach or mentor in an approved UIC program.

ASP 080. Workshop for Students Enrolled in MATH 180. 2 hours.
A workshop where smaller groups of students work together with the instructor to enhance their problem-solving skills by solving additional problems both similar to, as well as more challenging than, the ones given in MATH 180. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Corequisites: Requires concurrent registration in MATH 180.

ASP 081. Workshop for Students Enrolled in MATH 181. 2 hours.
A workshop where smaller groups of students work together with the instructor to enhance their problem-solving skills by solving additional problems both similar to, as well as more challenging than, the ones given in MATH 181. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Requires concurrent registration in MATH 181.

ASP 084. Research Poster and Presentation Workshop for LARES Students. 3 hours.
Working with a faculty mentor, students conduct research related to the Latino community and present their findings at a pre-selected conference. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Extensive computer use required. Restricted to students in the Latin American Recruitment and Educational Services Program.

ASP 085. Boosting Academic Strategies for Success. 2 hours.
Designed to support students who wish to enhance their academic success in and out the classroom. This intensive support program equips students with critical strategies and tools to maximize their learning experience at UIC. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit.

ACTG 445. Federal Income Tax I. 3 or 4 hours.
Concepts and provisions of federal income taxation as applicable to individual taxpayers, partnerships, individuals and trusts. Course Information: 3 undergraduate hours. 4 graduate hours. Credit is not given for ACTG 445 if the student has credit for ACTG 508. Extensive computer use required. Prerequisite(s): Grade of C or better in ACTG 315.

ACTG 446. Federal Income Tax II. 3 or 4 hours.
Concepts and provisions of federal income taxation on corporations and partnerships; special problems in reorganization, liquidations, and personal holding companies. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): A passing grade in ACTG 445 or the equivalent.

ACTG 456. Business Law II: Business Organizations. 3 or 4 hours.
Business organizaions, including: agency, general partnerships, limited partnerships, corporations, limited liability companies, securities regulations, bankruptcy, suretyship, bailments, real property, wills and trusts, accounting liability. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): A passing grade in ACTG 355 or the equivalent.

ACTG 465. Governmental and Non-Profit Accounting. 3 or 4 hours.
Financial transaction analysis and recording system; budget preparation and control; concepts and principles underlying the financial reports of governmental and non-profit organizations. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): A passing grade in ACTG 316.

ACTG 470. Ethical Environment of Business. 3 or 4 hours.
An examination of the decision making process on both the individual and organizational levels. The effect of moral, legal, and economic factors on the decision making process. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): A passing grade in ACTG 211.

ACTG 474. Accounting Information Systems. 3 or 4 hours.
Skills and concepts that enable the documentation, design and use of accounting information systems, understanding transaction cycles, sound internal controls, accounting software and the electronic business environment. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in ACTG 210 and Grade of C or better in ACTG 211; and IDS 200.

ACTG 475. Database Accounting Systems. 3 or 4 hours.
Concepts and principles of designing database systems to perform accounting functions, applications of microcomputer accounting software packages systems design tools, and computerized transaction cycles. Course Information: Same as IDS 475. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): A passing grade in both ACTG 211 and IDS 200.

ACTG 476. Enterprise Accounting Systems. 3 or 4 hours.
Uses ERP software and analytics to teach transaction processing, internal controls, dashboard design, analytical tools and visual presentation of accounting data used to manage large organizations. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): ACTG 475 or equivalent database experience. Recommended Background: Good Excel skills are very helpful; IDS 331 would be an excellent background course.

ACTG 484. International Accounting. 3 or 4 hours.
Financial accounting for international operations, multinational managerial accounting and control, comparative international accounting, international reporting issues and international taxation. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of D or better in ACTG 316.

ACTG 485. Valuation and Analysis. 3 or 4 hours.
Financial analysis and valuation of firms. Corporate strategies, financial reporting issues and market perceptions. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): ACTG 315 and FIN 300 for undergraduate students. One accounting and one finance class or consent of the instructor for graduate students.

ACTG 492. Accounting Data Analytics. 3 or 4 hours.
Accounting professionals look at huge financial and transactional data available from multitude of corporate and external sources. Businesses can use information and analytics tools to improve their performance metrics and generate valuable insights. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): ACTG 315 and ACTG 326 and ACTG 474; or ACTG 500. Recommended background: Grade of C or better in ACTG 435 and Grade of C or better in ACTG 476.

ACTG 493. Accounting Cases, Research and Analysis. 3 or 4 hours.
Examines US GAAP, alternatives, SEC filings and company financial statements, through cases and research projects using various research methodologies. Satisfies research requirements for CPA candidacy. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): A passing grade in ACTG 316.

ACTG 494. Special Topics in Accounting. 1-4 hours.
Topics rotate in various areas of accounting, including but not restricted to financial, managerial, governmental and nonprofit accounting, law and business ethics. Explores current issues and proposed alternatives. Course Information: Prerequisite(s): Two courses in accounting or finance beyond ACTG 211 and FIN 300 or the equivalent.

ACTG 495. Competitive Strategy. 4 hours.
Multidisciplinary analysis of organization strategy and policy, using case method and/or business simulation. Assignments involve extensive library research and oral and written reports. Course Information: Prerequisite(s): Senior standing in the College of Business Administration and completion of all other CBA core courses, or consent of the instructor.

ACTG 499. Research Experience. 1-3 hours.
Research experience under the supervision of a faculty member. The faculty member and student will determine the research project. Each student must submit a report and each student must participate at a research event on campus. Course Information: May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Approval of the Department.

Anatomy and Cell Biology (ANAT)

Courses

ANAT 315. Anatomy I. 4 hours.
Structural and functional anatomy of the human head, neck and orofacial complex . Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ANAT 316. Anatomy II. 1 hour.
Introduction to the structural and functional systems biology of the human body. Course Information: Prerequisite(s): ANAT 315.

ANTH 215. Anthropology of Religion. 3 hours.
Exploration of varieties of religious experience, including magic and witchcraft, with emphasis on non-Western religions and the role of religious institutions in social integration. Course Information: Same as RELS 215. Prerequisite(s): ENGL 161. *Individual and Society course, and World Cultures course*.

ANTH 216. Medicine, Culture, and Society. 3 hours.
Medical anthropology explores illness and health as both embodied and socially constructed. It maintains that illness reflects cultural understandings of the body, social/structural inequalities, and differential distributions of power. Course Information: Recommended for pre-health students who plan to work in multi-cultural settings. Prerequisite(s): Completion of the English Composition requirement; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *Individual and Society course, and World Cultures course*.

ANTH 217. Special Topics in Sociocultural Anthropology. 3 hours.
Focuses on new and innovative topical and theoretical approaches in Anthropology or new research topics of interest in socio-cultural anthropology. Course Information: May be repeated. Students may register for more than one section per term. Prerequisite(s): ANTH 101; or consent of the instructor.

ANTH 218. Anthropology of Children and Childhood. 3 hours.
Examines childhood, a uniquely human life stage, both across cultures and from a biosocial perspective that includes both physical and social development. Course Information: Prerequisite(s): ANTH 101 and ANTH 105; or consent of the instructor. *Individual and Society course*.

ANTH 219. Anthropology of Globalization. 3 hours.
Explores capitalism as a culture, its origins, and the problems of consumer culture in the U.S. and the world. Course Information: Prerequisite(s): ANTH 101; or consent of the instructor. *World Cultures course*.

ANTH 220. Method and Theory in Archaeology. 3 hours.
Introduction to techniques and methods in archaeology, archaeological reasoning, research design, and methods of analysis. Archaeological methods for the analysis of prehistoric technology, economy, social and political organization. Course Information: Prerequisite(s): ANTH 102 or consent of the instructor.

ANTH 223. Southwestern Archaeology. 3 hours.
Introduction to the archaeology of ancient Native American cultures of the North American Southwest, emphasizing processes of culture change from earliest times until European contact, with focus on current debates and relevant methods and theories. Course Information: Same as LALS 223. Prerequisite(s): Credit or concurrent registration in ANTH 102; or consent of the instructor.

ANTH 224. Archaeology of Mainland Southeast Asia. 3 hours.
Introduction to the archaeology of mainland Southeast Asia, ranging from the appearance of early peoples to the rise of states such as the Angkorian Khmer Empire. Course Information: Same as GLAS 224. Prerequisite(s): ANTH 101 or ANTH 102; or consent of the instructor.

ANTH 226. Archaeology of North America. 3 hours.
Introduction to the prehistoric cultures of North America from earliest times until the arrival of Europeans. Course Information: Same as LALS 257. Prerequisite(s): ANTH 102 or consent of the instructor.

ANTH 227. Ancient Civilizations of Mexico and Central America. 3 hours.
Analysis and interpretation of the archaeological evidence on the process of development of native civilization in the Meso-American area from the beginnings of agricultural settlement to the eve of the Spanish conquest. Course Information: Same as GEOG 207 and LALS 258. Prerequisite(s): ANTH 102; or sophomore standing or above; or consent of the instructor.

ANTH 229. Special Topics in Archaeology. 3 hours.
Covers special topics in archaeology. Course Information: May be repeated. Students may register for more than one section per term. Prerequisite(s): ANTH 102; or consent of the instructor.

ANTH 231. Becoming Human: The Fossil Record. 4 hours.
The fossil record as it applies to different interpretations of human evolution; principles of evolutionary biology; survey of the biology and behavior of living primates. Course Information: Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ANTH 233. Forensic Anthropology. 4 hours.
Addresses the role of anthropologists in criminal cases involving human skeletal remains, including biological variation, personal identification, cause of death, humanitarian efforts, and ethics. Course Information: Credit is not given for ANTH 233 if the student has credit for the comparable ANTH 239 topics section Forensic Anthropology. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ANTH 234. Modern Human Variation and Adaptation. 4 hours.
A broad overview of genetic variation and biosocial adaptation in contemporary human groups. Course Information: Prerequisite(s): ANTH 105. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ANTH 237. The Human Skeleton. 4 hours.
Examination of the human skeleton, emphasizing bone identification and functional anatomy. Course Information: Same as BIOS 237. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

ANTH 238. Biology of Women. 3 hours.
An evolutionary perspective on the biology of women from conception to menopause, in light of current research on genetics, hormones, and development. Topics include sexual differentiation, sex differences, and life history. Course Information: Same as GWS 238. Prerequisite(s): Grade of C or better in ANTH 105; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course, and Natural World - No Lab course*.

ANTH 239. Special Topics in Biological Anthropology. 3 hours.
Special topics in Biological Anthropology. Course Information: May be repeated. Students may register for more than one section per term. Prerequisite(s): ANTH 105; or consent of the instructor.

ANTH 242. Introduction to Arab American Studies. 3 hours.
Addresses key themes in Arab American Studies: immigration and racism; family, gender, and sexuality; socio-economic class; religious affiliation; arts and cultures; and politics and political activism. Course Information: Same as GLAS 242. Prerequisite(s): Grade of C or better in ENGL 161. *US Society course, and World Cultures course*.

ANTH 332. Performance Ethnography. 3 hours.
Students engage performance as a subject and method of study as they investigate the methods and ethics of conducting ethnographic research and creating performance in order to explore how people express, negotiate, and create identity and meaning. Course Information: Same as THTR 332. Field work required. Recommended background: Considerable interest in performance and/or ethnography is important; but no formal performance or ethnography training is required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ANTH 335. Topics in Biological Anthropology. 3 hours.
Theoretical and substantive issues in the study of both human and non-human primates as well as hominids, as represented in current journals and topical volumes. Course Information: May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): ANTH 105 and one 200-level course in biological anthropology.

ANTH 386. Elements of Spatial Analysis. 3 hours.
Implications of geographic concerns for data gathering and analysis. Spatial sampling and weighting of areal data. Reconciling record and zone inconsistencies when merging data from several sources. Course Information: Same as GEOG 386. Prerequisite(s): Consent of the instructor.

ANTH 390. Honors Research. 3 hours.
Individual study or research projects for students seeking departmental distinction. Course Information: May be repeated to a maximum of 6 hours. Successful completion necessary for "Departmental Distinction" with final paper submitted to three-member honors committee for approval. Prerequisite(s): Junior standing or above, approval of the department, a 3.00 University grade point average, and a 3.50 grade point average in anthropology. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and major.

ANTH 394. Topics in Sociocultural Anthropology. 3 hours.
Reading, study and discussion of selected problems in sociocultural anthropology. Course Information: May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): ANTH 101 or consent of the instructor.

ANTH 409. Ancient Maya Writing, Language and Culture. 3 or 4 hours.
Recent trends in Maya epigraphy, information gained from Maya hieroglyphs, linguistics, and historical ethnographies are applied to anthropological analyses of past lifeways. Course Information: Same as LALS 409. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above; and consent of the instructor.

ANTH 411. Urban Cultural Problems. 3 or 4 hours.
A study of the processes of urbanization and of cultural and social adjustments to the city; illustrated by case studies. Course Information: 3 undergraduate hours. 4 graduate hours.

ANTH 415. Foundations in Anthropology and Global Health I. 3 or 4 hours.
Explores the field of cultural medical anthropology and provides a theoretical foundation allowing for understanding and exploration of anthropology's role in international health. Course Information: Same as IPHS 415. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of B or better in ANTH 216; and junior standing or above; or consent of the instructor.

ANTH 416. Foundations in Anthropology and Global Health II. 3 or 4 hours.
Provides an evolutionary and biocultural approach to human biology, physiology, health and disease. Course Information: Same as IPHS 416. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of B or better in ANTH 232; and junior standing or above; or consent of the instructor.

ANTH 418. Ethnographic and Qualitative Research Methods. 3 or 4 hours.
Practical introduction to the techniques of social scientists for research in natural social settings: participant observation/non-participant observation, interviewing, use of documentary sources, etc. Course Information: Same as GEOG 418. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above.

ANTH 420. Seminar in Archaeology and Ethnography. 3 or 4 hours.
Case studies of investigations in archeology using research monographs and other primary sources. Substantive data and related theoretical problems are examined simultaneously. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 15 hours. Prerequisite(s): Junior standing or consent of the instructor.

ANTH 423. Andean Prehistory. 3 or 4 hours.
An overview of the cultural evolution of the Andean region from the arrival of the first inhabitants to the development of the Inca empire. Course Information: Same as LALS 423. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ANTH 269; or consent of the instructor.

ANTH 424. Violence. 3 or 4 hours.
Survey of violence theory and research. Examination of types, causes and consequences of violence historically and in the present. Exploration of acts of resistance to violence. Course Information: Same as CLJ 423. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

ANTH 425. Field Techniques in Archaeology. 4 hours.
Exposure to field methods in archaeology through participation in an actual research project. Students are instructed in field excavation techniques. Usually offered in summer session. Course Information: Same as GEOG 425. May be repeated to a maximum of 8 hours. Prerequisite(s): ANTH 102 or consent of the instructor. Recommended: Concurrent registration in ANTH 426 or GEOG 426. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Practice.

ANTH 426. Laboratory Techniques in Archaeology. 4 hours.
Exposes students to laboratory methods in archaeology through the analysis of excavated materials. Students are instructed in laboratory techniques. Course Information: Same as GEOG 426. May be repeated to a maximum of 8 hours. Prerequisite(s): ANTH 102 or consent of the instructor. Recommended: Concurrent registration in ANTH 425 or GEOG 425. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ANTH 428. Chiefdoms. 3 or 4 hours.
Focus on traditional non-state, yet complex, societies known as "chiefdoms." Examine the organization and evolution of such societies through a combination of ethnographic, historical and archaeological data. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ANTH 101 or ANTH 102; or consent of the instructor.

ANTH 483. Geographic Information Systems III. 4 hours.
Problems encountered in the analysis and portrayal of geographic data. Topics include taxonomy, regionalization, trend surface analysis, time series, markov probabilities, and computer cartographic procedures for displaying output from analytic procedures. Course Information: Same as GEOG 483. Prerequisite(s): GEOG 482 or ANTH 482 or consent of the instructor.

ANTH 490. Independent Study. 1-6 hours.
Independent reading under the supervision of a faculty member. Course Information: May be repeated to a maximum of 8 hours with approval. Students may register in more than one section per term. Prerequisite(s): Junior standing and consent of the instructor. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

ANTH 494. Special Topics in Anthropology. 3 or 4 hours.
Reading, study, and discussion of selected problems for graduate students and majors in anthropology. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Junior standing or approval of the department.

ANTH 496. Internship. 1-4 hours.
Professional field experience with an agency or organization in the private or public sector on projects related to the student's area of specialization. Course Information: Same as GEOG 496. May be repeated to a maximum of 8 hours. Only 4 hours of credit may be applied toward the Minor in Geography. Prerequisite(s): Declared major in anthropology, minor in geography or full graduate standing in anthropology or geography and consent of the faculty advisor, head of the department, or the director of internship programs. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

Applied Health Sciences (AHS)

Courses

AHS 100. Applied Health Sciences Seminar I. 1 hour.
Introduces students to resources at UIC. Emphasizes academic skill building, professional development, major/career exploration, health and wellness, social justice, diversity and inclusion and community engagement. Course Information: Satisfactory/Unsatisfactory grading only. Course meets for full 16 weeks of the semester.

AHS 101. Rehabilitation Sciences Student Success Seminar. 1 hour.
This introductory seminar is designed to provide participants the opportunity to explore, practice, and reflect on the overall building blocks for success as a college student in the Rehabilitation Sciences program at UIC. Course Information: Satisfactory/Unsatisfactory grading only. Priority will be given to students in the BS in Rehabilitation Sciences.

AHS 102. Introduction to Clinical Research in Rehabilitation Sciences. 3 hours.
Continued introduction from AHS 101 to evidence based practice and research. Students will conduct a literature review the health sciences, interpret data and create a report with proper referencing. Course Information: Prerequisite(s): AHS 101. Priority will be given to students in the BS in Rehabilitation Sciences.

AHS 111. Career Planning in the Health Sciences. 1 hour.
Provides the skills to develop personal career planning and development for health and other sectors. Promotes self-discovery, explores career choices, and aids the articulation of academic goals and career plans upon completion of this course. Course Information: Extensive computer use required. Meets eight weeks of the semester.

AHS 112. Career Readiness in the Health Sciences. 1 hour.
Explores skills needed: to create a self-brand; to navigate a job search; to develop life skills for the world of work. Emphasis on health-related vocations and on personal and professional development throughout the career-span. Course Information:.

AHS 200. Introduction to Integrated Health Sciences. 3 hours.
Overview of the biological, behavioral, economical, and socio-cultural determinants of health from the level of the gene to society. Contextualizes health into current behavioral and social theories and paradigms. Course Information: Taught as a blended course with both online content and face to face discussion sessions.

AHS 210. Introduction to Rehabilitation Sciences. 3 hours.
Aspects of rehabilitation social sciences as they relate to the maximization of functional capacity in persons seeking rehabilitation services, and the interaction of persons with the surrounding environment. Course Information: Prerequisite(s): AHS 100 or credit or concurrent registration in AHS 101. Priority registration for students in the BS in Rehabilitation major.

AHS 294. Special Topics in the Health Sciences. 1-5 hours.
Covers special topics relevant to the health sciences. Course Information: May be repeated.

AHS 299. Applied Health Scienes Study Abroad. 0-18 hours.
Provides credit for study abroad. Student's proposal must have prior approval of the student's major program or department. Final determination of credit is made on the student's completion of the work. Course Information: May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year.

AHS 304. Human Sexuality and Health Science. 3 hours.
Introduction to sexuality and sexual functioning across the lifespan with particular emphasis on the intersection of sexuality and health. Course Information: Taught as a blended course with both online content and face to face discussion sessions.

AHS 325. Approaches to Rehabilitation Case Management. 3 hours.
Case management of clients in rehab settings through continuum of care from acute care to home/community. Introduction to collaborative process of assessment, planning, care coordination, evaluation, and advocacy to meet an individual's and family needs. Course Information: Prerequisite(s): Credit or concurrent registration in AHS 102 and AHS 210; or consent of the instructor. Priority will be given to students in the BS in Rehabilitation Sciences, but the course will be open to all UIC students who meet the prerequisite requirement.

AHS 330. Physical and Mental Health Issues in Rehabilitation. 3 hours.
Introduces students to common diagnostic conditions seen in rehabilitation, the physical and mental health impact of each condition, and implications for independent living and community participation. Course Information: Prerequisite(s): Credit or concurrent registration in AHS 210. Priority will be given to students in the BS in Rehabilitation Sciences, but will be open to other students with approval.

ARAB 203. Arabic for Healthcare Professions and Sciences. 3 hours.
An advanced course for students interested in pursuing a career in healthcare who would like to communicate effectively in Arabic with patients and families. Course Information: Prerequisite(s): Grade of C or better in ARAB 104; or appropriate score on the department placement test; or consent of the instructor; or the equivalent AP Test score.

ARAB 222. Philosophy in the Islamic World. 3 hours.
Survey of philosophy in the Islamic world from 8th century until today. Topics include: logic and psychology to metaphysics, theology, and politics. Special emphasis on cultural interactions between philosophers of different faiths and cultures. Course Information: Same as PHIL 222 and RELS 222. Prerequisite(s): One non-logic course in philosophy or consent of the instructor.

ARAB 230. Arabic Literature in Translation. 3 hours.
Introduces students to the genres and themes of classical and modern Arabic literature in translation. Course Information: Taught in English. Prerequisite(s): Completion of the English Composition requirement. *World Cultures course*.

ARAB 250. The Heritage of Muslim Iberia. 3 hours.
Examines the history, culture and scientific achievements associated with the Muslim presence in Iberia from 711 CE to the fall of Grenada in 1492 CE, and the interplay of Arab and non-Arab cultures in the Western Mediterranean. Course Information: Taught in English. Prerequisite(s): Completion of the English Composition requirement. *Past course, and World Cultures course*.

ARAB 270. The Reel Arab. 3 hours.
Examination of how Arabs are portrayed in the cinema. Exploration of popular films (both Western and Arab) and their prominent conventions. Focus on gender issues, racial and ethnic representations, and analysis of patriarchal attitudes. Course Information: Same as MOVI 270. Taught in English. Prerequisite(s): Completion of ENGL 160; or any 100- or 200-level film course. *Creative Arts course*.

ARAB 299. Independent Reading. 1-3 hours.
Individually planned readings on selected topcis under faculty supervision. Course Information: May be repeated to a maximum of 3 hours. Taught in English. Prerequisite(s): Consent of the instructor.

ARAB 310. Aristotle and the Arabs. 3 hours.
Traces the major topics of ancient Greek philosophy, especially those of Aristotle, and their transformation into the philosophy developed in the Arabic classical period. Course Information: Same as CL 310 and PHIL 310. Prerequisite(s): CL 221 or PHIL 221 or RELS 230.

Architecture (ARCH)

Courses

ARCH 105. Architectural Studio 1. 5 hours.
Introduction to the visual and graphic principles of architectural design and production, with emphasis on observation, process, and composition, developed under the theme of representation and visual culture. Course Information: 5 hours. Field trips required at a nominal fee. Prerequisite(s): Approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ARCH 106. Architectural Studio 2. 5 hours.
Introduction to materials and methods of assembly in architectural design and production, with emphasis on design process, problem-solving, and construction, developed under the general theme of representation and visual culture. Course Information: 5 hrs. Prerequisite(s): ARCH 105 and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ARCH 151. Architecture at Chicago. 2 hours.
Introduction to the architecture culture of the School of Architecture and in the city. Course Information: Extensive computer use required. Field work required. Requires concurrent registration in ARCH 105.

ARCH 200. Architecture and Society. 4 hours.
Provides an understanding of the issues and factors that motivate and influence architectural design and theory, and how architecture is shaped by and shapes cultural concerns and social organization. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Creative Arts course, and Individual and Society course*.

ARCH 205. Architectural Studio 3. 5 hours.
Principles of building design and representation explored through integrative analysis of program, site, structure, materials, mechanical systems, and composition, developed under the general theme of architectural technology. Course Information: 5 hours. Extensive computer use required. Field trips required at a nominal fee. Field work required. Students will use city as a research laboratory with field work on project sites. Additional scheduled field trips will be made to significant or historical architectural buildings as part of preliminary design research and analysis. Prerequisite(s): ARCH 105 and ARCH 106; and approval of the department. Students must have earned an average grade of C or better in ARCH 105 and ARCH 106. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ARCH 206. Architectural Studio 4. 5 hours.
Expands basic principles of building design and representation explored through integrative analysis of program, site, structure, materials, mechanical systems, and composition, developed under the general theme of architectural technology. Course Information: 5 hours. Extensive computer use required. Field trips required at a nominal fee. Field work required. Students will use city as a research laboratory with field work on project sites. Additional scheduled field trips will be made to significant or historical architectural buildings as part of preliminary design research and analysis. Prerequisite(s): ARCH 205 and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ARCH 210. Architecture as Archetype: Explorations of the City and Its Forms. 3 hours.
Introduces students to architectural knowledge through its most elementary forms, analyzing their historical manifestations and present expressions. *Past course*.

ARCH 251. Architectural Analysis. 3 hours.
Analysis of the form and space of the built environment beginning with experiential and empirical inquiry and expanding to formal, visual, compositional, and perceptual techniques. Course Information: Prerequisite(s): Approval of the Department; and BA Architectural Studies students must enroll concurrently in ARCH 105; and BS Architecture students must have completed ARCH 106 and also register concurrently in ARCH 205. Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ARCH 466. Advanced Topic Studio 2. 6 hours.
Advanced studio that pursues specific design and research agendas of current significance; students choose by lottery from among several options that are offered by faculty. Course Information: Extensive computer use required. Field trip required at a nominal fee. Field work required. Students will use city as a research laboratory with field work on project sites. Additional scheduled field trips will be made to significant or historical architectural buildings as part of preliminary design research and analysis. Prerequisite(s): ARCH 465; and approval of the department. Students must have earned an average grade of C or better in ARCH 365 and ARCH 366. Students with a lower grade point average for the 365/366 studio sequence are required to take an eight-week summer studio in which they must earn at least a C in order to advance to the studio sequence for the following year. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ARCH 470. Structures I: Statics. 3 hours.
Introduction to the analysis of structural elements. Introduction to fundamental structural planning criteria and relevant concepts of tension, compression and bending. Introduction to historical and contemporary structural precedents. Course Information: Prerequisite(s): Credit or concurrent registration in MATH 180 and Credit or concurrent registration in PHYS 131.

ARCH 471. Structures II: Strength of Materials. 3 hours.
Introduction to material properties; strength characteristics of building materials and material assemblies; stress and strain; rigidity and deformation; temperature effects; torsion effects; combined loading of elements and systems. Course Information: Prerequisite(s): ARCH 470 and approval of the school.

ARCH 499. Special Topics. 3 or 4 hours.
Special topics in theory, design, technology, or graphic skills and craft (manual or digital). Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 3 time(s). Prerequisite(s): Senior standing or above.

Art (ART)

Courses

ART 101. Signifying Practices: Art and Visual Culture. 4 hours.
Introduction to theoretical perspectivs for analyzing experiences of visual and multi-modal phenomena. Strategies for researching and writing about topics related to contemporary aesthetic practices. Course Information: Field trips required at a nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 110. Introduction to Art Education. 4 hours.
Introduction to practical and theoretical perspectives in art education. Students will be introduced to methods of interpretation and meaning making, and learn how art educators work in collaboration with diverse populations. Course Information: Extensive computer use required. Field trip required at a nominal fee. Students are not required to have a background in art education. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion *Creative Arts course, and Individual and Society course*.

ART 112. Introduction to Drawing. 4 hours.
Introduction to drawing: orientation to the description and expressive potential of drawing through exposure to a variety of subjects, media, and formal concepts. Course Information: Previously listed as AD 102. Field trips required at a nominal fee. Course Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory. *Creative Arts course*.

ART 116. The Science and History of Sound in the Arts. 3 hours.
Investigates physical properties of sound and their application in the arts. Students will explore sound through math, physics, and acoustics fundamental principles. Principles of sound will be tested/evaluated through research/applied projects. Course Information: Same as MUS 116. Extensive computer use required. Field work required. *Natural World - No Lab course*.

ART 130. Introduction to Painting + Color. 4 hours.
Beginning painting: introduction to major directions of contemporary painting; underlying historical precedents; orientation to subjects and formal concepts using relevant materials and process. Course Information: Field Trip required at a nominal fee. Course Schedule Information: To be properly registered, students must enroll for one Lecture and one Laboratory. *Creative Arts course*.

ART 140. Introduction to Sculpture. 4 hours.
The study of major directions and underlying historical precedents in contemporary sculpture. Orientation to concepts of 3-dimensionality through use of relevant processes and heuristic approaches to making. Course Information: Previously listed as AD 140. Field trips required at a nominal fee. Course Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory. *Creative Arts course*.

ART 150. Introduction to New Media Arts. 4 hours.
An introduction to the theory and practice of responsive arts. Through hands-on exercises, students learn to design interactive interfaces and responsive environments. Survey lectures focus on current practices and the history of new media. Course Information: Previously listed as AD 100. Extensive computer use required. Course Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory. *Creative Arts course*.

ART 151. Introduction to Creative Coding in New Media Arts. 4 hours.
Under the professional instruction of an expert in coding languages, students will investigate the ways in which social media, data, and code have been instrumental in re-configuring the nature of social relationships in our society. Course Information: Extensive computer use required. Field trips required at a nominal fee. Students will use coding languages such as Processing, HTML, and JavaScript. Moving through beginning and intermediate levels of coding, students will explore creative new avenues of applying these tools. Students will gain skills to expand upon traditional uses of coding by aligning it with the contemporary art practices of New Media, a field in which technology and contemporary art combine. Class Schedule: To be properly registered, students must enroll in one Lecture and one Laboratory. 420071 *Creative Arts course*.

ART 272. Topics in Video I. 4 hours.
An intermediate video production course in theory and practice. Assignments, screenings, discussions, and readings related to video art as well as technical skills needed for production and post-production. Course Information: Previously listed as AD 278. May be repeated for a maximum of 8 hours. Extensive computer use required. Prerequisite(s): Sophomore standing or above; or consent of instructor; and completion of the art foundation program. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 274. Topics in Motion Graphics I. 4 hours.
Introduction to basic film/video animation techniques including direct animation, stop-motion, cycles, metamorphosis, and special graphic processes and effects. Course Information: Previously listed as AD 274. May be repeated for a maximum of 8 hours. Prerequisite(s): Sophomore standing or above and completion of the art foundation program. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 275. Topics in Screenwriting. 4 hours.
Project-based course is an introduction to screenwriting. Students learn the principles of substance, structure and style and how to write in proper script format. Course Information: Previously listed as AD 275. May be repeated for a maximum of 8 hours. Prerequisite(s): Sophomore standing or abaove; or cnsent of the instructor; and completion of the art foundation program.

ART 280. Topics in Color. 4 hours.
Course presents a wide range of historical and contemporary color theories and investigates color in terms of color science, reproduction and communication. Provides a conceptual framework for approaching color and working knowledge of its attributes. Course Information: Previously listed as AD 209. May be repeated for a maximum of 8 hours. Field trips required at a nominal fee. Prerequisite(s): Sophomore standing or above and completion of the Art Foundation Program. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 290. Art and Resistance: Socially Engaged Art. 4 hours.
Covers an overview of how artists have engaged in political movements and more contemporary examples including artists involved in the Occupy and Black Lives Matter Movements. Course Information: Field trips required at a nominal fee. Material covered in class will include DaDa which arose as reaction to World War I, German artist Joseph Beuys and his notion of Social Sculpture and his involvement in the Organization for Direct Democracy and the Green Party, the role art and design played in the Black Panther Party, the Guerilla Girls and their feminist critique of art institutions. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory. *Individual and Society course*.

ART 310. Visual and Verbal Literacy in Art Education. 4 hours.
Explores relevance of critical theory, text-based contemporary art, cultural studies, and aesthetics to the school art curriculum. Strategies for incorporating reading and writing into arts education. Course Information: Field work required. Prerequisite(s): Grade of B or better in ART 210; and junior standing or above; and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture one Discussion.

ART 312. Topics in Drawing II. 4 hours.
Topics directed by the instructor; may include individual study and related readings in contemporary art; further investigation and extended applications in drawing. Course Information: Previously listed as AD 304. May be repeated for a maximum of 8 hours. Field trips required at a nominal fee. Prerequisite(s): ART 212; and junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 323. Topics in Justice. 3 hours.
Uses aesthetic and theoretical approaches to examine global or local issues of justice; will have rotating topics. Course Information: Field trips required at a nominal fee.

ART 330. Topics in Painting II. 4 hours.
In-depth focus regarding a specific topic/emphasis under the direction of the instructor; direct experience and related readings investigate innovations and major directions in contemporary painting. Course Information: Previously listed as AD 332. May be repeated to a maximum of 12 hours. Prerequisite(s): ART 230; and junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 340. Topics in Sculpture II. 4 hours.
Specific topics--designed by the instructor--address current practices and theories in sculpture and installation. The course is an investigation of sculptural practice as a vehicle by which to explore a variety of media. Course Information: Previously listed as AD 342. May be repeated for a maximum of 8 hours. Field trips required at a nominal fee. Prerequisite(s): ART 240; and junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 350. Advanced Topics in New Media Arts. 4 hours.
Concentration course in New Media Art. Students create artwork with new media technologies, interactive installations, software and computer animation. Includes social, cultural, critical and aesthetic considerations of new media. Course Information: May be repeated for a maximum of 12 hours. Extensive computer use required. Prerequisite(s): ART 250. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 360. Topics in Photography. 4 hours.
Direct experience and related readings investigate innovations and major directions in contemporary photography. The instructor directs in-depth focus regarding a specific topic or emphasis. Course Information: Previously listed as AD 360. May be repeated for a maximum of 12 hours. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): ART 260; and junior standing or above; and consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 362. Topics in Photography: Alternative Process and Lighting Studio. 4 hours.
Exploring alternative process in photography and how they can inform the work in contemporary practices as well as the exploration of tools and techniques of a photographic lighting studio. Course Information: Previously listed as AD 262. May be repeated for a maximum of 8 hours. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): Junior standing or above and completion of Art Foundation Program. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 456. Embedded Media: Physical Computing. 4 hours.
A practical and conceptual exploration into electronic sensors, processors and actuators as applied to interactive media. Course Information: Previously listed as AD 456. Extensive computer use is required. Prerequisite(s): AD 205; and junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 457. Interactive 3D. 4 hours.
An introduction to real-time ineractive art theory and to the design and production practices used in creating 3D applications for games and the web. Course Information: Previously listed as AD 457. Extensive computer use required. Prerequisite(s): Junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 458. Advanced Interactive 3D. 4 hours.
Advanced theory and practice of real-time interactive art and producing 3D applications for games and the web. Conceptualization, planning, and development of interactive 3D and virtual reality environments. Course Information: Previously listed as AD 458. Extensive computer use required. Prerequisite(s): ART 457; and junior standing or above; or consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 460. Advanced Independent Projects: Photography. 4 hours.
A practical and conceptual exploration into independent individual projects in contemporary photography. Course Information: Field trips required at a nominal fee. Field work required. Prerequisite(s): ART 260; and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ART 470. Adv Projects: Moving Image. 4 hours.
A practical and conceptual exploration into possibly long form, longer-term individual or collaborative projects in contemporary film and/or video. Course Information: Field trips required at a nominal fee. Field work required. Prerequisite(s): Credit or concurrent registration in ART 272; and junior standing or above; and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ART 480. Independent Study in Art. 0-5 hours.
Intensive workshops in specific art related topics and techniques directed and announced by the instructor. Course Information: 1 to 4 undergraduate hours. 2 to 5 graduate hours. May be repeated. Previously listed as AD 406. Prerequisite(s): Junior or graduate standing; and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ART 484. Educational Practicum with Seminar I. 6 hours.
The first half of two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades nine through twelve. Course Information: Graduate credit only with approval of the School of Art and Art History. Field work required. Prerequisite(s): Grade of B or better in ART 210 and Grade of B or better in ART 310 and Grade of B or better in ART 410; and senior standing or above; and approval of the department and approval of the Council for Teacher Education. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ART 485. Educational Practicum with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades nine through twelve. Course Information: Graduate credit only with approval of School of Art and Art History. Field work required. Prerequisite(s): Grade of B or better in ART 210 and Grade of B or better in ART 310 and Grade of B or better in ART 410; and senior standing or above; and approval of the department and approval of Council for Teacher Education. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ART 490. Art and the Collective Impulse. 4 hours.
Art is collective and social endeavor. This course traces the legacy of group work and artist collectives with a focus on developing successful models for collaboration and participation. Course Information: Field trips required at a nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ART 499. Art Internship. 0-4 hours.
Introduction to professional practice offering students the opportunity to couple academic learning with professional experience in an off-campus placement. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Only 8 hours of credit may apply toward Art major requirements. Requirements for the organization offering an internship: understanding/agreement that a student intern is an artist in training (not a volunteer, not a freelancer) positions are paid (at or above federal minimum wage) student is seeking professional experience (not a portfolio piece) setting is a studio environment (the student is not the only artist on site) 15 hours per week expected, 20 hours per week maximum. Prerequisite(s): Approval of the Department.

Art History (AH)

Courses

AH 100. Introduction to Art and Art History. 3 hours.
Forms, meanings, and purposes of art. Discussion of techniques, styles and content as well as historical and social contexts, in various media and cultures. *Creative Arts course*.

AH 101. The Naked and the Nude: Studies in Visual Literacy. 3 hours.
Diverse social and psychological aspects of nakedness, nudity and related forms of bodily vulnerability studied through a wide-ranging history of art. Team-taught by the entire Art History faculty. Rigorous training in visual literacy. Museum visit. Course Information: Field trips required at a nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

AH 110. World History of Art and the Built Environment I. 4 hours.
Comprehensive overview of how world art, architecture, and visual culture from prehistory to 1400 CE respond to and shape culture, religion, politics and history. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Creative Arts course*.

AH 111. World History of Art and the Built Environment II. 4 hours.
Comprehensive overview of how world art, architecture, and visual culture from 1400 CE through contemporary respond to and shape culture, religion, politics and history. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Creative Arts course*.

AH 218. Pompeii: Everyday Life in a Roman Town. 3 hours.
Examination of the Roman town of Pompeii, including its history, society, politics, economy, religion, art, architecture, and entertainments. Course Information: Same as CL 218 and HIST 218. *Past course*.

AH 219. Art and Architecture of East Asia. 3 hours.
Survey of the historic and contemporary art and architecture of China, Korea and Japan, as well as the architecture and art of Asian Diasporas. Course Information: Same as GLAS 219. *Creative Arts course, and World Cultures course*.

AH 220. Buddhist Art and Architecture. 3 hours.
A chronologically and thematically organized survey of Buddhist art and architecture in Asia and beyond. Course Information: Same as RELS 220 and GLAS 220. *Creative Arts course, and World Cultures course*.

AH 221. Medieval Architecture. 3 hours.
The development of early Christian, Byzantine, Romanesque, and Gothic architecture. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor.

AH 222. Renaissance Architecture. 3 hours.
The development of architecture in Renaissance Europe, with emphasis on the Italian Penninsula, from 1400 to 1600. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor.

AH 223. Baroque Architecture. 3 hours.
The development of architecture in Europe from 1600 to 1750. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor. *Creative Arts course*.

AH 224. North American Architecture. 3 hours.
The development of architecture, urbanism, and architectural theory over the last 500 years. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor.

AH 225. European Architecture, 1750-1900. 3 hours.
The development of European architecture, urbanism and architectural theory from 1750 to 1900. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor.

AH 228. History of Landscape Architecture. 3 hours.
Survey of developments in the history of gardens, parks, and other designed spaces over the past 1000 years. Course Information: Prerequistie(s): 3 hours of Art History at the 100-level or consent of the instructor.

AH 230. History of Photography I: 1820-1920. 3 hours.
History of photography from the 1820s to the beginning of the twentieth century. Course Information: Prerequisite(s): 3 hours of Art History at the 100-level or consent of the instructor. *Creative Arts course*.

AH 231. History of Photography II: 1900 to Present. 3 hours.
History of photography from the beginning of the twentieth century to the present. Course Information: Preerequisite(s): 3 hours of Art HIstory at the 100-level or consent of the instructor. *Creative Arts course*.

AH 232. History of Film I: 1890 to World War II. 3 hours.
History of film from its beginnings in the 1890s up to World War II. Course Information: Same as ENGL 232 and MOVI 232. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. Recommended background: ENGL 131 or ENGL 132 or ENGL 230. *Creative Arts course*.

AH 233. History of Film II: World War II to the Present. 3 hours.
History of film from World War II to contemporary movements in world cinema. Course Information: Same as ENGL 233 and MOVI 233. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. Recommended background: ENGL 131 or ENGL 132. *Creative Arts course*.

AH 234. New Media Studies. 3 hours.
Developments in non-traditional visual media since 1960. Course Information: Recommended background: 3 hours of Art History at the 100-level.

AH 235. History of Design I: 1760-1925. 3 hours.
Survey of industrial and graphic design from the Industrial Revolution to 1925. Course Information: Same as DES 235. Prerequisite(s): 3 hours of Art History at the 100-level or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

AH 236. History of Design II: 1925 to the Present. 3 hours.
Survey of industrial and graphic design from 1925 to the present. Course Information: Same as DES 236. Prerequisite(s): 3 hours of Art History at the 100-level or consent of the instructor. Recommended background: AH 235 or DES 235.

AH 242. Early Christian and Byzantine Art and Architecture. 3 hours.
The art, architecture and built environment of the Early Christian and Byzantine world from the third to fifteenth century CE. Religious and secular arts are surveyed in their historical contexts, paying attention to political, social and cultural circumstances. Course Information: Prerequisite(s): 3 hours of Art History at the 100-level recommended but not required. *Creative Arts course*.

AH 243. Medieval Art and Architecture. 3 hours.
The art and architecture of the medieval west from 200 CE through the fifteenth century, including urbanism and the built environment. Religious and secular arts are surveyd in their historical context. Course Information: Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor. *Creative Arts course*.

AH 244. Islamic Art and Architecture. 3 hours.
The art and architecture of Islamic civilizations from the seventh century to the modern period. Religious and secular arts are surveyed in their historical contexts. Course Information: Prerequisite(s): Consent of the instructor or 3 hours of Art History courses at the 100-level. *Creative Arts course, and World Cultures course*.

AH 245. Selected Topics in Medieval Architecture and Art. 3 hours.
Selected topics in the architecture, art and material culture of Europe and the Mediterranean region, from Late Antiguity through the western Middle Ages, Byzantium and/or Islam. Course Information: May be repeated in topics vary. Students may register for more than one section per term. Recommended background: 3 hours of Art History at the 100-level.

AH 246. European Avant-Garde. 3 hours.
Major movements of the avant-garde, including Cubism, Futurism, Suprematism, Surrealism, and Constructivism. Cross -fertilization of ideas between cultures and media, including literature, film, architecture and visual arts. Course Information: Same as CEES 246. Taught in English. Prerequisite(s): Sophomore standing or above; or consent of the instructor. *Creative Arts course*.

AH 300. Topics in Architecture, Art and Design. 3 hours.
Selected topics in the history of architecture, art and design, from the ancient world to the present. Course Information: May be repeated. Students may register for more than one section per term. Prerequisite(s): Credit or concurrent registration in AH 110 and AH 111; or consent of the instructor. Recommended background: 3 hours in Art History in the general subject area.

AH 301. Theories and Methods in Art History. 3 hours.
The methodologies and theories of the discipline and their application to selected problems. Course Information: Previously listed as AH 200. Required for majors in art history. Prerequisite(s): Junior standing and major in art history, or consent of the instructor.

AH 302. Museum and Exhibition Workshop. 3 hours.
Taught as a practicum, and act as a laboratory for imaginative, justice focused approaches to the work of cultural institutions. It will be organized around the collaborative design and completion of an exhibition and/or program. Course Information: Prerequisite(s): AH 180. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

AH 303. Writing in Art History. 1 hour.
Research methodology and writing in the field of art history.

AH 304. Alexander the Great and the Hellenistic World. 3 hours.
Examines the career of Alexander the Great of Macedon and his legacy in Greece, Egypt and the Near East, up until the arrival of the Romans. Course Information: Same as CL 304. Prerequisite(s): Sophomore standing or above.

AH 322. Contemporary Architecture. 3 hours.
Worldwide trends in recent architecture, urbanism, architectural theory and criticism. Course Information: AH 110 and AH 111; or consent of the instructor.

AH 399. Collaborative Research. 1-4 hours.
Research experience under the guidance of faculty. Course Information: May be repeated. Prerequisite(s): AH 303 and AH 301; and consent of the instructor.

AH 404. Topics in Architecture, Art and Design. 3 or 4 hours.
Selected topics in the history of European and North American architecture, art and design. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 2 time(s) if topics vary. Students may register in more than one section per term. Prerequisite(s): 3 hours of art history at the 200 level or consent of the instructor.

AH 407. The Power of the Image: Roman Sculpture as Propaganda. 3 or 4 hours.
Historical and thematic examination of the use of Roman sculpture, by emperors and private individuals of all social classes, as an instrument of personal and political propaganda. Course Information: Same as CL 407 and HIST 407. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): one of the following courses: AH 204, AH 205, AH 110, CL 101, CL 103, CL 203, CL 204, CL 205, HIST 203, HIST 205; or consent of the instructor.

AH 420. History of Architecture I. 4 hours.
Introduction to architecture, urbanism, and architectural theory worldwide from antiquity to 1450. Course Information: Prerequisite(s): Graduate standing.

AH 421. History of Architecture II. 4 hours.
Introduction to architecture, urbanism and architectural theory worldwide from 1450 to the present. Course Information: Prerequisite(s): Graduate standing and AH 420.

AH 422. Topics in the Literature of Architecture. 3 or 4 hours.
Discussion of selected readings in the theory and criticism of architecture. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): 3 hours in the history of architecture or consent of the instructor.

AH 423. Topics in Modern and Contemporary Architecture. 4 hours.
Selected topics in modern and contemporary architecture. Course Information: May be repeated if topics vary. Prerequisite(s): Graduate standing, and four hours in the history of architecture or consent of the instructor.

AH 424. Topics in Architecture and Urban Form in Chicago. 2-4 hours.
Topics on the development of the built environment of the Chicago and metropolitan area, and the effect on its architecture of social, political and economic forces.

AH 430. Contemporary Photography. 3 or 4 hours.
Developments in the history of photography since 1950. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): 3 hours in the history of photography or consent of the instructor.

AH 431. Photographic Theory. 3 or 4 hours.
Developments in photographic theory from its prehistory in the camera obscura and linear perspective through its heyday in the machine age up to its place in our image world today. Course Information: 3 undergraduate hours. 4 graduate hours. Recommended Background: AH 150 or any photography studio course.

AH 432. Topics in Film and Video. 3 or 4 hours.
Selected studies in genres, schools, individual artists, critics, and theorists of film and video. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Graduate standing or 3 hours in the history of film or consent of the instructor.

AH 435. Topics in Modern and Contemporary Design. 3 or 4 hours.
Topics in modern and contemporary design. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): 3 hours in the history of design or consent of the instructor.

AH 441. Topics in Medieval Art and Architecture. 3 or 4 hours.
Selected topics in European art and architecture of the Middle Ages. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): 3 hours of medieval art and architecture or consent of the instructor.

AH 449. Women and Film. 3 or 4 hours.
Roles and representations of women in classical Hollywood, European art and independent feminist cinemas. Course Information: Same as ENGL 449 and GWS 449. 3 undergraduate hours. 4 graduate hours. Previously listed as AH 434. Recommended background: Any of ENGL 330, 344, 345, or 347. Junior standing or above.

AH 450. Topics in Renaissance Art. 3 or 4 hours.
Selected topics in Early Renaissance, High Renaissance, or Mannerist Art and Architecture. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): 3 hours in art history at the 200 level or above, or consent of the instructor.

AH 455. Topics in Early Modern Art. 3 or 4 hours.
Selected topics in early modern art. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): consent of the instructor. Recommended background: A 200-level and/or 300-level AH course or above is recommended.

BCMG 411. Introduction to Biological Chemistry. 4 hours.
Includes chemistry of cellular constituents; enzymology; metabolism of sugars, proteins, lipids, and nucleic acids; and regulation of metabolism. Course Information: Prerequisite(s): Organic chemistry. Lecture course designed primarily for students in the College of Dentistry. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Lecture.

Biological Sciences (BIOS)

Courses

BIOS 102. Biological Sciences First-Year Seminar. 1 hour.
Seminar course designed to introduce first-year students in the Biological Sciences major to departmental resources and opportunities that will promote student success. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Open only to freshmen.

BIOS 104. Biology for Non-majors. 4 hours.
Origin and diversity of life; genetics, evolution, ecology and ecosystems; energy flow; photosynthesis; human anatomy and physiology; development of biological ideas; and biology, biotechnology and human society. Course Information: Credit is not given for BIOS 104 if the student has credit in BIOS 100 or BIOS 101 or BIOS 110 or BIOS 120. Animals may be used in instruction. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture. *Natural World - With Lab course*.

BIOS 110. Biology of Cells and Organisms. 4 hours.
Introductory biology at the molecular, cellular, and organismal level. Topics include: Scientific skills, biological chemistry, cell structure and function, metabolism, cell division, molecular genetics, diversity, anatomy and physiology. Course Information: Previously listed as BIOS 100. Animals used in instruction. THIS COURSE IS INTENDED FOR SCIENCE MAJORS. BIOS 110 and BIOS 120 may be taken in any order. Credit is not given for BIOS 110 if the student has credit in BIOS 100. Credit is not given for BIOS 104 if the student has credit in BIOS 100, BIOS 101, BIOS 110 or BIOS 120. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory-Discussion. *Natural World - With Lab course*.

BIOS 112. Program Design I in the Context of Biological Problems. 3 hours.
Introduction to programming using Biology as the context for programming in a high-level language; control structures, variables, simple and aggregate data types; problem-solving techniques; biology topics include central dogma and genetics. Course Information: Same as CS 112. Credits is not given for CS 112, if student has credit in CS 111 or CS 113. Course Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

BIOS 120. Biology of Populations and Communities. 4 hours.
Introductory biology at the level of populations and communities. Topics include: Scientific skills, evolution, Mendelian and population genetics, biological diversity, and ecological systems including ecosystem processes and human impacts. Course Information: Previously listed as BIOS 101. Animals used in instruction. This course is intended for science majors. BIOS 110 and BIOS 120 may be taken in any order. Credit is not given for BIOS 120 if the student has credit in BIOS 101. Credit is not given for BIOS 104 if the student has credit in BIOS 100, BIOS 101, BIOS 110 or BIOS 120. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory-Discussion. *Natural World - With Lab course*.

BIOS 184. The Basics of Neuroscience. 1 hour.
Introduction to the scientific study of the brain and behavior. Overview of neuroscience as an integrative discipline. Course Information: Same as PHIL 184 and PSCH 184. Satisfactory/Unsatisfactory grading only.

BIOS 196. Biology Colloquium. 2 hours.
Combines in-class seminars with off-campus day and weekend field trips, with the goal of introducing students to different areas of the Biological Sciences, and alternate career options.Course Information: May be repeated up to 1 time(s). Field trips required at a nominal fee. Prerequisite(s): Major in biological sciences, biochemistry, or neuroscience.

BIOS 199. Introduction to Research. 1 hour.
An introduction to research for students interested in becoming biology majors. Credit is contingent on approval by the research supervisor of a written report that is also submitted to the Biology colloquium faculty adviser. Course Information: 1 hour. Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Laboratory.

BIOS 220. Genetics. 3 hours.
Principles of genetics, gene and chromosome structure, gene expression, inheritance of complex traits, Mendelian and non-Mendelian inheritance, genomes, and genetic engineering. Course Information: Prerequisite(s): BIOS 100 or BIOS 110; and BIOS 101 or BIOS 120. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Lecture.

BIOS 222. Cell Biology. 3 hours.
The physiological processes that govern cell function. Topics include enzyme kinetics, metabolism, membranes, membrane transport, electrical and chemical signaling, intracellular motors, motility, and junctions. Prerequisite(s): BIOS 100 or BIOS 110.

BIOS 230. Evolution and Ecology. 3 hours.
Molecular and ecological basis of evolutionary change through adaptation or natural selection to explain diversity of species, behaviors, populations, communities and ecosystems and how these interactions are affected by the changing environment. Prerequisite(s): BIOS 101 or BIOS 120.

BIOS 236. Animal Behavior. 3 hours.
Examine the proximate and ultimate causes of animal behavior; neural and hormonal mechanisms; diversity of behavior and their relationship to an organism's ecology and evolution. Course Information: Prerequisite(s): BIOS 101 or BIOS 120.

BIOS 237. The Human Skeleton. 4 hours.
Examination of the human skeleton, emphasizing bone identification and functional anatomy. Course Information: Same as ANTH 237. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

BIOS 272. Comparative Vertebrate Anatomy. 4 hours.
Comparative vertebrate anatomy through the analysis of varying morphological features of hard and soft tissues. Course Information: Animals used in instruction. Prerequisite(s): BIOS 100 or BIOS 110; and BIOS 101 or BIOS 120. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

BIOS 286. The Biology of the Brain. 3 hours.
Survey of basic neurobiology. Brain structure, chemistry, development and control of behavior (sensation, movement, emotions, memory, cognition, sex). Course Information: Prerequisite(s): BIOS 100 or BIOS 110.

BIOS 386. Seminar on Neurobiology. 2 hours.
Reading and discussion of both classic and recent research papers that are important in neurobiology. Course Information: Prerequisite(s): BIOS 286 or PSCH 262.

BIOS 391. Independent Study. 1 hour.
Individual study not covered in standard courses under close supervision of a faculty member. Credit is contingent on approval by research supervisor of a written report that is submitted to the department. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. A maximum of 5 hours of BIOS 391 and/or BIOS 399 may be credited toward the department undergraduate major requirements. Prerequisite(s): Minimum of 2.00 grade point average in biological sciences courses and consent of the instructor. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

BIOS 399. Independent Research. 2 hours.
Individual research. Credit is contingent on approval by the research supervisor of a written report that is submitted to the department. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. A maximum of 5 hours of BIOS 391 and/or BIOS 399 may be credited toward the department undergraduate major requirements. Prerequisite(s): Minimum of 2.00 grade point average in biological sciences courses, approval of the department, and consent of the instructor. Recommended background: Junior standing. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

BIOS 416. Natural Products. 3 or 4 hours.
Biogenetic approach to secondary metabolites. General principles and selected studies of phenolic compounds, terpenes, alkaloids, and other interesting natural products. Course Information: Same as CHEM 456. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): One year of organic chemistry.

BIOS 420. Genomics. 3 hours.
Theoretical background in genomics with practical experience in obtaining and analyzing large scale Next Generation Sequencing (NGS) datasets using high capacity computational resources. Course Information: Extensive computer use required. Prerequisite(s): BIOS 220 or BIOS 230; or consent of the instructor. Recommended background: STAT 101 or STAT 130 or BIOS 112.

BIOS 427. Ecosystem Ecology. 3 or 4 hours.
Flow of energy and matter between the environment and biological organisms including bioological interactions that govern the cycling of water, carbon and nutrients at various spatial and temporal scales. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): BIOS 230.

BIOS 430. Evolution. 4 hours.
Focuses on empirical evolutionary data and theory, with an intro to data science, modeling, simulations in R programming language; it covers the history of evolution, population genetics, the species problem, biodiversity, macroevolution. Course Information: Extensive computer use required. Prerequisite(s): BIOS 120 AND either BIOS 220 or consent of the instructor. Recommended background: BIOS 230. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

BIOS 431. Plant and Animal Interactions. 3 hours.
Ecology of plant and animal interactions. In-depth reading and discussion of primary literature on herbivory and plant defense and pollination, seed dispersal and protection mutualisms. Course Information: Prerequisite(s): BIOS 230.

BIOS 435. Plant Evolution. 3 hours.
Examines the history of plant life in a rigorous survey of plant genetics, factors that influence diversity of form and function, the astonishing diversity of plant sexual systems, and conservation. Course Information: Prerequisite(s): BIOS 230.

BIOS 437. Topics in Tropical Ecology. 3 hours.
Introduction to the character of tropical ecosystems. In-depth reading and discussion of one or more current topics. Course Information: Prerequisite(s): BIOS 230.

BIOS 443. Animal Physiological Systems Laboratory. 3 hours.
Discussion and laboratory exploration of mammalian physiological systems, including immune, endocrine, cardiac, vascular, nervous, pulmonary, renal, and digestive systems. Course Information: Animals used in instruction. Prerequisite(s): Credit or concurrent registration in BIOS 343; or Credit or concurrent registration in BIOS 340; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture, one Laboratory, and one Lecture-Discussion.

BIOS 446. Evolution and Human Disease. 3 hours.
Pathogen evolution, transmission of infectious disease, host response to pathogens, drug resistance in pathogens, and cancer progression/treatment are examined in light of natural selection, phylogenetics, coevolution, and population genetics. Course Information: Prerequisite(s): BIOS 230. Recommended background: BIOS 220.

BIOS 450. Advanced Microbiology. 3 hours.
Comprehensive analysis of metabolic, ecological, genomic, and functional diversity among the major groups of microorganisms. Relationship between microbial diversity and biogeochemistry in the environment, human/animal hosts, and engineered systems. Course Information: Prerequisite(s): BIOS 350.

BIOS 452. Biochemistry I. 4 hours.
Chemistry of proteins, nucleic acids, carbohydrates and lipids. Course Information: Same as CHEM 452. Prerequisite(s): Grade of C or better in CHEM 230; or Credit or concurrent registration in CHEM 234. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

BIOS 454. Biochemistry II. 4 hours.
Continues Biological Sciences 452. Carbohydrate and lipid metabolism, electron transport. Metabolism of amino acids, nucleic acids, proteins. Biosynthesis of macromolecules and regulation of macromolecular synthesis. Course Information: Same as CHEM 454. Prerequisite(s): BIOS 452 or CHEM 452. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

BIOS 455. Introduction to Landscape Ecology. 3 hours.
Uses a combination of lectures, discussions, and hands-on activities to introduce the concepts and methods of landscape ecology. We will discuss how landscape ecology can be applied to solving current environmental problems. Course Information: Extensive computer use required. Prerequisite(s): BIOS 230; or BIOS 331.

BHIS 406. Medical Terminology for Health Information Management. 2 hours.
An Introduction to medical terminology and pharmacology, necessary to understanding the use of clinical vocabularies and classification systems in health information systems. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught fully online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Restricted to students in the Department of Biomedical and Health Information Sciences or consent of the Instructor.

BHIS 410. Health Data Structures and Management. 3 hours.
Data structures in clinical information systems, including database design and management, networking and security. Emphasis on "intrapreneurial" skills required to solve organizational information management problems. Course Information: Prerequisite(s): BHIS 460 and BHIS 461 and BHIS 480.

BHIS 428. Consumer Health: Engaging Patients Through Technology. 3 hours.
Provides an opportunity to apply patient engagement frameworks through mixed method assessment of health information accessed using health information technology. Course Information: Extensive computer use required. Extensive computer use required. Course is offered over 16 weeks for undergraduate students.

BHIS 433. Principles of Evidence-Based Health Care. 2 hours.
Qualitative and quantitative assessment of human subject clinical research: locating, evaluating, comparing scientific papers as bases for health care education and practice. Course Information: Same as MHPE 433. Prerequisite(s): Graduate or professional standing and approval of the school.

BHIS 437. Health Care Data. 3 hours.
Review of data types in a health care information system. How data is transformed into information and then again transformed into knowledge through integrated computer systems. Course Information: Taught online only. A UIC netid is required. Prerequisite(s): Graduate standing or consent of the instructor.

BHIS 460. Introduction to Health Informatics. 1 hour.
Introduction to information technology and systems in a healthcare setting. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): Credit or concurrent registration in HIM 410 or equivalent experience. Students should demonstrate basic computing skills including knowledge of an office productivity suite (MS Office or other), electronic mail, and Internet browsers. Recommended background: IDS 200 or the equivalent.

BHIS 461. Information Systems for Health Information Management. 2 hours.
Advanced topics in information technology and systems in a health care setting; collection, analysis and management of health care data; special issues related to the role of health information administrators. Course Information: Extensive computer use required. Prerequisite(s): IDS 200 and credit or concurrent registration in BHIS 460. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

BHIS 480. Management and Business Practices. 3 hours.
Principles of management with emphasis on business functions, procedures, and organizational structure as applied to various health care settings including private and institutional practice. Course Information: Prerequisite(s): Advanced undergraduate or graduate standing in the Department of Biomedical and Health Information Sciences or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Lecture.

BHIS 499. Information Sources in Biomedical & Health Information Sciences. 1 hour.
Prepares students to locate, interpret and evaluate pertinent research information sources. Course Information: Meets eight weeks of the semester. Extensive computer use required. Taught fully online. Students must have an active UIC netid with valid password and access to a computer and the internet. Prerequisite(s): Junior standing or above required; or consent of the instructor.

Biomedical Engineering (BME)

Courses

BME 101. Introduction to Biomedical Engineering. 3 hours.
Principles, practice, and the role of biomedical engineers in science, engineering, and commercialization of medical products. Professional ethics, career paths, introduction to graphical design tools and instrumentation. Course Information: Credit is not given for BME 101 if the student has credit in BIOE 101. Previously listed as BIOE 101.

BME 102. Biomedical Engineering Freshman Seminar. 1 hour.
Exposure to biomedical engineering research through attendance of graduate student seminars followed by faculty-mediated discussion. Writing seminar summaries, student shadowing, articulating long-term goals, and planning an academic trajectory. Course Information: Satisfactory/Unsatisfactory grading only. Previously listed as BIOE 102. Restricted to first year Biomedical Engineering students (freshmen or transfer students).

BME 194. Special Topics in Biomedical Engineering I. 1-5 hours.
Special topics to be arranged. Course topics aimed at first-year students. Course Information: May be repeated. Students may register in more than one section per term.

BME 205. Biomedical Engineering Thermodynamics. 3 hours.
Introduction to equilibrium and non-equilibrium thermodynamics, with emphasis on non-equilibrium (living) systems. Applications include thermodynamics of living cells and the lung, molecular energy exchange, and energy exchange in exercise. Course Information: Previously listed as BIOE 205. Credit is not given for BME 205 if the student has credit in BIOE 205 or CHE 201 or ME 205. Prerequisite(s): PHYS 141.

BME 240. Modeling Physiological Data and Systems. 3 hours.
Computational tools and techniques for models and statistics used to describe, interpret and analyze physiological data and systems. Time series, image and population data types. Course Information: Previously listed as BIOE 240. Credit is not given for BME 240 is students have credit for BIOE 240. Prerequisite(s): BIOS 110; and MATH 180; and CS 109.

BME 410. FDA and ISO Requirements for the Development and Manufacturing of Medical Devices. 3 or 4 hours.
FDA Performance Standard for General Medical Devices for manufacturing and development engineers. Product requirement definition, design control, hazard analysis, failure mode and effect analysis, regulatory submission, product tests, ISO 9001. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 410. Prerequisite(s): BIOE 250 or BME 250; and junior standing or above.

BME 415. Biomechanics. 3 or 4 hours.
Continuum mechanics of cells, tissues and organs. Statics and force balances; stress, strain and constitutive relations; equilibrium, universal solutions and inflation; finite deformation; nonlinear problems; finite element methods. Course Information: 3 undergraduate hours. 4 graduate hours. Credit is not given for BME 415 if the student has credit in BIOE 415. Previously listed as BIOE 315. Prerequisite(s): BIOE 310 or BME 310.

BME 421. Biomedical Imaging. 3 or 4 hours.
Introduction to engineering and scientific principles associated with X-ray, magnetic resonance, ultrasound, computed tomographic and nuclear imaging. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 421. Credit is not given for BME 421 if the student has credit in BIOE 421. Prerequisite(s): MATH 220 and MATH 310.

BME 422. Magnetic Resonance Imaging: Theory and Practice. 3 or 4 hours.
Fundamental priciples of magnetic resonance imaging (MRI) from a signal processing perspective. Focus on image acquisition, formation, and analysis. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 422. Prerequisite(s): BIOE 310 or BME 310 or ECE 310.

BME 423. Biomedical Imaging Laboratory. 2 hours.
Acquisition and processing of biomedical imaging data. Relaxation time-based magnetic resonance imaging, motion sensitive magnetic resonance imaging, computed tomography, ultrasound, nuclear medicine imaging and optical imaging. Course Information: Previously listed as BIOE 423. Extensive computer use required. Prerequisite(s): Credit or concurrent registration in BIOE 421 or BME 421.

BME 432. Bioinstrumentation and Measurements II. 3 or 4 hours.
Principles of bioinstrumentation for the assessment of physiological function and therapeutic intervention. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 432. Prerequisite(s): BME 332.

BME 433. Bioinstrumentation and Measurements II Laboratory. 1 hour.
Laboratory experiments using instruments to assess physiological function. Course Information: Previously listed as BIOE 433. Prerequisite(s): Credit or concurrent registration in BME 432.

BME 439. Biostatistics II. 4 hours.
Statistical treatment of data, model estimation, and inference are treated in a framework of biological experiments and attributes of data generated from such experiments. Course Information: Credit is not given for BME 439 if the student has credit for BSTT 400. Previously listed as BIOE 439. Extensive computer use required. Prerequisite(s): BIOE 339 or BME 339. Recommended background: Knowledge of MATLab.

BME 450. Molecular Biophysics of the Cell. 4 hours.
Introduction to force, time energies at nanometer scales; Boltzmann distribution; hydrodynamic drag; Brownian motions; DNA, RNA protein structure and function; sedimentation; chemical kinetics; general aspects of flexible polymers. Course Information: Prerequisite(s): PHYS 245 or the equivalent; or approval of the department.

BME 452. Biocontrol. 3 or 4 hours.
Considers the unique characteristics of physiological systems using the framework of linear systems and control theory. Static and dynamic operating characteristics, stability, and the relationship of pathology to control function. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 452. Prerequisite(s): BIOE 310 or BME 310.

BME 455. Introduction to Cell and Tissue Engineering. 3 or 4 hours.
Foundation of cell and tissue engineering covering cell technology, construct technology, and cell-substrate interactions. Emphasis in emerging trends and technologies in tissue engineering. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 455. Prerequisite(s): BIOE 460 or BME 460; and BIOS 320 or BIOS 343 or BIOS 452.

BME 456. Cell & Tissue Laboratory. 2 hours.
Includes polymer scaffold fabrication, microstamping biomolecules, cellular adhesion and proliferation assays, and immo/fluorescent tagging. Course Information: Previously listed as BIOE 456. Prerequisite(s): Credit or concurrent registration in BIOE 455 or Credit or concurrent registration in BME 455; or consent of the instructor.

BME 460. Materials in Biomedical Engineering. 3 or 4 hours.
Analysis and design considerations of problems associated with prostheses and other implanted biomedical devices. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 460. Prerequisite(s): CME 260; and BIOS 220 or BIOS 222 or BIOS 286 or BIOS 340 or PSCH 262 or CHEM 232.

BME 462. Introduction to Dental Clinical Research and Technology. 3 or 4 hours.
Dental implants, biomaterials, biomechanics, tissue engineering, oral surgery, orthodontics, endodontics, nanomedicine, simulators and ADEA certifications, digital dentistry, virtual and augmented reality. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): CME 260; or consent of the instructor.

BME 470. Biomedical Optics. 3 or 4 hours.
Physical principles and instrumentation relevant to the use of light in biomedical research. Several current and developing clinical applications are explored. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as BIOE 470. Prerequisite(s): PHYS 142.

BME 471. Biomedical Optical Imaging. 3 or 4 hours.
Fundamentals of light-matter interactions, geometric optics, nonlinear optics, ultra-fast lasers, photodetectors, light microscopy, supper-resolution imaging, photoacoustic tomography, optical coherence tomography, functional optical imaging. Course Information: 3 undergraduate hours. 4 graduate hours. Credit is not give for BME 471 if the student has credit in BIOE 471. Previously listed as BIOE 471. Prerequisite(s): PHYS 142 and BIOS 110.

Biostatistics (BSTT)

Courses

BSTT 400. Biostatistics I. 4 hours.
Descriptive statistics, basic probability concepts, one- and two-sample statistical inference, analysis of variance, and simple linear regression. Introduction to statistical data analysis software. Course Information: Enrollment restricted to public health students and healthcare administration students; other graduate, professional and advanced undergraduate students admitted by consent as space permits. To obtain consent, see the SPH registrar.

BSTT 401. Biostatistics II. 4 hours.
Simple and multiple linear regression, stepwise regression, multifactor analysis of variance and covariance, non-parametric methods, logistic regression, analysis of categorical data; extensive use of computer software. Course Information: Prerequisite(s): BSTT 400.

BSTT 402. Health Policy for Epidemiologists and Biostatisticians. 1 hour.
Epidemiological data and biostatistics provide the evidence to support the development and justification of policies. Public health policy interventions, factors influencing political and social environments and the evaluation of policy-making. Course Information: Same as EPID 402.

BSTT 413. Introduction to Data Analysis w/ R. 2 hours.
An introductory overview of statistical programming using R in the context of describing and analyzing public health data. Course Information: Extensive computer use required. Recommended background: BSTT 400; or IPHS 402.

BSTT 426. Health Data Analytics Using Python Programming. 3 hours.
Covers methodologies of online data collection by Python Programming. Topics include: introduction to Python, Information retrieval Techniques, Retrieving and analyzing information from medical data sources, IBM Bluemix. Course Information: Extensive computer use required. Prerequisite(s): No prerequisites except that some very basic understanding of programming in SAS or R or some other programming language is needed along with basic analytical knowledge. Motivation to learn programming concepts is key. Recommended Background: IPHS 402 or EPID 406 or BSTT 494.

BSTT 494. Introductory Special Topics in Biostatistics. 1-4 hours.
Special topics in biostatistics. Content varies. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

Black Studies (BLST)

Courses

BLST 100. Introduction to Black Studies. 3 hours.
The Black experience, focusing on African and African American culture, the slave trade, slavery and emancipation in the Americas, 20th and 21st century social relations, and struggles for civil rights. Course Information: Previously listed as AAST 100. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and US Society course*.

BLST 101. Introduction to Black Diaspora Studies. 3 hours.
Introduction to the historical and contemporary dispersal of people from the African continent around the globe beginning in the 15th century to the present. Course Information: Previously listed as AAST 101. *Past course, and World Cultures course*.

BLST 103. Black Politics and Culture in the United States. 3 hours.
The shifting relationship between black politics and black cultural forms across various historical periods. Course Information: Same as POLS 112. Previously listed AAST 103. *Individual and Society course, and US Society course*.

BLST 104. Race, Place, and Schooling: Black Americans and Education. 3 hours.
Examination of the social, political, cultural, and economic factors shaping Black Americans' educational experiences in the United States histprically and currently. Course Information: Same as EDPS 104. Previously listed as AAST 104. *Individual and Society course, and US Society course*.

BLST 105. Black Film, 1900 - Present: Images, Individuals and Ideas on Screen. 3 hours.
Examination of the history of black people in film – looking both at films by black people in the United States and the diaspora, and at the relationship between black filmmakers, performers, and audiences to national and global film industries. Course Information: Same as COMM 105 and MOVI 105. Previously listed as AAST 105. *Creative Arts course, and US Society course*.

BLST 110. Introduction to African American Literature, 1760-1910. 3 hours.
Comprehensive survey, 1760-1910, from earliest folk roots to formal literary tradition. Course Information: Same as ENGL 118. Previously listed as AAST 110. *Creative Arts course, and US Society course*.

BLST 111. Introduction to African American Literature Since 1910. 3 hours.
Comprehensive survey of African American literature from 1910 to the present. Course Information: Same as ENGL 119. Previously listed as AAST 111. *Creative Arts course, and US Society course*.

BLST 125. Black Religious Traditions. 3 hours.
Introduction to the religious history of black people in the United States and the diaspora. Examination of religious institutions, the role of religion in black social and political movements, mass rebellions, and revolts. Course Information: Same as RELS 125. Previously listed as AAST 125. *Past course, and US Society course*.

BLST 191. African and Caribbean Francophone Literature in Translation. 3 hours.
An introduction to the Francophone literature of Africa and the Caribbean and to its historical and cultural contexts. Course Information: Same as FR 191. Previously listed as AAST 191. *Creative Arts course, and World Cultures course*.

BLST 206. Black Studies and the Production of Knowledge. 3 hours.
Students will explore the history and implications of research in a wide range of fields and gain an introduction to anti-racist, decolonial, and feminist approaches to knowledge production. Course Information: Previously listed as AAST 206. Prerequisite(s): Three credit hours in Black Studies; or consent of the instructor.

BLST 207. Racism: Global Perspectives. 3 hours.
An introduction to global, transnational, and comparative perspectives on racism. Analysis of race and racism not only in the United States, but also in Africa, the Middle East, Latin America, Europe, and other contexts. Course Information: Same as SOC 207. Previously listed as AAST 207. Prerequisite(s): ENGL 160 or ENGL 161. *Individual and Society course, and World Cultures course*.

BLST 265. Harlem Renaissance. 3 hours.
The intellectual, cultural, and artistic expressions among African Americans from 1912 to 1933, with an emphasis on the literary texts and social history. Course Information: Same as ENGL 265. Previously listed as AAST 265. Prerequisite(s): Grade of C or better in BLST 100; and Grade of C or better in BLST 110 or Grade of C or better in BLST 111; or consent of the instructor. *Past course, and US Society course*.

BLST 266. Topics in African Literature. 3 hours.
Examination and analysis of selected works of African literature, history, and criticism. Topics will vary. Course Information: Same as ENGL 266. May be repeated. Previously listed as AAST 266.

BLST 270. African Art. 3 hours.
Survey of the arts of the major tribal cultures of Sub-Saharan Africa. Course Information: Same as AH 270. Previously listed as AAST 270. Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor. *Creative Arts course, and World Cultures course*.

BLST 271. Race and the Politics of Incarceration. 3 hours.
Examines how incarceration and criminalization affects black people in contemporary society. Course Information: Same as CLJ 271 and SOC 271. Previously listed as AAST 271. Prerequisite(s): Grade of C or better or concurrent registration in BLST 100 or Grade of C or better or concurrent registration in SOC 100 or Grade of C or better in CLJ 101. *Individual and Society course, and US Society course*.

BLST 272. Race, Gender, and Sexuality. 3 hours.
Explores how Black feminist and queer intellectual work on race, gender and sexuality has been used to radically reimagine what a just world would look like. Course Information: Same as GWS 272. Previously listed as AAST 272. Prerequisite(s): Credit or concurrent registration in ENGL 161. *Individual and Society course, and US Society course*.

BLST 274. The Politics of Blackness in Latin America. 3 hours.
Examines race, culture, and politics in Latin America from historical and contemporary perspectives with a particular emphasis on the latter half of the 20th century and the beginning of the 21st century. Course Information: Same as LALS 274 and POLS 274. Recommended background: Three credit hours in BLST or LALS or POLS.

BLST 294. Topics in Black Studies. 3 hours.
Selected topics in Black Studies. Specific topics are announced each term. Course Information: May be repeated to a maximum of 6 hours. Students may register for more than one section per term. Previously listed as AAST 294.

BLST 306. Black Politics in the United States. 3 hours.
Historical analysis of Black electoral politics in the U.S., including traditional political party participation and movement politics. Course Information: Same as POLS 311. Previously listed as AAST 306. Prerequisite(s): Three courses in political science, history or sociology; or consent of the instructor.

BLST 351. Topics in Black Art and Literature. 3 hours.
Study of literature and the other arts in the context of the African diaspora. Topics vary. Course Information: Same as ENGL 351. May be repeated to a maximum of 6 hours if topics vary. Previously listed as AAST 351. Prerequisite(s): Introductory course in Black Studies or English; or consent of the instructor.

BLST 356. Constitutional Law: Women, Gender and Privacy. 3 hours.
A multidisciplinary examination of U.S. constitutional law and politics in shaping issues of gender, privacy, race, and sexual orientation; including reproduction, labor, sexual harassment, political participation, and women and crime. Course Information: Same as GWS 356 and POLS 356. Previously listed as AAST 356. Prerequisite(s): Grade of C or better in POLS 101 or Grade of C or better in POLS 112; or Grade of C or better in BLST 100 or Grade of C or better in BLST 103; or Grade of C or better in GWS 101; or consent of the instructor.

BLST 358. Constitutional Law: African-American Legal History. 3 hours.
Survey of the African-American constitutional experience from the 1600s to the present, focusing on landmark decisions of the United States Supreme Court. Course Information: Same as POLS 358. Previously listed as AAST 358.

BLST 394. Special Topics in Black Studies. 3 hours.
Selected advanced topics in Black Studies. Specific topics are announced each term. Course Information: May be repeated to a maximum of 6 hours. Students may register for more than one section per term. Prerequisite(s): BLST 100; or consent of the instructor.

BLST 398. Independent Study: Special Topics. 1-3 hours.
Selected topics for individual research. Course Information: May be repeated to a maximum of 8 hours. Previously listed as AAST 398. Prerequisite(s): Consent of the instructor and departmental approval.

BLST 401. Senior Seminar in Black Studies. 3 hours.
Through weekly readings, discussions, and assignments, students will be guided through a hands-on process of developing a senior project within a small, supportive and dynamic learning community. Course Information: Previously listed as AAST 401. Prerequisite(s): BLST 206; and senior standing or above; or consent of the instructor.

BLST 406. Topics in Black Feminist and Queer Studies. 3 or 4 hours.
Advanced study of topics related to theories of race, gender and sexuality with a specific focus on black feminist and queer studies. Topics may vary. Course Information: Same as GWS 406. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and one 100-level course in Black Studies or one 100-level course in Gender and Women's Studies; or consent of the instructor.

BLST 407. Seminar in Comparative Racialization. 3 or 4 hours.
Provides an interdisciplinary and comparative approach to the making and remaking of "race" and the resultant racialized experiences of different groups in the U.S. and globally. Course Information: Same as SOC 407. 3 undergraduate hours. 4 graduate hours. Previously listed as AAST 407. Prerequisite(s): BLST 207 or SOC 207 or BLST 225 or SOC 225 or LALS 225; and senior standing or above; or consent of the instructor.

BLST 408. Global Black Feminisms. 3 or 4 hours.
Examines transnational, Third Wave and Third World Black feminist approaches to global politics from historical and contemporary perspectives with a particular emphasis on the late 20th century and the beginning of the 21st century. Course Information: Same as GWS 408 and LALS 408. 3 undergraduate hours. 4 graduate hours. Recommended background: Undergraduate students: at least three credit hours in BLST or GWS or LALS.

BA 299. Business Administration Study Abroad. 0-18 hours.
Provides credit for foreign study. Student's proposal for study abroad must have prior approval of CBA Undergraduate Student Services. Final determination of credit is made on the student's completion of the work. Course Information: May be repeated for a maximum of 48 hours of credit. May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year. Prerequisite(s): Requires approval of the Study Abroad Office and College of Business Administration Undergraduate Student Services. Class Schedule Information: Study Abroad. Foreign travel required.

BA 300. Advanced Managerial Communications. 3 hours.
Advanced study of business communication, including practice in the writing of case studies and reports. Course Information: Prerequisite(s): BA 200.

BA 320. Civic Engagement. 1 hour.
Each semester, the class will be themed on a city-wide issue (homelessness, hunger, education, etc.). We will partner with a local non-profit, that addresses the chosen theme, to provide a direct service opportunity and guest lecturers for the class. Course Information: Meets eight weeks of the semester. Prerequisite(s): BA 100 and BA 220; and junior standing or above.

BA 330. Analysis of Firms, Markets, and Industries for Business Decision Making. 3 hours.
Analysis of consumer and resource markets; firm production and costs; industry structure, competition, strategy and government regulation and development of managerial decision making skills. Course Information: Credit is not given for BA 330 if the student has credit in ECON 220. Extensive computer use required. Prerequisite(s): ECON 120; and MATH 165 or MATH 160 or MATH 125.

BA 351. Legal Environment of Business. 3 hours.
Introduces students to the legal, political and regulatory controls that define and limit business practice opportunities. The interaction of law, politics and ethics are emphasized. Course Information: Credit is not given for BA 351 if student has credit in ACTG 355. Prerequisite(s): Credit or concurrent registration in BA 200 and MGMT 350.

BA 395. Assessment Experience. 0 hours.
Students will complete a day long program to assess learning outcomes, through a test, simulations, individual case analysis, verbal communication exercises, team presentation and teamwork skills designed to assess program learning results. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Open only to juniors and seniors.

BA 420. Professional Presence. 3 hours.
Workshop style, experiential course using simulations and adapted theater exercises of graduating difficulty that teach students to refine their professional presence. Course Information: Previously listed as ACTG 420.

BA 489. Business Internship Program II. 0-3 hours.
Business internships provide both graduate and undergraduate professional and practical work experience in their field of study and career choice. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Prerequisite(s): Full-time status, admission into the College of Business Administration, good academic standing at UIC, and consent of the director of the Business Career Center.

BA 490. International Student Exchange Program. 0-18 hours.
The Student Exchange Program enables the reciprocal exchange of students between UIC and colleges or universities in other countries. There are a variety of programs tailored to meet the needs of both graduate and undergraduate students. Course Information: May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year. Determination of the number of credits to be granted is part of the proposal approval process. Students from other UIC Colleges and Schools are eligible for the program. For more information, visit the website at http://www.uic.edu/depts/oia/resources-student/studentexchange.html. Prerequisite(s): Junior standing or above and approval of the student's major department, the CBA College Office and the Office of International Affairs.

BA 494. Special Topics in Business Administration. 1-4 hours.
Exploration of topics in Business Administration not covered in existing offerings or study of selected topics in greater depth. Subject matter will vary by offering. Course Information: May be repeated if topics vary. Students may register for more than one section per term.

BA 495. Business Strategy. 3 hours.
Strategic management and business policy formulation and implementation. Students will utilize knowledge from all functional areas of business to formulate business strategy and implementation plans through case analysis (may include simulation). Course Information: Extensive computer use required. Prerequisite(s): ACTG 210 and ACTG 211 and BA 200 and ECON 218 and IDS 200 and IDS 270; and IDS 355 and FIN 300 and MGMT 340 and MGMT 350 and MKTG 360; and senior standing or above.

Campus Courses (CC)

Courses

CC 100. Registration Placeholder Course. 0 hours.
Special administrative course created to represent a temporary placeholder registration for students wishing to drop their only course registration for a term and add a new course registration for the same day and time. Course Information: Intended as a course used to facilitate registration only. Must be added by the Office of Registration and Records.

CC 175. Student Resource Center. 0 hours.
Information to help students be successful in an online environment. Tutorials on Blackboard learning management system, access to the bookstore and library, course and program information, and success strategies for adult learners. Course Information: Satisfactory/Unsatisfactory grading only. Placeholder course used for Blackboard resource center information access only. This course is NOT graded and rolled to academic history; does not appear on a transcript.

CC 250. Survey of American Law. 3 hours.
Provides an overview of several substantive current legal issues and how to read and study the law. Course Information: Co-requisite(s): CC 251.

CC 251. Legal Analysis and Communication. 3 hours.
Simulation of the work of an attorney including critical reading and thinking, legal writing and organization, analysis of law, and client interview skills. Course Information: Co-requisite(s): CC 250.

CEES 320. Great Stories from Central and Eastern Europe. 3 hours.
Shorter works of fiction written by Nobel Laureates and other great writers from Central and Eastern Europe read in English translation. Course Information: Taught in English.

CEES 323. Modernism in Central and Eastern Europe. 3 hours.
Exploration of key Central and Eastern European contributions to literary modernism approached from a comparative perspective. Course Information: Taught in English. Prerequisite(s): Sophomore standing or above.

CEES 400. A Survey of Central and Eastern Europe. 3 or 4 hours.
An interdisciplinary historical and cultural overview of Central and Eastern Europe. Course Information: 3 undergraduate hours. 4 graduate hours.

CEES 406. History of European Standard Languages. 3 or 4 hours.
The phenomenon of the "standard language" in Western and Eastern Europe. Course Information: Same as LCSL 406 and LING 406. 3 undergraduate hours. 4 graduate hours. Taught in English. Previously listed as CEES 405. In cases where students speak languages other than English, they might receive tasks to research literature in that language (and on that language) and to present their research results. Prerequisite(s): Junior standing or above; and consent of the instructor.

CEES 411. The City as Cultural Focus. 3 or 4 hours.
Interdisciplinary study of urban culture with focus on German-speaking countries. Course Information: Same as GER 411. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Taught in English. No knowledge of German required. Students who intend to use GER 411 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. Prerequisite(s): For majors and minors in the Department of Germanic Studies only: GER 212 or the equivalent or consent of the instructor.

CEES 418. Topics in German History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 418. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of European history, or consent of the instructor.

CEES 433. Topics in Eastern European History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 433. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of European history or consent of the instructor.

CEES 435. Topics in Russian History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 435. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of European history or consent of the instructor.

CEES 438. The Faust Legend. 3 or 4 hours.
Discusses Goethe's Faust within the context of European and non-European literatures. Traces the origins, significance, and interpretation of the Faust figure. Course Information: Same as GER 438. 3 undergraduate hours. 4 graduate hours. Taught in English. Area: literature/culture.

CEES 439. Gender and Cultural Production. 3 or 4 hours.
Issues of gender representation and gender politics examined through the use of theoretical texts or through the study of women authors. Course Information: Same as GER 439 and GWS 439. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s) if topics vary. Taught in English. Students who intend to use GER 439 toward a degree offered by the Department of Germanic Studies will do assignments in German. Area: literature/culture. Prerequisite(s): GER 212 or consent of the instructor.

CEES 460. Topics in Central and Eastern European Literature and Culture. 3 or 4 hours.
Study of a time period, movement, genre, or special topic. Course Information: 3 undergraduate hours. 4 graduate hours. Same as SLAV 460. May be repeated up to 2 time(s), with consent of the instructor, and if topics vary. Prerequisite(s): Junior standing or above; or consent of the instructor.

Chemical Engineering (CHE)

Courses

CHE 101. Introduction to Chemical Engineering Concepts. 3 hours.
Overview of engineering and chemical principles used in chemical engineering technology. Thermodynamics, transport phenomena, and reaction engineering applied to process and product design. Course Information: Prerequisite(s): Credit or concurrent registration in MATH 180; and Credit or concurrent registration in CHEM 122 and Credit or concurrent registration in CHEM 123.

CHE 150. Climate Engineering for Global Warming. 3 hours.
Overview of the engineering perspective on climate change and strategies to engineer the earth's climate and mitigate risks associated with global warming. *Natural World - No Lab course*.

CHE 201. Introduction To Thermodynamics. 3 hours.
Work and energy; conversion of energy; theory of gases and other states of matter; applications to energy conversion devices. Second Law of thermodynamics, entropy, and equilibrium, with applications. Course Information: Prerequisite(s): MATH 181 and PHYS 141. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

CHE 205. Computational Methods in Chemical Engineering. 3 hours.
Computational methods and software relevant to unit operations. Excel spreadsheets (curve fitting, heat conduction), Matlab, Aspen Plus (process simulation), algorithms and object oriented concepts in chemical engineering. Course Information: Prerequisite(s): Credit or concurrent registration in CHE 201; and credit or concurrent registration in MATH 210.

CHE 210. Material and Energy Balances. 4 hours.
Material and energy balances applied to chemical systems. Introduction to chemical and physical properties. Introduction to the use of computers for chemical process calculations. Course Information: Prerequisite(s): Credit or concurrent registration in CHE 201; and credit or concurrent registration in CHE 205.

CHE 230. Molecular Systems in Chemical Engineering. 3 hours.
Introduction to fundamental concepts in molecular engineering and materials chemistry; properties of molecular systems and applications of macromolecules, bio-macromolecules and nanomaterials in energy, medicine, environment and technology. Course Information: Prerequisite(s): CHEM 232.

CHE 427. Entrepreneurship in Engineering. 0-4 hours.
Fundamentals of entrepreneurship and technology commercialization for engineers. Introduction to intellectual property, marketing studies, business development, pitching new technology ideas to investors, guidelines for starting a business. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

CHE 433. Process Simulation With Aspen Plus. 3 or 4 hours.
Application of Aspen Plus to design, modeling and simulation of process flow sheets. Property models, unit operations, heat integration and pinch analysis, electrolytes, nonconventional solids (e.g., coal), computational aspects. Course Information: CHE 312 and CHE 313 and CHE 321; or consent of the instructor.

CHE 438. Computational Molecular Modeling. 3 or 4 hours.
Provide students with a fundamental understanding of the methods, capabilities and limitations of molecular simulations. Course Information: Same as MENG 412. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): CHE 301. Recommended background: Engineering/Science.

CHE 440. Non-Newtonian Fluids. 3 or 4 hours.
Fluid mechanics and transport processes involving non-Newtonian fluids. Purely viscous and viscoelastic behavior. Viscometric functions and rheometry. Heat and mass transfer in non-Newtonian fluids. Course Information: Same as MENG 411. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CHE 410 or MENG 410 or consent of the instructor.

CHE 441. Computer Applications in Chemical Engineering. 3 or 4 hours.
Nonnumerical applications of computers: artificial intelligence and expert systems for chemical engineering design and online diagnosis; data acquisition and control for digital process control; process design calculations. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Senior standing in chemical engineering.

CHE 450. Air Pollution Engineering. 3 or 4 hours.
Environmental aspects of combustion processes, pollutant formation. Control of pollutants and particulates. Air quality control. Fundamentals of combustion. Course Information: Same as ME 450. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ME 321 or consent of the instructor.

CHE 451. Renewable Energy Technologies. 3 or 4 hours.
Fundamentals of renewable energy technologies; solar, wind, biomass. Introduction to energy storage technologies; batteries and fuel cells, and analysis of the hydrogen economy. Course Information: 3 undergraduate. 4 graduate hours.

CHE 453. Fundamentals of Electrochemistry. 3 or 4 hours.
Introduction to the fundamentals of electrochemistry and its application in a variety of technologies (i.e., batteries, fuel, cells, electrolysis cells). Includes methods for the analysis of cells using electrochemical techniques. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

CHE 454. Molecular and Macromolecular Engineering. 3 or 4 hours.
Advanced course in polymer science and engineering. Polymerization, polydispersity, molecular configuration, solution properties, thermodynamics, glass and rubbery states, crystallization, viscoelasticity, elastic properties, multiphase systems. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CHE 330.

CHE 455. Nanoscale Systems in Chemical Engineering. 3 or 4 hours.
Basic principles associated with nanoscience and nanotechnology; fabrication and synthesis, size dependent properties, characterization; applications of materials at nanometer length scales; emphasis on recent technological breakthroughs. Course information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CHE 230.

CHE 456. Fundamentals and Design of Microelectronics Processes. 3 or 4 hours.
Design and practical aspects of the most advanced state of micro- and nano-electronics processing with emphasis on thin film deposition, substrate passivation, lithography and etching with thermodynamics, kinetics, reactor design, and optimization. Course Information: Same as MENG 413. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Graduate standing or consent of the instructor. Recommended background: Engineering/Science.

CHE 457. Colloidal and Interfacial Phenomena. 3 or 4 hours.
Interfacial phenomena in practice: soap bubbles, emulsions, foams, detergents; surface tension driven flows, Marangoni effect; enterfacial rheology; colloids, emulsions, 3D-printing; interfacial thermodynamics, biological interfaces. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CHE 301 and CHE 312.

CHE 494. Selected Topics in Chemical Engineering. 1-4 hours.
Systematic study of selected topics in chemical engineering theory and practice. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

CHE 496. Undergraduate Senior Design Thesis I. 0-8 hours.
Introduction to modern process design and development, engineering economics of chemical processes and equipment, process simulation, report writing and presentations, literature survey and undergraduate thesis. Course Information: Extensive computer use required. Prerequisite(s): Consent of the instructor.

CHE 497. Undergraduate Senior Design Thesis II. 0-8 hours.
Applications of modern process design principles and design methodology to large-scale chemical processes and plants; team design project with industrial mentor, process simulation, reports, presentations, literature survey and undergraduate thesis. Course Information: Extensive computer use required. Prerequisite(s): Consent of the instructor.

CHE 499. Professional Development Seminar. 0 hours.
Students are provided general information about their roles as UIC Chemical Engineering alumni in society and the role of the University in their future careers. Students provide evaluations of their educational experience in the Chemical Engineering Department. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Open only to seniors; and approval of the department. Must be taken in the student's last semester of study.

CHEM 125. Foundations of Chemical Inquiry II. 2 hours.
Laboratory in general chemistry including chemical thermodynamics, spontaneity, chemical equilibrium, acid-base equilibrium, electrochemistry, kinetics, bonding, order/symmetry in condensed phases, coordination compounds, and spectroscopy. Course Information: Credit is not given for CHEM 125 if the student has a grade of C or better in CHEM 114 or CHEM 118. Students should complete CHEM 125 within one semester of completing CHEM 124. Prerequisite(s): Grade of C or better in CHEM 116; or Grade of C or better in CHEM 122 and Grade of C or better in CHEM 123; or Grade of B or better in CHEM 115 and department consent; and Grade of C or better or concurrent registration in CHEM 124. *Natural World - With Lab course*.

CHEM 130. Survey of Organic and Biochemistry. 5 hours.
Chemistry of classes of carbon compounds relevant to life sciences, and an introduction to the structure and metabolism of proteins, nucleic acids, lipids, and carbohydrates. Course Information: Credit Restrictions: Credit is not to be given for CHEM 130 if the student has credit in CHEM 114 or CHEM 118 or CHEM 124 or CHEM 125. Prerequisite(s): Grade of C or better in CHEM 115; or Grade of C or better in CHEM 116; or Grade of C or better in CHEM 122 and Grade of C or better in CHEM 123. This course is intended for pre-nursing students and should not be taken by those who need CHEM 124/CHEM 125 or CHEM 118. Class Schedule Information: To be properly registered, students must enroll in one Laboratory, one Lecture and one Quiz. *Natural World - With Lab course*.

CHEM 201. Elements of Glass Blowing. 1 hour.
Demonstrations and practice in glass blowing and the construction of simple laboratory equipment. Course Information: Prerequisite(s): Senior standing in chemistry and consent of the instructor.

CHEM 222. Analytical Chemistry. 4 hours.
Theory and application of chemical equilibria and instrumentation in quantitative analysis. Includes two weekly three-hour laboratories. Course Information: Prerequisite(s): Grade of C or better in CHEM 114; or Grade of C or better in CHEM 124 and Grade of C or better in CHEM 125; or Grade of C or better in CHEM 118 or the equivalent. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

CHEM 230. Organic Chemistry of Biological Systems. 4 hours.
One-semester introduction to organic chemistry as it pertains to biological systems, biomedical sciences and chemical biology. Course Information: Credit is not given for CHEM 230 if student has credit in CHEM 232 or CHEM 234. Prerequisite(s): Grade of C or better in CHEM 124 and Grade of C or better in CHEM 125; or Grade of C or better in CHEM 118; or Grade of C or better in CHEM 130; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Quiz.

CHEM 232. Structure and Function. 3 hours.
First semester of a one-year organic chemistry sequence. Structure, reactivity, and synthesis of organic molecules. Course Information: Prerequisite(s): Grade of C or better in CHEM 122 and Grade of C or better in CHEM 123; or Grade of C or better in CHEM 116 and Grade of C or better in CHEM 118. Recommended background: Concurrent registration in CHEM 233. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Quiz.

CHEM 233. Synthesis Techniques Laboratory. 2 hours.
Introductory organic chemistry laboratory. Basic techniques (distillation, crystallization, chromatography, MP and BP), reactions (substitution, elimination, Diels-alder, oxidation-reduction), instrumentation (gas and liquid chromatography, IR.). Course Information: Prerequisite(s): Grade of C or better in CHEM 230 or Grade of C or better or concurrent registration in CHEM 232; and Grade of C or better in CHEM 122 and Grade of C or better in CHEM 123; or Grade of C or better in CHEM 116 and Grade of C or better in CHEM 118; or consent of the instructor.

CHEM 234. Chemical Synthesis. 3 hours.
Second semester of a one-year organic chemistry sequence; continuation of CHEM 232. Course Information: Prerequisite(s): Grade of C or better in CHEM 232; and Grade of C or better in CHEM 124 and Grade of C or better in CHEM 125; or Grade of C or better in CHEM 118. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Quiz.

CHEM 235. Advanced Synthesis Techniques. 2 hours.
Advanced organic chemistry laboratory. Synthesis, stereochemistry, spectrometry (IR, NMR), organic analytical chemistry (TLC, HPLC), microscale techniques. Course Information: Prerequisite(s): Grade of C or better in CHEM 233; and Grade of C or better or concurrent registration in CHEM 234. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Discussion.

CHEM 240. Mathematical Methods in Physical Chemistry. 2 hours.
Chemistry workshop to support the development of students' math skills applied to physical chemistry courses at UIC. Course Information: Co-requisite(s): Students must be enrolled concurrently in CHEM 340 or CHEM 342.

CHEM 305. Environmental Chemistry. 3 hours.
The chemistry of the environment and the consequences of pollution brought about by natural and synthetic materials and modern energy usage. Course Information: Prerequisite(s): CHEM 230 or CHEM 232.

CHEM 314. Inorganic Chemistry. 4 hours.
Chemistry of the main-group elements, coordination chemistry and the transition elements, bioinorganic chemistry. Includes a weekly laboratory. Course Information: Prerequisite(s): Grade of C or better in CHEM 232 and grade of C or better in CHEM 233. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

CHEM 333. Interdisciplinary Approach to Chemical Synthesis. 3 hours.
Advanced organic/inorganic chemistry laboratory. Multi-step synthesis of small molecule sensing and molecular recognition, nucleic acid chemistry, bio-inspired catalysis, structure-function studies of therapeutics. Course Information: Prerequisite(s): Grade of C or better in CHEM 235 and Grade of C or better in CHEM 314. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

CHEM 340. Physical Chemistry for Biochemists I. 3 hours.
Thermodynamics of gases, solutions, reaction equilibria, and phase transitions. Course Information: Credit is not given for CHEM 340 if the student has credit for CHEM 342. Prerequisite(s): Grade of C or better in MATH 181; and Grade of C or better in CHEM 118 or Concurrent registration or Grade of C or better in CHEM 222; and Grade of C or better in PHYS 132 or Grade of C or better in PHYS 142.

CHEM 455. Biochemistry Laboratory. 3 hours.
Introduction to modern biochemistry and molecular biology research. Includes recombinant DNA techniques, protein purification, site-directed mutagenesis, polymerase chain reaction, enzyme kinetics, protein structure data analysis and molecular graphics. Course Information: Prerequisite(s): CHEM 222 or CHEM 118; and CHEM 452 or BIOS 452. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Laboratory-Discussion.

CHEM 456. Natural Products. 3 or 4 hours.
Biogenetic approach to secondary metabolites. General principles and selected studies of phenolic compounds, terpenes, alkaloids, and other interesting natural products. Course Information: Same as BIOS 416. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): One year of organic chemistry.

CHEM 458. Biotechnology and Drug Discovery. 3 or 4 hours.
Molecular and gene therapy, using small molecules including antisense, aptamers, and proteins. Structure-based drug design. Structural bioinformatics and drug discovery program. High-throughput screening. Combinatorial chemistry technology. Course Information: Same as BIOS 458. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): BIOS 352 or CHEM 352; or Credit or concurrent registration in BIOS 452 or Credit or concurrent registration in CHEM 452; or consent of the instructor.

CHEM 470. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CHEM 471. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in CHEM 470, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

CHEM 472. Teaching Methods in Chemistry. 2 or 3 hours.
A course in the methods of teaching high school chemistry, including the integration of technology. Course Information: 2 undergraduate hours. 3 graduate hours. Extensive computer use required. Prerequisite(s): 24 semester hours of undergraduate chemistry, including two semesters of laboratory chemistry. Recommended background: ED 210.

CHEM 474. Teaching Chemistry in High Schools. 1 hour.
Modern ways to help beginning learners construct in their own minds an understanding of scientific concepts and scientific method. Emphasis on the concepts of chemistry. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Approval of the department.

CHEM 475. Learning and Teaching of Physical Sciences. 3 hours.
Provides teacher candidates with the foundation and experience necessary to teach physical sciences in secondary schools. Course Information: Same as PHYS 475. Prerequisite(s): Senior standing or above; or approval of the department. Recommended background: Knowledge of first-year college physics and chemistry. Class Schedule: To be properly registered: Students must enroll in one Lecture-Discussion and one Laboratory.

CHEM 480. Elements of Machining Scientific Equipment. 1 hour.
Elements of machining scientific equipment, including the use of machine shop tools and technical drawing of scientific apparatus. Course Information: Same as EAES 478 and PHYS 480. Satisfactory/Unsatisfactory grading only. Prerequisite(s): Graduate standing; and approval of the department.

CHEM 488. Cooperative Chemistry Practice. 1 hour.
Off-campus participation in a governmental or industrial training program. Credit is contingent on the submission of a final report. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. A maximum of 6 hours of CHEM 488, CHEM 492 and CHEM 499 combined may be credited toward departmental undergraduate degree course requirements. Prerequisite(s): Concurrent registration in LAS 289 or consent of the instructor.

CHEM 492. Independent Study. 1-2 hours.
Individual study under supervision of a faculty member in areas not covered in standard courses. Credit is contingent on the submission of a final report. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. A maximum of 6 hours of CHEM 488, CHEM 492 and CHEM 499 combined may be credited toward departmental undergraduate degree course requirements. Prerequisite(s): 2.50 grade point average in science courses and consent of the instructor. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

CHEM 494. Special Topics in Chemistry. 1-4 hours.
Course content is announced prior to each term in which the course is given. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the department.

CHEM 499. Supervised Research. 3 hours.
Individual research performed under supervision of a faculty member. Credit is contingent on the submission of a final report. Research experience is strongly encouraged for career students. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 6 hours. A maximum of 6 hours of CHEM 488, CHEM 492 and CHEM 499 combined may be credited toward departmental undergraduate degree course requirements. Prerequisite(s): Junior standing or above, approval of the department, consent of the instructor and a grade point average of 2.50 in science courses; or graduate standing. Recommended background: Credit in CHEM 333 or CHEM 314. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

CME 119. Introduction to Environmental Engineering and Science. 3 hours.
Pollution and the environment. Impact of human economic activity on the environment. Principles of environmental engineering and science with application to natural and engineered environmental systems. Course Information: Prerequisite(s): Consent of the instructor.

CME 197. Introduction to Civil and Environmental Engineering. 0 hours.
Introduction to careers in civil and environmental engineering, introduction to business practice in civil and environmental engineering, professional ethics and challenges currently faced by the civil and environmental engineering profession. Course Information: Satisfactory/Unsatisfactory grading only. All CME freshmen and transfer students will be required to take course during the first year of enrollment at UIC.

CME 201. Statics. 3 hours.
Analysis of forces, equilibrium of two- and three-dimensional structures, frames and machines. Friction, centroids, virtual work and energy. Course Information: Prerequisite(s): MATH 181 and PHYS 141.

CME 203. Strength of Materials. 3 hours.
Relationships between the stresses and strains within a deformable body. Axially loaded members, torsion and the bending of bars. Stress transformation equations. Column theory. Course Information: Prerequisite(s): CME 201.

CME 205. Structural Analysis I. 3 hours.
Analysis of trusses, beams and frames. Classical methods and analysis with microcomputers. Displacements, shear and bending moments, influence lines. Course Information: Prerequisite(s): CME 203.

CME 207. Engineering Probability and Economics. 3 hours.
Principles of probability in civil and environmental engineering; theories and principles of economics in civil and environmental engineering; managerial decision making techniques for design and construction of projects. Course Information: Prerequisite(s): MATH 181.

CME 211. Fluid Mechanics and Hydraulics. 3 hours.
Covers the basic fluid mechanics topics of statics and kinematics, with emphasis on civil engineering aspects of open channel hydraulics and pipe flow. Course Information: Prerequisite(s): CME 201. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

CME 215. Hydraulics and Hydrology. 3 hours.
Hydraulics of pipe flow, open channel flow and hydraulic machinery. Ground water and surface water hydrology. Course Information: Prerequisite(s): ME 211. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CME 260. Properties of Materials. 3 hours.
Introduction to the relationships between composition and microstructure; correlation with physical and mechanical behavior of metals, ceramics, and polymers. Manufacturing methods. Service performance. Materials selection. Course Information: Credit is not given for CME 260 if the student has credit for CME 261 or ME 261. Prerequisite(s): CHEM 122 and CHEM 123 and PHYS 141 and MATH 181.

CME 261. Materials for Manufacturing. 2 hours.
Introductory-level course in materials engineering to familiarize students with relationships between processing, structure and properties of materials used to manufacture devices. Course Information: Same as ME 261. Credit is not given for CME 261 if the student has credit for CME 260. Prerequisite(s): CHEM 122 and CHEM 123 and PHYS 141 and MATH 181.

CME 290. Engineering Surveying. 1 hour.
Theory and practice of fundamentals of horizontal and vertical measurement of distances, angles and directions, leveling, traverses, topography, road and curve field layout, control and construction surveys, coordinate systems, GPS and Map Production. Course Information: Prerequisite(s): MATH 181; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion and one Laboratory.

CME 297. Civil and Environmental Engineering Drawing and Design. 3 hours.
Manual and computer-aided drawing and drafting principles for civil and environmental engineering practice. Application of building information modeling in civil and environmental engineering professional practice. Course Information: Prerequisite(s): Eligibility to register for ENGL 160. Interested students not enrolled in a degree program in the College of Engineering shall obtain permission from the instructor.

CME 300. Composition and Properties of Concrete. 2 hours.
Properties and types of cements and aggregates, hydration, mix design, properties of fresh and hardened concrete. Course Information: Prerequisite(s): Credit or concurrent registration in CME 203. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Laboratory.

CME 301. Behavior and Design of Metal Structures. 3 hours.
Design of metal structures, behavior of members and their connections, theoretical, experimental and practical basis for proportioning members. Course Information: Prerequisite(s): CME 205.

CME 302. Transportation Engineering. 3 hours.
Fundamentals of transportation engineering. Design, operations and planning of transportation systems of various technologies, emphasizing road and public transit. Course Information: Extensive computer use required. Field trips and computer laboratory required. Prerequisite(s): MATH 210; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

CME 310. Design of Reinforced Concrete Structures. 3 hours.
Analysis and design of reinforced concrete structural elements: beams, slabs, columns, and foundations. Use of current ACI 318 building code. Course Information: Prerequisite(s): CME 205 and credit or concurrent registration in CME 300.

CME 311. Water Resources Engineering. 3 hours.
Principles of water-resources engineering including hydrologic processes and frequency analysis; fluids mechanics applied to closed conduits and open channels; groundwater engineering; urban water distribution. Laboratory experiments. Course Information: Extensive computer use required. Prerequisite(s): CME 211. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

CME 315. Soil Mechanics and Laboratory. 4 hours.
Soil formation, phase relationships, index properties and soil classification, soil composition, soil compaction, water in soils, stresses in soils, consolidation, shear strength, soils laboratory. Course Information: Prerequisite(s): CME 203 and CME 211. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CME 414. Design of Masonry Structures. 3 or 4 hours.
Material characteristics of masonry as an engineering material, design of masonry members subjected to axial loads, bending, combined axial and bending loads, design of masonry shear walls, and design of multi-story masonry buildings. Course Information: 3 undergraduate hours. 4 graduate hours.Prerequisite(s): CME 301; or CME 310; or consent of the instructor.

CME 415. Environmental Geotechnology. 3 or 4 hours.
Environmental laws and regulations, sources and types of waste materials, waste materials in geotechnical engineering applications, geotechnical management of municipal, industrial, mine and nuclear wastes. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 315.

CME 419. Structural Loads Determination. 3 or 4 hours.
Loads applied to buildings and other structures. Live and dead loads. Snow, wind, earthquake and flood loads. Historical overview of loading standards and current loading standards. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 205; or consent of the instructor.

CME 420. Water and Wastewater Analysis Laboratory. 0-4 hours.
Laboratory class for environmental engineering. Analysis of water, wastewater and soil for nutrients, pollutants, physical parameters and biological parameters. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 216; or graduate standing. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CME 421. Water Treatment Design. 3 or 4 hours.
Water quality control systems. Physical-chemical unit processes applied to systems designed for treatment of municipal and industrial waters. Course Information: 3 undergraduate hours. 4 graduate hours. Field trip required at nominal fee. Prerequisite(s): CME 322. Students in programs outside stated restrictions may be admitted with the consent of the instructor.

CME 422. Wastewater Treatment Design. 3 or 4 hours.
Processes involved in the biological treatment of wastewater. Aerobic and anaerobic treatment, sludge stabilization, and nutrient removal. Course Information: 3 undergraduate hours. 4 graduate hours. Field trip required. Prerequisite(s): CME 322 or the equivalent.

CME 423. Management of Solid and Hazardous Wastes. 3 hours.
Management of solid and hazardous waste, including radioactive waste: landfills, incineration, recycling, composting, source reduction, groundwater and air pollution impacts, control, regulations, siting, health impacts. Course Information: Same as EOHS 472, and GEOG 444.

CME 425. Environmental Remediation Engineering. 3 or 4 hours.
Sources of contamination, regulations, site characterization, impact assessment, waste disposal and containment options, waste treatment options, case studies. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 315.

CME 427. Engineering Hydrology. 3 or 4 hours.
Processes, techniques and concepts in hydrology of interest to the engineer: precipitation, interception, evaporation, groundwater, unit hydrographs, flood routing, and statistics. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 211 and senior standing.

CME 430. Theory of Elasticity I. 3 or 4 hours.
The boundary value problems of linear elasticity. Uniqueness of solution. Reduction to two dimensions: the plane problems, torsion, bending. Polar coordinates and general orthogonal coordinates. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 205 and Math 220; or the equivalents.

CME 431. Introduction to Continuum Mechanics. 3 or 4 hours.
Vectors and tensors, stress, principal stresses and principal axes, deformation, compatability conditions, constitutive equations, isotropy and mechanical properties of fluids and solids. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 203 and CME 211; or CME 203 and ME 211.

CME 432. Energy Methods in Mechanics. 3 or 4 hours.
Variational theorems of elasticity. Applications to establish approximate systems and their solution. Beams (including shear deformation.) Introduction to instability theory. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 205.

CME 433. Fracture Mechanics and Failure Analysis I. 3 or 4 hours.
Classical theory of strength of materials. Fracture mechanisms maps. Continuum damage mechanics. Introduction to fracture mechanics. Singular problems of elasticity. Stress intensity. Energy release rates. Irwin-Orowan, Barenblatt-Dugdale theories. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 430.

CME 434. Finite Element Analysis I. 3 or 4 hours.
Establishment of basic finite element, matrix relations for one-dimensional heat conduction problems: Truss, beam and frame structural systems. Solution methods of the resulting equations. Introduction to two-dimensional analysis. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 109; and CME 205 or ME 347.

CME 435. Theory of Vibrations I. 3 or 4 hours.
Analytical and numerical treatment of linear, discrete systems. Nonlinear discrete systems. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 200 or the equivalent and MATH 220.

CME 440. Cities and Sustainable Infrastructure. 0-4 hours.
Integrated urban infrastructure planning based on sustainability and resilience; energy, water and transportation systems; design of green buildings; urban network design; methods of environmental assessment and infrastructure economics. Course Information: 3 undergraduate hours; 4 graduate hours. Prerequisite(s): CME 302 and CME 311; or consent of the instructor For graduate students: consent of instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory-Discussion.

CME 441. City Logistics. 3 or 4 hours.
Understanding the basics of the logistics planning, operation, and design for cities and urban environment in regard to people, goods and freight, and sustainability and the environment. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 302; or consent of the instructor.

CME 450. Probability and Reliability in Structural Design. 3 or 4 hours.
Maximum uncertainty principle and probability distributions of random variables. Distributions of extremes and their applications. Statistics of failure. The weakest link theory. Time to failure. Structural reliability. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

Classics (CL)

Courses

CL 100. Greek Civilization. 3 hours.
An introduction to the life, society and culture of the ancient Greeks. Course Information: All readings are in English. *Creative Arts course, and Past course*.

CL 101. Roman Civilization. 3 hours.
An introduction to the life, society and culture of the ancient Romans. Course Information: All readings are in English. *Past course*.

CL 102. Introduction to Classical Literature. 3 hours.
The main literary forms of Classical Antiquity: epic, tragedy, comedy, the philosophical dialogue, history. Course Information: All readings are in English. *Creative Arts course, and Past course*.

CL 103. Introduction to Classical and Mediterranean Archaeology. 3 hours.
Contributions of archaeological excavations to the study of ancient Greece, Rome, Egypt and the Near East; architecture, painting, and sculpture in their social and historical contexts. Course Information: All readings are in English. *Creative Arts course, and Past course*.

CL 120. Introduction to Ancient Philosophy. 3 hours.
Introduction to issues and methods of philosophy through engagement with classic Greek and Roman texts (read in translation). Course Information: Same as PHIL 120. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and Past course*.

CL 124. Introduction to the Hebrew Bible. 3 hours.
A study of the Five Books of Moses (a.k.a Torah or Pentateuch) within the contexts of the ancient Near East and biblical literature. Course Information: Same as JST 124 and RELS 124. Taught in English. *Past course*.

CL 128. The Jesus Movement and the New Testament. 3 hours.
Investigates the Jesus movement from its beginnings as a small Jewish reform sect through its development into the religion known as Christianity. Uses New Testament writings as primary sources for reconstructing the past. Course Information: Same as CST 128 and RELS 128. *Past course*.

CL 201. Medical Terminologies: Ancient Roots in Modern Medicine. 3 hours.
The structure and formation of technical terms used in the health sciences, based on roots and elements from Greek and Latin. Course Information: Same as LING 201.

CL 202. Ancient Greece. 3 hours.
Greece from the Mycenaean through the Hellenistic periods; political, social, economic, and religious life of the Greek city-state and the Hellenistic kingdoms. Course Information: Same as HIST 202. *Past course, and World Cultures course*.

CL 203. Ancient Rome. 3 hours.
History of Rome from its origins to the end of the Roman Empire; emphasis on transformation of Rome from city-state to world empire, with attention to social, cultural, and economic background.Course Information: Same as HIST 203. *Past course, and World Cultures course*.

CL 204. Greek Art and Archaeology. 3 hours.
Contributions of archaeological excavations to the study of ancient Greece, 600 BC to 31 BC. Architecture, sculpture and painting in their social and historical contexts. Course Information: Same as AH 204, and HIST 204. Credit is not given for CL 204 if the student has credit in CL 215. Taught in English. *Creative Arts course, and Past course*.

CL 205. Roman Art and Archaeology. 3 hours.
Contributions of archaeological excavations to the study of ancient Rome and her empire 1000 BC-400 AD. Architecture, sculpture and painting in their social and historical contexts. Course Information: Same as AH 205, and HIST 205. *Creative Arts course, and Past course*.

CL 208. Classical Mythology. 3 hours.
Intensive study of the gods and heroic sagas of the cultures of the ancient Mediterranean world, through original sources in translation. Course Information: Same as RELS 208. All readings are in English. *Individual and Society course, and Past course*.

CL 209. Near Eastern Art and Archaeology. 3 hours.
Introduction to the art, archaeology, and material culture of ancient societies in western Asia (Mesopotamia, Syria, the Levant, Anatolia, and Iran) from the first settled villages of the Neolithic to Alexander the Great (ca 9600-330 BCE). Course Information: Same as AH 209. Credit is not given for CL 209 if the student has credit in AH 209 or ARST 209. Prerequisite(s): Sophomore standing or above. Recommended background: AH 110. Class Schedule Information: To be properly, registered students should enroll in one Lecture and one Lecture-Discussion. *Creative Arts course, and Past course*.

CL 210. Ancient Egyptian Art and Archaeology. 3 hours.
Ancient Egypt from 6000-1000 BCE. Architecture, sculpture and painting in their social and historical contexts. Course Information: Same as AH 210 and BLST 210. Credit is not given for CL 210 if the student has credit in ARST 210 or AH 210 or BLST 210. Prerequisite(s): Completion of the English Composition requirement; and sophomore standing or above. Recommended background: Credit in AH 100 or AH 110. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Lecture-Discussion. *Creative Arts course, and Past course*.

CL 211. Sex and Gender in the Ancient World. 3 hours.
An exploration of the construction of gender and its relationship to love and sexuality in the ancient world through literature and art. Course Information: Same as GWS 211. Prerequisite(s): Sophomore standing or above.

CL 218. Pompeii: Everyday Life in a Roman Town. 3 hours.
Examination of the Roman town of Pompeii, including its history, society, politics, economy, religion, art, architecture, and entertainments. Course Information: Same as AH 218 and HIST 218. *Past course*.

CL 219. Sport in the Ancient World. 3 hours.
Survey of Greek and Roman sport from the Bronze Age to the demise of pagan athletic festivals in late antiquity (c. fifth century CE). Course Information: Same as HIST 219.

CL 220. Ancient Philosophy I: Plato and His Predecessors. 3 hours.
Introduction to Plato and his predecessors in the ancient period. Course Information: Same as PHIL 220. Prerequisite(s): One non-logic course in philosophy or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

CL 391. Topics in Latin Poetry. 3 hours.
Advanced readings in Latin poetry chosen from a single author, period, or single genre in different periods. Course Information: Same as LAT 391. May be repeated to a maximum of 9 hours if topics vary. Taught in English. Students who register in CL 391 will complete assignments in English translation. Students who register in LAT 391 will complete more than half of the readings in Latin. Prerequisite(s): CL 250 or CL 252 or CL 253; or consent of the instructor; and LAT 291 or the equivalent for students who register for LAT 391 only. Recommended background: CL 102. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

CL 398. Advanced Topics in Classical Civilization. 1-3 hours.
Capstone research course, for variable credit. Emphasis on research and writing on an advanced topic in classical studies. Course Information: Students may either: 1) register for 1-2 credit hours of CL 398 while concurrently enrolled in a CL (or other approved) course at the 200-level or above; or 2) register for 2-3 credits as an independent study with permission of faculty. Discuss with faculty to determine appropriate number of credit hours. Prerequisite(s): At least two Classics (or approved) courses at the 100 or 200-level.

CL 399. Independent Study: Honors Project. 1-3 hours.
Selected topics for individual study. Course Information: Restricted to students seeking Highest Distinction in Classics. Prerequisite(s): A minimum 3.75/4.00 GPA in major courses and the completion of and/or concurrent registration in four advanced 200- and/or 300-level courses in the major, in consultation with the academic advisor.

CL 401. Topics in Greek History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 401. 3 undergraduate hours. 4 graduate hours. May be repeated. Prerequisite(s): 3 hours of history or classics.

CL 405. Herodotus and His World. 3 or 4 hours.
Examines the Histories of Herodotus - both the text and the culture of Classical Greece compared to the Near East and Egypt. Course Information: Same as HIST 405. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Sophomore standing or above.

CL 408. Athenian Democracy and Society in the Age of Aristophanes. 3 or 4 hours.
A careful examination of the comedies of Aristophanes, his acute criticism of Athenian politics, and his account of the war between Athens and Sparta. Course Information: Same as HIST 408. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CL 202. Recommended background: one of the following courses: CL 251, CL 252, CL 405 or HIST 405.

CL 466. Material Worlds: Topics in Material Culture Studies. 3 or 4 hours.
Examines current theories of material culture, drawn from art history, archaeology and anthropology to reflect on technologies of production and social life of things. Case studies will be drawn from ancient, medieval and modern historical context. Course Information: Same as AH 466 and ANTH 466. 3 undergraduate hours. 4 graduate hours.

CL 499. Advanced Independent Study. 3 or 4 hours.
Advanced independent study under faculty direction. Reading and papers on chosen topics for qualified students based on preparation and interest. Students must consult with faculty. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the faculty member and department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

Communication (COMM)

Courses

COMM 100. Fundamentals of Human Communication. 3 hours.
Emphasis on strategies for public speaking, public presentations, and conducting meetings. Effective approaches to audience analysis, speaker/presenter credibility, using evidence, argument development, delivery, and planning meetings. Course Information: No Credit given toward major in Communication. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. *Individual and Society course*.

COMM 101. Introduction to Communication. 3 hours.
Introduction to central concepts in communication, including key terms and theories, specific contexts and key debates. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. *Individual and Society course*.

COMM 102. Introduction to Interpersonal Communication. 3 hours.
Effective communication in human relationships; verbal and nonverbal messages; reflective listening, disclosure, showing affection, empathy, assertiveness; handling interpersonal conflict; cultural and gender differences. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. *Individual and Society course*.

COMM 103. Introduction to Media. 3 hours.
Conceptualizing mass communication. Internal and external controls. Media and minorities. Individual and societal functions of the media. Individual and societal effects of the media. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. *Individual and Society course*.

COMM 105. Black Film, 1900 - Present: Images, Individuals and Ideas on Screen. 3 hours.
Examination of the history of black people in film – looking both at films by black people in the United States and the diaspora, and at the relationship between black filmmakers, performers, and audiences to national and global film industries. Course Information: Same as BLST 105 and MOVI 105. *Creative Arts course, and US Society course*.

COMM 140. Fundamentals of Social Media and Communication. 3 hours.
Instruction and practice in the composition, analysis and dissemination of messages that employ media and social media in professional contexts. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. *Individual and Society course*.

COMM 240. Data Journalism. 3 hours.
The basics of journalism/reporting in the social media age. Theoretical and practical strategies used gather, analyze, and report data for current events, crime, politics and other news topics toward crafting interactive storytelling. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

COMM 250. Social Media and Society. 3 hours.
Social media platforms as they affect crucial social, political, and economic aspects of society. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

COMM 254. Future Television. 3 hours.
The expansion of television and the forces shaping its future. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

COMM 260. Games as Social Technology. 3 hours.
Games as networked and collaborative technologies. Focus on community building and interaction; the social impact of gaming; use of gaming technologies for communication; representation in gaming. Course Information: Prerequisite(s): Completion of the English Composition requirement.

COMM 270. Digital Influencers. 3 hours.
Examines digital influencers and influencer culture. Focus on history, branding, content creation and analytics. Emphasis on impact on society, popular communication, and culture. Course Information: Some sections may be offered fully online or in a blended-online course setting. Consult the Schedule of Classes for mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

COMM 294. Introductory Topics. 3 hours.
Introductory analysis of contemporary issues in media, technology, and communication. Topics vary per semester and instructor. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

COMM 301. Communication Research. 3 hours.
Designs and measurements for conducting empirical analyses of communication activities in both laboratory and business settings. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 101 and COMM 102 and COMM 103; and Credit or concurrent registration in COMM 200. Open only to juniors and seniors and quantitative reasoning requirement met.

COMM 303. Communication and Culture. 3 hours.
Examination of the relationship between communication and culture through an exploration of the general theoretical principles linking cultural influences and communicative acts. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 101 and COMM 103; and Credit or concurrent registration in COMM 102; and Credit or concurrent registration in COMM 200.

COMM 304. Gender and Communication. 3 hours.
Speech differences and universals across genders. Talk in gendered interaction. Communication in romantic relationships. Gender issues in work and other settings. Course Information: Same as GWS 304. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 101 and COMM 103 and Credit or concurrent registration in COMM 102 and Credit or concurrent registration in COMM 200; or GWS 204.

COMM 305. Technology and Wellness. 3 hours.
Wellness within new media technology studies. Focus on how wellness is communicated, branded, and supported and/or hindered through digital media. Emphasis on healthism, moralization, social support, capitalism, neoliberalism, and misinformation. Course Information: Some sections may be offered fully online or in a blended-online course setting. Consult the Schedule of Classes for mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 101 and COMM 103 and Credit or concurrent registration in COMM 102; and Credit or concurrent registration in COMM 200.

COMM 306. Organizational Communication. 3 hours.
Examination of communication issues in organizational settings. Exposure to topics such as rules, networks, leadership, and decision making as well as methods of analyzing communication problems. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 101 and COMM 103; and Credit or concurrent registration in COMM 102; and Credit or concurrent registration in COMM 200.

COMM 423. Discourse and Rhetoric. 3 or 4 hours.
Exploration of interconnections between language and social practices with attention to multiple components of discursive situations: senders, receivers, context, code, media, and content. Course Information: Same as ENGL 463. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): COMM 301. English majors or minors must seek approval from the Communication department.

COMM 425. Digital Advocacy. 3 hours.
Social media, social movements and advocacy efforts in the digital era. Topics covered include hashtag activism, global movements, digital activism, online mobilization around social injustice. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

COMM 430. Media, Information and Society. 3 or 4 hours.
Dissemination of information via mass media involving social functions and significant questions about facts, truth, knowledge and values. Course Information: 3 undergraduate hours. 4 graduate hours. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

COMM 433. Mobile Media and the City. 3 hours.
Relationship between contemporary technologies - new media, urban screens, mobile and wireless technologies, ubiquitous computing - and cities. Foundational theory on mobile media and communication. Course Information: Prerequisite(s): COMM 301.

COMM 434. Global Communication Systems. 3 or 4 hours.
Structure and flow of international communication. Media organization systems. International impact of new media and information technology. Impact of U.S. media reporting on foreign affairs. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): COMM 301.

COMM 435. Data, Privacy and Ethics in the Digital Age. 3 hours.
Datafication and privacy. Topics include commodification of personal information through various devices and platforms; the quantified self; legal, ethical, and contextual approaches to privacy; politics of algorithms. Course Information: Prerequisite(s): COMM 301.

COMM 440. Technology, Social Justice, and Sustainable Futures. 3 hours.
Complex interplay between technology, humans and the environment. Anthropocene and climate change. Sustainable design. Electronic waste. Environmental racism. Futurology and Afrofuturism. Technological diffusion and planned obsolescence. Course Information: Prerequisite(s): COMM 301; or approval of the department.

COMM 445. Politics of Platforms. 3 hours.
Exploration of the politics embedded in digital platforms' policies and practices. Topics include content moderation, mis/disinformation, AI, digital activism, privacy and surveillance, influence, and community. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

COMM 458. Minorities and Communication. 3 or 4 hours.
Description and analysis of the processes through which ethnic and racial perceptions shape public discourse. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): COMM 301.

COMM 460. Visual Communication. 3 or 4 hours.
Exploration of processes through which meaning is derived from visible signs, and the role of media images in the cultural context. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): COMM 301.

COMM 465. Video Games and Society. 3 hours.
Games and their complex socio-cultural impact on society. Explores what games say about the nature of identity, community, presence, learning, and communication. Course Information: Prerequisite(s): COMM 301.

COMM 467. Public Opinion and Political Communication. 3 or 4 hours.
Nature of public opinion and political communication systems. Patterns of opinion distribution and its measurement. Forces shaping public opinion and its impact on public policy. Course Information: Same as POLS 467. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): POLS 200 or the equivalent or consent of the instructor.

COMM 474. Internship. 1-8 hours.
Students work in an approved professional setting. Individual projects developed through conferences with a faculty member and a field supervisor. Course Information: May be repeated to a maximum of 8 hours. No more than 3 credit hours of COMM 474 or COMM 498 may be applied toward the major. May not be counted toward the minimum Master of Arts degree requirements. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): Approval of the Department.

COMM 490. Seminar in Culture and Communication. 3 hours.
Analysis of contrastive cultural paradigms (interethnic, gender, class) to develop student's awareness of own socialization and cultural orientation. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

COMM 491. Seminar in Media and Communication. 3 hours.
Analysis of contemporary or historical issues in mediated communication. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

COMM 493. Communication and Social Networks. 3 hours.
Examines the impact and significance of social networks as a construct and platform for reshaping and restructuring of our media, political institutions, and democracy. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 301.

CHSC 464. Survey of Developmental Disabilities. 3 hours.
Survey of the developmental disabilities field, including basic definitions, history of DD services, relevant public policies and legislation, service delivery systems, and research. Course Information: Same as DHD 464. Prerequisite(s): Graduate standing or consent of the instructor.

CHSC 485. Communications, Mass Media and Public Health. 3 hours.
Examines the development, theoretical basis, and applications of mass media strategies in public health. Course Information: Prerequisite(s): CHSC 421 and credit or concurrent registration in CHSC 422; and graduate or professional standing; or approval of the department.

CHSC 494. Special Topics in Community Health Sciences. 1-4 hours.
Study of topics in maternal and child health, gerontology, behavioral science of health and illness, international health, community health and public health practice. Course Information: May be repeated. Students may register in more than one section per term. Topics vary by semester. Prerequisite(s): Consent of the instructor. Restricted to graduate or professional standing, or consent of the instructor.

Computer Science (CS)

Courses

CS 100. Discovering Computer Science. 3 hours.
Fundamentals of computing; history of computation; computer organization; program design, testing and debugging; web design; computer animation; software tools; societal and legal issues in computing. Course Information: Credit is not given for CS 100 if the student has credit in CS 111 or CS 112 or CS 113 or CS 107 or CS 109 or MCS 260. No graduation credit given to students enrolled in Engineering. No graduation credit for students enrolled in a major offered by the Departments of Biomedical Engineering, Chemical Engineering, Civil Materials and Environmental Engineering, Computer Science, Electrical and Computer Engineering, or Mechanical and Industrial Engineering. Extensive computer use required. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion. *Natural World - No Lab course*.

CS 107. Introduction to Computing and Programming. 4 hours.
Access and use of computing resources. Programming and program design. Problem solving. Data types, control structures, modularity, information hiding. Course Information: Credit is not given for CS 107 if the student has credit for CS 141. Previously listed as EECS 171. Prerequisite(s): Credit or concurrent registration in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

CS 109. Programming for Engineers with MatLab. 3 hours.
Develop an understanding of program design using data types, operators, control structures, functions, file I/O, arrays and structures. Demonstrate the understanding through computer projects with engineering applications. Course Information: Credit is not given for CS 109 if the student has credit for CS 111 or CS 112 or CS 113. Extensive computer use required. Prerequisite(s): Credit or concurrent registration in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CS 111. Program Design I. 3 hours.
Introduction to programming: control structures; variables and data types; problem decomposition and procedural programming; input and output; aggregate data structures including arrays; programming exercises. Course Information: 3 hours. Extensive computer use required. Credit is not given for CS 111 if student has credit in CS 107 or CS 109 or CS 112 or CS 113. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

CS 112. Program Design I in the Context of Biological Problems. 3 hours.
Introduction to programming using Biology as the context for programming in a high-level language; control structures, variables, simple and aggregate data types; problem-solving techniques; biology topics include central dogma and genetics. Course Information: Same as BIOS 112. Credits is not given for CS 112, if student has credit in CS 111 or CS 113. Course Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

CS 113. Program Design I in the Context of Law and Public Policy. 3 hours.
Introduction to programming using law and public policy as the context for programming; control structures, variables, simple and aggregate data types; problem-solving techniques; legal topics: security, privacy, encryption, and predictive policing. Course Information: Credit is not given for CS 113 if the student has credit in CS 107 or CS 109 or CS 111 or CS 112. Class Schedule Information: To be properly registered, students must enroll in on Laboratory and one Lecture-Discussion.

CS 141. Program Design II. 3 hours.
Data abstraction and modular design; recursion; lists and stacks; dynamic memory allocation; file manipulation; programming exercises. Course Information: 3 hours. Previously listed as CS 102. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 111 or Grade of C or better in CS 112 or Grade of C or better in CS 113 or Grade of C or better in CS 107 or Grade of C or better in CS 109; and Credit or concurrent registration in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CS 151. Mathematical Foundations of Computing. 3 hours.
Discrete mathematics concepts fundamental to computing: propositional logic, predicates and quantifiers; proofs; sets; recursive definitions and induction; functions, relations and graphs; combinatorics and discrete probability; applications. Course Information: 3 hours. Credit is not given for CS 151 if the student has credit in MCS 361. Prerequisite(s): Grade of C or better in CS 111 or Grade of C or better in CS 112 or Grade of C or better in CS 113 or Grade of C or better in CS 107 or Grade of C or better in CS 109; and Credit or concurrent registration in MATH 180; or appropriate score on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

CS 194. Special Topics in Computer Science. 1-3 hours.
Multidisciplinary computer science topics at first-year level that vary from term to term depending on current student and instructor interests.

CS 401. Computer Algorithms I. 3 or 4 hours.
Design and analysis of computer algorithms. Divide-and-conquer, dynamic programming, greedy method, backtracking. Algorithms for sorting, searching, graph computations, pattern matching, NP-complete problems. Course Information: Same as MCS 401. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MCS 360; or Grade of C or better in CS 251.

CS 402. Algorithms in Practice. 3 or 4 hours.
Design, implementation and presentation of algorithms and data structures emphasizing dynamic programming and both exact and heuristic approaches to NP-hard problems; problem solving sessions, programming projects and presentations. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 401; and consent of the instructor.

CS 407. Economics and Computation. 3 or 4 hours.
Techniques for analysis of markets, making decisions with other strategic agents, and understanding how algorithms affect the incentives of market participants. These include game theory, mechanism design, auction theory, and social choice theory. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 251.

CS 411. Artificial Intelligence I. 3 or 4 hours.
Problem representation; rule-based problem-solving methods; heuristic search techniques. Application to expert systems, theorem proving, language understanding. Individual projects. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 251.

CS 412. Introduction to Machine Learning. 3 or 4 hours.
Mechanism, implementation, and application of systems that improve automatically based on past experience, including classification, density estimation, clustering, and online learning tasks and solutions. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. MATLAB will be used for some of the homework assignments, but prior experience with it is not required. Prerequisite(s): Grade of C or better in CS 251; and IE 342 or STAT 381 or ECE 341.

CS 415. Computer Vision I. 3 or 4 hours.
Computer vision system design. Segmentation and representation of regions and boundaries; image filtering; object recognition; advanced topics (examples: texture, stereo, color); applications. Programming assignments. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as EECS 487. Prerequisite(s): CS 202 or MCS 360; or consent of the instructor.

CS 418. Introduction to Data Science. 3 or 4 hours.
Provides an in-depth overview of data science in engineering. Topics include modeling, storage, manipulation, integration, classification, analysis, visualization, information extraction, and big data in the engineering domain. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 251; and STAT 381 or IE 342 or ECE 341.

CS 421. Natural Language Processing. 3 or 4 hours.
Design of natural language processing systems; part-of speech tagging, statistical and symbolic parsers; semantic interpretation; discourse and dialogue processing; natural language generation; applications. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 301 or MCS 441.

CS 422. User Interface Design and Programming. 3 or 4 hours.
User interface design, implementation, and evaluation: user-centered design methodologies, windowing systems, I/O devices and techniques, event-loop programming, user studies. Programming projects. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 342.

CS 423. Natural User Interactions. 3 or 4 hours.
Introduces students to the field of natural user interactions, including topics such as design principles, hardware-to-software development pipeline (including various existing platforms, toolkits and APIs), as well as effective evaluation techniques. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 342. Recommended background: CS 422 or CS 522.

CS 424. Visualization and Visual Analytics. 3 or 4 hours.
Geospatial visualization, scientific visualization, medical visualization, information visualization, and social network visualization, interaction, data analysis, human factors, dynamic data, privacy, uncertainty, data transforms. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 251.

CS 425. Computer Graphics I. 0-4 hours.
Principles of interactive computer graphics. Raster and vector display, techniques and hardware considerations. Introduction to two-dimensional and three dimensional rendering. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 251. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

CS 426. Video Game Design and Development. 3 or 4 hours.
Theory and practice of video game design and programming. Students will form interdisciplinary teams, to design, build and demonstrate video games or related interactive simulation environments. Course Information: Same as DES 426. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 251.

CS 427. Creative Coding. 3 or 4 hours.
Creative Coding investigates how contemporary computational techniques can inspire novel forms of art making, providing students with the skills to make use of technology for expressive purposes. Course Information: Same as DES 427. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 251.

CS 428. Virtual, Augmented and Mixed Reality. 3 or 4 hours.
Virtual reality, augmented reality, and mixed reality environments, display devices, input devices, tracking, navigation, interaction, collaboration, generating visuals and sounds, software tools, applications, evaluation, safety. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): CS 342; or consent of the instructor.

CS 440. Software Engineering I. 3 or 4 hours.
Software life-cycle model, requirement specification techniques, large-scale software design techniques and tools, implementation issues, testing and debugging techniques, software maintenance. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as EECS 470. Prerequisite(s): CS 342.

CS 478. Software Development for Mobile Platforms. 3 or 4 hours.
Design and implementation of mobile applications; operating systems, object-oriented languages and programming environments for mobile platforms; integration with hardware components; and location-aware applications. Programming assignments required. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): CS 342.

CS 479. Wearables and Nearables Technology Laboratory. 3 or 4 hours.
Practical experience in design and development of wearable and nearable devices. Acquisition and processing of sensors data. Design and development of user-friendly user interface. Course Information: Same as BME 479. 3 undergraduate hours; 4 graduate hours. Extensive computer use required. Prerequisite(s): BME 240; or CS 251; or consent of the instructor. Recommended background: ECE 210 and CS 109.

CS 480. Database Systems. 3 or 4 hours.
Database design, logical design, physical design. Relational databases. Recovery, concurrency control. Normalization. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 251.

CS 483. Big Data Mining. 3 or 4 hours.
Data mining for very large datasets from a foundational and practical standpoint including similarity search, data-stream processing, advanced technology for search engines, recommendation systems, and graph analytics. Course Information: 3 undergraduate hours; 4 graduate hours. Credit is not given for CS 483 if the student has credit in CS 583. Prerequisite(s): Grade of C or better in CS 251; and ECE 341 or IE 342 or STAT 381. Recommended background: CS 401 and CS 480.

CS 484. Secure Web Application Development. 3 or 4 hours.
Web applications integrate concepts from software engineering, systems programming, and computer security. Teaches security through web development, enabling students to design, deploy, scale, attack, and defend modern web applications. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Credit or concurrent registration in CS 341.

CS 485. Networked Operating Systems Programming. 4 or 5 hours.
Concepts, design, and programming of multi-process and distributed systems; inter-process communications; fault tolerance; distributed programming semantics. Programming assignments and project required. Course Information: 4 undergraduate hours. 5 graduate hours. Previously listed as EECS 471. Prerequisite(s): CS 385.

CS 487. Building Secure Computer Systems. 3 or 4 hours.
Building and programming secure systems; protecting systems from threats and reduction of vulnerabilities; Includes application, host and network security. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 385; and senior standing or above; or consent of the instructor.

CS 488. Introduction to Cryptography. 3 or 4 hours.
Foundational concepts: encryption schemes, hash functions, message authentication codes, digital signatures. Practical systems: stream and block ciphers, SHA. Advanced topics: secure computation, zero-knowledge proofs, blockchain. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Prerequisite(s): Grade of C or better in CS 251; and IE 342 or STAT 381 or STAT 401.

CS 489. Human Augmentics. 3 or 4 hours.
Study of technologies for augmentation of human capabilities; human limitations; implants and wearable technologies; implants; brain-computer interfaces; exoskeletons; sensors and networks. Includes project work. Course Information: Same as BME 489. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Grade of C or better in CS 251; or consent of the instructor.

CS 491. Seminar. 1-4 hours.
Topics of mutual interest to a faculty member and a group of students. Offered as announced by department bulletin or the Timetable. Course Information: May be repeated. Previously listed as EECS 491. Prerequisite(s): Consent of the instructor.

CS 494. Special Topics in Computer Science. 1-4 hours.
Multidisciplinary computer science topics for undergrad seniors and graduate student that vary from term to term depending on current student and instructor interests. Course Information: 1 to 3 undergraduate hours; 2 to 4 graduate hours. Prerequisite(s): Consent of the instructor.

CS 499. Professional Development Seminar. 0 hours.
Graduating seniors will be provided with information regarding future career paths and will provide information regarding the program to be used for assessment purposes. Students take the CS Major Field Exam as part of this course. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Open only to seniors; and approval of the department. Must be taken in the student's last semester of study.

Criminology, Law, and Justice (CLJ)

Courses

CLJ 101. Introduction to Criminology, Law, and Justice. 3 hours.
Introduction to key components of the justice system (including police, courts, and corrections) and contemporary trends in crime and delinquency. Critiques of the effectiveness and fairness of the system and emerging ideas for advancing justice. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *US Society course*.

CLJ 102. Foundations of Law and Justice. 3 hours.
Philosophical origins and historical development of U.S. criminal law in comparative perspective. Transformation of rights and due process; approaches to punishment and social control; legal institutions and procedures. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *US Society course*.

CLJ 110. Rights, Justice and the Law. 3 hours.
The historical development, philosophical justification and political underpinnings of the human rights framework. Exploration of specific human rights in U.S. vs. non-U.S. contexts. Class Schedule Information: To be properly registered, students must enroll in one Discussion/ Recitation and one Lecture-Discussion. *US Society course*.

CLJ 114. Race, Class, Gender and the Law. 3 hours.
Exploration of the relationship between social inequality and law/justice in the US, with specific attention to the importance of race, class, and gender. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *US Society course*.

CLJ 361. Criminal Investigation. 3 hours.
Methods used for reconstructing crimes and criminal intent, incorporating information derived from people, physical evidence, institutional and electronic data. Scientific, organizational, legal, and ethical considerations informing the process. Course Information: Prerequisite(s): CLJ 101 and two 200-level criminal justice courses; or consent of the instructor.

CLJ 363. Drugs and Addiction in Society. 3 hours.
Explores drugs and addiction in US society. Topics include history and classifications of drugs, drug policies in the US, the social, psychological, physical effects of substance use, and how drug use shapes interaction in social systems. Course Information: Credit is not given for CLJ 363 if student has credit for the comparable CLJ 394 topic section Drugs, Addiction and Society. Recommended background: CLJ 101 and two 200-level Criminology, Law and Justice courses; or consent of the instructor.

CLJ 373. Introduction to the School-Prison Nexus. 3 hours.
Using contemporary social theory, this course investigates the disciplining, punishing, and criminalization of youth in urban schools, paying particular attention to the racialized, classed, gendered, and ableist contours of these social processes. Course Information: Same as ED 373. Recommended Background: CLJ 101 and two 200-level CLJ courses.

CLJ 374. Dismantling the School and Prison Nexus. 3 hours.
Political relationship between historically dis-invested K to 12 schools and prisons. Parallels in disciplinary practices and rationales in both. Engagement with affected communities that challenge carceral logics in education. Course Information: Same as ED 374. Prerequisite(s): CLJ 101 and two 200-level CLJ courses; or consent of the instructor. Recommended Background: CLJ 373.

CLJ 375. Introduction to Poverty Law. 3 hours.
Examines poverty and the history of anti-poverty policy in the United States. Themes include the welfare state, criminalization, litigation, labor, and social movements. Prerequisite(s): CLJ 101 and two 200-level Criminology, Law, and Justice courses; or consent of the instructor. Recommended background: CLJ 200.

CLJ 394. Topics in Criminology, Law, and Justice. 3 hours.
The analysis and exposition of historical or contemporary issues in the Criminology, Law, and Justice field. Topics may vary from semester to semester. Course Information: May be repeated for a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): CLJ 101 and two 200-level Criminology, Law, and Justice courses; junior or senior standing; or consent of instructor.

CLJ 395. Internship. 3 hours.
Observation of and participation in the daily work of a criminal justice agency, private or public. Work is supervised by a faculty member and the managment of personnel of the agency. Course Information: May be repeated to a maximum of 6 hours. A maximum of three credit hours may be used to satisfy the nine credit hour upper-division (300 and 400 level) requirement for the Major in Criminology, Law, and Justice. Prerequisite(s): A cumulative grade point average of 2.50. Preregistration in the department is required. Completion of five CLJ courses and junior or senior standing; or consent of the Director of Undergraduate Studies.

CLJ 399. Independent Study. 2-6 hours.
Independent study and research under the supervision of a faculty member on a subject not covered in the regular curriculum. Course Information: May be repeated for up to 8 credit hours. Prerequisite(s): Preregistration with the Department is required. Nine credit hours at the 200 level and three credit hours at the 300 level; a 3.00 overall grade point average, and a 3.50 grade point average in CLJ coursework, or consent of the Director of Undergraduate Studies. For criminology, law, and justice minors and majors only.

CLJ 402. Trial Interaction. 3 or 4 hours.
Language use, culture, and law in the trial process. Analysis of qualitative methods applied to legal processes and change. Course Information: Same as LING 402. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CLJ 261 and CLJ 350; or consent of the instructor.

CLJ 405. The Problem of Justice. 3 or 4 hours.
Pre-modern, modern and non-western views of justice and their practical utility in analyzing legislative, executive, and judicial programs for enhancing or restricting justice. Course Information: Same as POLS 405. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CLJ 101, plus two 200-level courses in CLJ or two 200-level courses in POLS.

CLJ 422. Victimization. 3 or 4 hours.
Survey of criminal victimization theory and research. Examination of causes, consequences, and prevention of violent crime and of victims' experiences in the criminal justice system. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CLJ 423. Violence. 3 or 4 hours.
Survey of violence theory and research. Examination of types, causes and consequences of violence historically and in the present. Exploration of acts of resistance to violence. Course Information: Same as ANTH 424. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CLJ 424. Gender, Crime, and Justice. 3 or 4 hours.
An in-depth examination of the etiology of female crime and the involvement of females in the criminal justice system as offenders, victims, and workers/professionals. Course Information: Same as GWS 424. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CLJ 425. Violence Prevention. 3 hours.
Examination of contemporary approaches to violence prevention at the individual, family, community, and organizational levels, as well as within the larger society. Course Information: Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CLJ 430. Homicide. 3 or 4 hours.
Overview of forms and patterns of homicide in the US. Theories of homicide. Situational dynamics, types of offender motivation, investigative techniques (including profiling), impact on families and society, and intervention strategies. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CLJ 435. White Collar Crime. 3 or 4 hours.
Examination of how white-collar crime is defined, investigated, defended, and adjudicated. Comparison of "suite" and "street" crime from a socio-legal perspective. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Two 200-level CLJ courses; junior standing or above; or consent of the instructor.

CI 413. Foundations of Literacy Instruction, K-8. 4 hours.
For prospective teachers, introduction to teaching literacy K-8; examining cognitive, social, developmental perspectives; relationships between language and literacy; connections to school subjects; aligning instruction, assessment, standards. Course Information: Extensive computer use required. Word processing on writing; search engines for examining literacy curriculum, professional organizations, email networks. Prerequisite(s): Graduate standing.

CI 414. Middle and High School Literacy. 3 hours.
Focuses on the teaching of reading and writing strategies appropriate for disciplinary learning and expression. Course Information: Field work required. Prerequisite(s): Junior standing or above; and consent of the instructor.

CI 428. Curriculum and Teaching in Secondary Education. 3 hours.
Introduction to the study of curriculum and teaching. Specifically designed for graduate students wanting to become middle and high school teachers, students who are newly admitted to the secondary education program. Course Information: Credit is not given for CI 428 if the student has credit for ED 430. Field work required. Prerequisite(s): Open only to Master's degree students in the Secondary Education Program; and consent of the instructor.

CI 429. Secondary Science Education in Urban Settings. 4 hours.
Introduction to the study of curriculum and teaching for those interested in urban education and who want to become secondary science teachers at the high school level. Course Information: Previously listed as CI 529. Recommended Background: At least 18 credit hours of coursework in a science field.

CI 430. Teaching Middle Grades Social Sciences: Content and Methods. 3 hours.
Models effective teaching of history and the social sciences in the urban elementary classroom grades 5-8, in a way that is inclusive of the diverse peoples, cultures, and histories that make up our society. Course Information: Prerequisite(s): Junior standing or above; or consent of the instructor. Restricted to students in the College of Education and Secondary History Education Program students in LAS.

CI 450. Societal Bases of Languages, Literacies and Learning. 4 hours.
Introduction to social and cultural processes by which languages and literacies are learned and develop in and out of school within the broader policy and ideological contexts. Course Information: Prerequisite(s): Graduate standing.

CI 451. Foundations of Writing. 3 or 4 hours.
Introduction to writing research, theory and practice, including writing development, processes, digital writing, pedagogy, assessment. Combines academic study of writing theory/research with guided inquiry into writing processes and pedagogy. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as CI 544. Extensive computer use required. Prerequisite(s): CI 401 and CI 402. Recommended background: Admission to the M.Ed. in Instructional Leadership: Literacy, Language and Learning, or the B.A. in Urban Education program.

CI 452. Children's and Young Adult Literature and Media. 3 or 4 hours.
Overview of trade books and media for children from preschool through adolescence. Emphasizes critically reading, selecting, evaluating materials appropriate for developmental stages, curricular connections, and students in our multicultural society. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as CI 546.

CI 453. Digital Literacies and Learning. 4 hours.
Theoretical foundations of digital literacies and learning focusing on critical interpretation/production involving texts, tools, and technologies that are online, mobile, and/or networked. Includes methods for teaching digital literacies P-12.

CI 464. Bilingualism and Literacy in a Second Language. 4 hours.
Theoretical foundations of second language acquisition and the teaching of English as second language. Methods and materials for teaching reading and writing in bilingual/ESL settings. Course Information: Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CI 470. Language, Culture, and Learning in Urban Classrooms. 3 hours.
An introduction to the study of multilingualism, language development, learning, and methodologies for teaching in linguistically and culturally diverse educational settings. Course Information: Previously listed as ED 346.

CI 472. Language Proficiency Assessment and ESL Instruction. 4 hours.
Study of and practicum in English language proficiency assessment; methods, materials, and resources for assessing oral language, reading, and writing in P-12 school settings. Course Information: Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CI 475. Teaching and Learning of the Natural Sciences. 3 hours.
Prepares teacher candidates with the knowledge, skills and dispositions needed for teaching science in urban contexts by investigating big questions and concepts in natural sciences education. Course Information: Previously listed as CI 530. Field work required. Prerequisite(s): Graduate standing; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CI 481. Foundation and Current Issues in Educating English Language Learners. 4 hours.
Philosophical, theoretical, socio-cultural and educational examination of learning and achievement issues that culturally and linguistically diverse students face in American schools. Course Information: Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CI 482. Assessment and Instruction: A Multilingual/Multicultural Perspective. 4 hours.
Methods and materials for teaching English language learners (ELLs) in bilingual/ESL classrooms. Emphasis upon curricular and methodological practices, assessment for academic placement, and instruction. Course Information: Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

CI 484. Curriculum and Instruction in the Middle School. 3 hours.
Philosophy, curriculum, and instructional methods for teaching middle grade students (grades five through eight). Content area reading is included. Course Information: Prerequisite(s): EPSY 255 or both ED 200 and ED 210; or graduate standing and either ED 402 or ED 403, and ED 421; and approval of the of the College of Education.

CI 494. Special Topics in Curriculum and Instruction. 1-4 hours.
Exploration of an area not covered in existing course offerings. Content varies. Course Information: May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

DES 241. Visualization II. 4 hours.
Introduction to digital design tools building expertise and comfort with prominent digital illustration software programs and hardware platforms. Course Information: Previously listed as AD 425. Extensive computer use required. Prerequisite(s): DES 240 and sophomore standing or above. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 250. Digital Media Design II. 4 hours.
Expands basic principles of interaction design and motion graphics with emphasis on motion literacy. Introduction to user-interface design and web-based publishing. Course Information: Previously listed as AD 211. Extensive computer use required. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 251. Digital Media Design III: Motion Design. 4 hours.
Advanced narrative and storytelling through motion. Expands motion literacy into narrative sequence planning, animation design process, and multi-media technologies. Course Information: Previously listed as AD 317. Extensive computer use required. Prerequisite(s): DES 250. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 255. Integrative Design Studio I. 4 hours.
Introduction to design process: ideation and iteration. Emphasis on understanding design through physical investigations utilizing specific fabrication materials and methods for prototype and critique. Course Information: Extensive computer use required. Prerequisite(s): Sophomore standing or above and completion of the design foundation program or concurrent registration in DES 208 and CS 211. Corequisites: Requires concurrent registration in DES 208.

DES 256. Integrative Design Studio II. 4 hours.
Introduction to interactions and systems in design. Emphasis on understanding design through digital investigations utilizing specific software tools for creative and analytic discovery. Course Information: Extensive computer use required. Prerequisite(s): Sophomore standing or above and completion of the design foundation program or concurrent registration in DES 209 and CS 251. Corequisites: Requires concurrent registration in DES 209. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 308. Typography III: Expression. 4 hours.
Textual investigations of typographic form of expression with an emphasis on composition (contrast, rhythm, tension), non-linearity, visual argumentation, dimensions, and the interplay between digital and analog operations. Course Information: Previously listed as DES 318. Extensive computer use required. Prerequisite(s): DES 209. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 309. Typography IV: Advanced Topics. 4 hours.
Advanced studio addressing current topics in typography. Content varies per course offering. Topic descriptions are publicized during registration period and may include dimensional typography, environmental graphics, type design, information design. Course Information: May be repeated for credit. Students may register for more than one section per term. Previously listed as DES 319. Extensive computer use required. Prerequisite(s): DES 308. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 322. Design Research Methods. 4 hours.
Overview of the role of research in design process and development with emphasis on research support in identifying new opportunities, concept definition, realization, and refinement. Course Information: Extensive computer use required. Prerequisite(s): DES 222 and junior standing or above. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 326. Materials and Methods. 4 hours.
Introduction to the vocabulary and processes involved in mass production with emphasis on major materials and manufacturing methods, design control drawings and basic principles of sustainable design. Course Information: Previously listed as AD 326. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): DES 330 and junior standing or above, or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 330. Industrial Design IV. 4 hours.
Introduction to specialty areas of concentration, including visual brand language, service design, and design for sustainability and social responsibility. Builds upon foundational skills through projects. Course Information: Previously listed as AD 320. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): DES 231 and junior standing or above, or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 331. Industrial Design V. 4 hours.
Design thinking and mastery of design process with opportunity for collaborative work in small teams focused on client-based project. Course Information: Previously listed as AD 321. Extensive computer use required. Prerequisite(s): DES 330 and junior standing or above, or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 350. Digital Media Design IV: Advanced Topics. 4 hours.
Advanced topics in design and the interplay between digital and analog operations. Course Information: Extensive computer use required. Prerequisite(s): DES 251. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 355. Design Seminar. 3 hours.
Seminar on current topics in contemporary design theory and practice. Course Information: Field trip required at a nominal fee. Prerequisite(s): Junior standing or above and completion of the design foundation program or concurrent registration in DES 357 and CS 261. Corequisites: Requires concurrent registration in DES 357.

DES 357. Integrative Design Studio III. 4 hours.
Orients toward increasing complexity and deeper understanding of design making and thinking. Subjects of investigation respond to current, emerging trends in design practice. Collaborative team-based projects combine multiple tools and technologies. Course Information: Extensive computer use required. Prerequisite(s): Junior standing or above and completion of the design foundation program or concurrent registration in DES 355 and CS 261. Corequisites: Requires concurrent registration in DES 355. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 358. Integrative Studio Project. 4 hours.
Exploration, deduction and design of student-selected research topic. Accumulated knowledge and skills are utilized to develop a year-long capstone project. Course Information: Extensive computer use required. Prerequisite(s): DES 357. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 471. Industrial Design Thesis II. 4 hours.
Research and design of student-selected topic. Accumulated knowledge and skills are utilized to develop a year-long capstone project providing opportunity to develop a specific focus within design. Course Information: Extensive computer use required. Prerequisite(s): DES 470 and senior standing or above. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 480. Graphic Design Thesis I. 4 hours.
Exploration, deduction and design of student-selected research topic. Accumulated knowledge and skills are utilized to develop a year-long capstone project. Course Information: Previously listed as AD 412. Prerequisite(s): DES 236 and DES 319. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 481. Graphic Design Thesis II. 4 hours.
Exploration, deduction and design of student-selected research topic. Accumulated knowledge and skills are utilized to develop a year-long capstone project. Course Information: Extensive computer use required. Prerequisite(s): DES 480. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

DES 499. Design Internship. 1 hour.
Academic learning is coupled with professional experience in an off-campus design studio or department. Co-operative education placement is arranged by the student. Course Information: May be repeated for a maximum of 3 hours. Previously listed as AD 499. Requirements of organization offering internship: understanding/agreement that a student intern is a design professional in training (not a volunteer, not a freelancer), positions are paid (at or above federal minimum wage), student is seeking professional experience (not a portfolio piece), setting is a design department or student environment (the student is not the only designer on site), 15 hours per week expected, 20 hours per week maximum. Prerequisite(s): Approval of the Department.

Dialogue (DLG)

Courses

DLG 120. UIC First-Year Dialogue Seminar. 1 hour.
Students become familiar with multidisciplinary theory and research on diversity, social justice, culture, and identity, through participation in critical dialogues with each other to explore differences. Course Information: Satisfactory/Unsatisfactory grading only. Previously listed as CC 120. Some sections of this course meet during weeks 1-8 and other sections meet during weeks 9-16, as described in the Class Schedule.

DLG 220. Intergroup Dialogue. 3 hours.
Designed to promote students' exploration of social identity group membership, conflict, collaboration, and social justice. Each dialogue involves groups with a history of social conflict. Course Information: Prerequisite(s): CC 120. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course, and US Society course*.

Disability and Human Development (DHD)

Courses

DHD 100. Disability and Human Development Seminar. 1 hour.
Introduces students to resources, academic skill building, professional development, and career exploration in the field of Disability and Human Development. Course Information: Meets eight weeks of the semester.

DHD 101. Disability in U.S. Society. 3 hours.
Explores the variety of approaches to understanding disability in personal, social, economic, artistic, and political contexts. Class Schedule Information: To be properly registered, students must enroll ine one Lecture-Discussion and one Discussion. *Individual and Society course, and US Society course*.

DHD 102. Disability in American Film. 3 hours.
Introduces students to the portrayal of disability in American cinema. What does cinema offer to our cultural understanding of disability? Course Information: Previously listed as DHD 176. Class Schedule Information: To be properly registered, students must enroll ine one Lecture-Discussion and one Discussion. *Creative Arts course, and US Society course*.

DHD 103. Radical Inclusion I: Foundations in Intellectual and Developmental Disability. 3 hours.
Introduces critical foundational topics specific to I/DD scholarship, practice, and perspectives, including inclusive technology, academic access, universal design, independent living, and financial equity.

DHD 104. Radical Inclusion II: Contemporary Issues in Intellectual and Developmental Disability. 3 hours.
Introduces critical contemporary topics specific to I/DD scholarship, practice, and perspectives, including critical thinking, creativity, self-advocacy and communication, leadership, problem solving, and teamwork. Course Information: Prerequisite(s): DHD 103; or consent of the instructor.

DHD 201. Disability, Rights, and Culture. 3 hours.
Provides an overview of disability rights and disability culture. Focuses on moral, legal, cultural, and economic aspects of the lives of people with disabilities in history and at present. *Individual and Society course*.

DHD 202. Disability, Health, and Society. 3 hours.
The notion of disability and health through the use of the World Health Organization's (WHO) International Classification of Functioning, Disability, and Health (ICF) focusing on influence of family, culture, and policies. *Individual and Society course*.

DHD 203. Disability in World Cultures. 3 hours.
Examines the ways in which different social, cultural, political and economic systems shape experiences of disability by looking at disability in different contexts throughout the world. Course Information: Recommended background: DHD 101. *World Cultures course*.

DHD 204. Disability in the Humanities. 3 hours.
Provides students with a survey of humanities approaches to the study of disability. The course explores disability in literature, art, performance, mass media, and historical archives. *Creative Arts course*.

DHD 205. Disability, Race, Class and Gender. 3 hours.
Invites students to engage in a critical dialogue around disability, race, class and gender through an intersectional and interdisciplinary frame of analysis. Course Information: Same as GWS 205. *Individual and Society course*.

DHD 420. Mental Health, Asian Americans, and Community Engagement. 3 or 4 hours.
In partnership with Chicago's Asian American communities and using community engagement methodologies, this course will offer an interdisciplinary, team-approach to explore taboo-related mental health issues. Course Information: 3 undergraduate hours. 4 graduate hours.

DHD 440. Introduction to Assistive Technology: Principles and Practice. 3 hours.
Principles and exemplary practice of assistive technology used by individuals with disabilities, including augmentative communication, seating, mobility, computer access, environmental control, home modifications, and worksite modifications. Course Information: Prerequisite(s): Graduate standing or consent of the instructor. Recommended background: Undergraduate enrolled in health sciences, education, or engineering and working professionals seeking to develop assistive technology as an area of concentration.

DHD 441. Adaptive Equipment Design and Fabrication. 3 hours.
Examination of the interaction between design and disability, through comparison of appropriate design theories, materials, and work on consumer-based issues. Course Information: Prerequisite(s): Graduate standing; or DHD 440 and consent of the instructor. Recommended background: Undergraduates enrolled in health sciences, education, or engineering, or working professionals seeking to develop assistive technology as an area of concentration.

DHD 450. Topics in Disability Studies. 3 or 4 hours.
This course will focus on topics structured around particular aspects of Disability Studies and its practical, cultural, and theoretical implications. Course Information: Same as ENGL 450. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as DHD 445. Recommended background: Any of ENGL 207-209, 245, 344, 345, 347, or 350. Junior standing or above.

DHD 494. Special Topics in Disability and Human Development. 1-4 hours.
Systematic study of selected topics in disability and human development. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Graduate standing or consent of the instructor.

Earth and Environmental Sciences (EAES)

Courses

EAES 101. Global Environmental Change. 4 hours.
Natural and anthropogenic controls on the structure and evolution of the earth's surface environment. Interactions among the Earth's solid surface, hydrosphere, atmosphere, and biosphere and human impacts on these processes. Course Information: Field trip required at nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture. *Natural World - With Lab course*.

EAES 105. Climate, Contamination, and Chicago. 2 hours.
Environmental earth science issues relevant to Chicago's economy and history. Course Information: Field trip required at a nominal fee. *Natural World - No Lab course*.

EAES 111. Earth, Energy, and the Environment. 4 hours.
Nature and evolution of Earth from the scale of minerals and rocks to tectonic plates. Earthquakes and volcanoes, their hazards and effects on humans. Natural resources, sources of energy, and their environmental impacts. Course Information: Previously listed as EAES 102. Field trip required at nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture. *Natural World - With Lab course*.

EAES 116. Energy for Future Decision-Makers. 3 hours.
Survey of energy sustainability and environmental issues. All energy forms of production, sources, storage, and uses; their environmental implications on a global scale within the scientific, technological, political, economic, and social context. Course Information: Same as PHYS 116. Recommended background: High school algebra. *Natural World - No Lab course*.

EAES 180. Honors Earth and Environmental Sciences. 1 hour.
Provides honors students with the opportunity to explore in depth a topic treated in the concurrent lecture course. Course Information: May be repeated up to 1 time(s). Students may register in more than one section per term. May be taken a total of 2 times, each time with concurrent registration in EAES 101 or EAES 111. Prerequisite(s): Concurrent registration in EAES 101 or EAES 111. *Honors course*.

EAES 200. Field Work in Missouri. 2 hours.
Field observations in the St. Francois Mountains and vicinity, southeast Missouri. Credit is given upon completion of assignments that include a satisfactory written report. Course Information: Three two-hour meetings and one-week field trip during the spring vacation. Full participation in pre-field trip class meetings is mandatory. Prerequisite(s): Grades of C or better in EAES 101 and EAES 111; or Grade of C or better in EAES 101 and concurrent registration in EAES 111; or Grade of C or better in EAES 111 and concurrent registration in EAES 101. Registration may be limited if student is not majoring in Earth and Environmental Sciences. Recommended Background: Credit or concurrent registration in EAES 230. *Natural World - With Lab course*.

EAES 203. The Science and Rhetorics of Climate Change. 3 hours.
Explores climate change as a physical and cultural phenomenon through the rhetorical analysis of texts, data, and primary research. Course Information: Same as ENGL 203. Extensive computer use required. *Natural World - No Lab course*.

EAES 230. Earth Materials. 4 hours.
Introduction to physical and chemical properties of earth materials, as well as their distribution, through lectures and laboratory exercises. Course Information: Prerequisite(s): Grade of C or better or concurrent registration in EAES 101 and Grade of C or better in EAES 111; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll one Lecture and one Laboratory.

EAES 285. Earth Systems. 4 hours.
Earth systems and global change; global processes, greenhouse gases and global warming; geologic hazards; energy and the environment; human impact on the physical environment; geology of waste management. Course Information: Saturday field trip required at nominal fee. Prerequisite(s): EAES 101 and EAES 111; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

EAES 448. Plate Tectonics. 3 hours.
Basic concepts and recent developments including plate kinematics, marine magnetics and paleomagnetics, evolution of oceanic lithosphere, subduction zones and passive margins. Course Information: Prerequisite(s): EAES 111 or consent of the instructor. Recommended background: Completion of introductory courses in physics and calculus.

EAES 455. Clastic Sedimentology and Sequence Stratigraphy. 4 hours.
Processes, facies, and sedimentary architecture in fluvial, deltaic, coastal, and offshore marine clastic depositional environments. Relative sea-level change and its controls on the stratigraphic record. Basin and reservoir modeling. Course Information: Field trips required at nominal fee. Prerequisite(s): EAES 350 or consent of the instructor.

EAES 460. Earth System History. 4 hours.
Earth history in the context of the interactions of the components of the Earth system; methods used to establish the ages of geologic events and to reconstruct ancient geographies and environments; implications for current issues of global change. Course Information: Field trip required at a nominal fee. Field trip cost assessed prior to trip, depending on destination and vehicle expenses. Prerequisite(s): EAES 230 and EAES 285. Recommended background: EAES 360 and EAES 440 and EAES 350.

EAES 466. Principles of Paleontology. 3 hours.
Theory and methods of evolutionary paleobiology; includes paleoecology, functional morphology, and major features of organic evolution. Course Information: Same as BIOS 466. Prerequisite(s): EAES 360 or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

EAES 470. Environmental Geomorphology. 4 hours.
Quantitative analysis of the mechanics, rates, and distribution of physical processes that modify Earth's and other planets' surfaces. Introduction to field, theoretical, and modelling approaches. Course Information: Prerequisite(s): EAES 230 or EAES 285; and MATH 181; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

EAES 473. Soils and the Environment. 4 hours.
Soil science, emphasizing local soils and parent materials, soil classification and mapping, soil physics, soil gases and greenhouse gas emissions, soil chemistry and biogeochemistry, soil-plant interactions, and soil invertebrates. Course Information: Same as BIOS 473. Field work required. Recommended background: Introductory courses in Chemistry and Biology are recommended. Coursework in EAES (such as EAES 101 and/or 111) is preferred.

EAES 475. Hydrology/Hydrogeology. 3 hours.
The occurrence, storage, movement, and quality of water above, on and below the Earth's surface. Topics progress through atmospheric water vapor processes, Earth surface hydrology, and groundwater hydrology. Course Information: Field trip required at nominal fee. Prerequisite(s): EAES 111; or consent of the instructor. Recommended Background: EAES 285 and EAES 230 and MATH 181. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

EAES 478. Elements of Machining Scientific Equipment. 1 hour.
Elements of machining scientific equipment, including the use of machine shop tools and technical drawing of scientific apparatus. Course Information: Same as CHEM 480 and PHYS 480. Satisfactory/Unsatisfactory grading only. Prerequisite(s): Graduate standing; and approval of the department.

EAES 480. Statistical Methods in Earth and Environmental Sciences. 4 hours.
Techniques of probability and data analysis as applied to problems in environmental sciences. Sampling, statistical inference, descriptive statistics, multivariate methods, time series analysis. Course Information: Prerequisite(s): Completion of at least one 200- or 300-level course in the earth and environmental sciences or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

EAES 484. Planetary Science. 3 hours.
Explores how geologic processes are expressed on bodies in our solar system other than the Earth. Course Information: Prerequisite(s): EAES 230 and EAES 285; or consent of the instructor.

EAES 488. Instrumental Analysis. 3 hours.
Scanning electron microscopy with energy-dispersive system. DC plasma analysis. Course Information: Prerequisite(s): CHEM 114 or CHEM 124 and CHEM 125; and EAES 220; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

EAES 492. Internship in the Earth and Environmental Sciences. 1 hour.
Off-campus participation in governmental or private-sector training program. Credit is contingent on submission of a final report. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated with approval. A combined maximum of 6 hours of credit in EAES 492 and EAES 396 may be applied toward the degree. Prerequisite(s): Approval of the Department.

EAES 494. Current Topics in Earth and Environmental Sciences. 1-4 hours.
Discussion of current research topics in earth and environmental sciences. Course Information: May be repeated to a maximum of 8 hours if topics vary. Students may register in more than one section per term. Prerequisite(s): Junior or Senior standing and 12 hours of advanced courses in earth and environmental sciences are recommended.

Economics (ECON)

Courses

ECON 106. Tobacconomics. 3 hours.
A comprehensive, multidisciplinary overview of tobacco use and its consequences, tobacco control, and related issues, from both a US and global perspective. Course Information: Previously listed as ECON 115. *Individual and Society course, and Natural World - No Lab course*.

ECON 111. Freakonomics. 3 hours.
Introduction to how economists think about problems; how economic analysis illuminates current events and puzzles by focusing on people's responses to incentives. *Individual and Society course*.

ECON 120. Principles of Microeconomics. 0-4 hours.
Scarcity and choice, price system, decision making by consumers, individual and market demand, optimal input decisions by firms, perfect and imperfect competition, international trade. Course Information: College of Business Administration undergraduate students will enroll for 3 hours and all other students will enroll for 4 hours. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course, and US Society course*.

ECON 339. Monetary Theory. 3 hours.
Modern money supply and demand theory; the role of money in domestic and international financial markets and in determining economic growth and inflation. Course Information: Prerequisite(s): ECON 221 or FIN 300.

ECON 342. Regional Economics. 3 hours.
Location of economic activity, systems of cities, economic base theory, regional input-output analysis, neo-classical models of factor mobility and local area economic development. Course Information: Prerequisite(s): ECON 220 or ECON 221 or INST 221.

ECON 344. Behavioral Economics. 3 hours.
Systematic analysis of how people actually make economic decisions, combining microeconomic models with insights from psychology; study of predictably irrational behaviors. Course Information: Prerequisite(s): ECON 220.

ECON 350. Economics of Sports and Entertainment. 3 hours.
Analysis of economic issues in the sports and entertainment industries--industrial organization, financing, pricing, labor, and regulatory issues. Course Information: Prerequisite(s): ECON 220.

ECON 353. Economic Demography. 3 hours.
Analysis of family decision making focusing on the economics of time allocation, marriage, divorce, fertility, and mortality; relationship between population growth and economic development. Course Information: Prerequisite(s): ECON 220.

ECON 370. Environmental Economics. 3 hours.
Analysis of major environmental problems as market and policy failures. Benefit-cost methods evaluated. Equity and efficiency aspects of market-based approaches to environmental policy evaluated. Course Information: Prerequisite(s): ECON 220.

ECON 390. Special Topics in Economics. 3 hours.
Exploration of an area not covered in existing course offerings, or study in greater depth of a subject covered in an existing course. Course Information: Prerequisite(s): Consent of the instructor.

ECON 395. Research and Writing in Economics. 1 hour.
This course is used to identify the "Writing in the Disciplines" requirement. Development of analytical and writing skills in economics. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. Prerequisite(s): Concurrent registration in a designated 300-level economics course.

ECON 399. Independent Study in Economics. 1-3 hours.
Independent study in an area not covered by existing courses or exploration in greater depth of issues covered in a previously taken course. Course Information: May be repeated up to 1 time(s). Prerequisite(s): 9 hours of economics courses at the 300-level or above, an overall GPA of at least 3.25 (A=4.00), and consent of a faculty member and the director of undergraduate studies. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the LAS degree and the major.

ECON 400. Honors Econometrics. 3 or 4 hours.
Estimation of economic relationships and testing of economic hypotheses; ordinary least square regression and extensions; derivations of estimators, proofs of theorems. Course Information: 3 undergraduate hours; 4 graduate hours. Credit is not given for ECON 400 if the student has credit in ECON 300. Prerequisite(s): ECON 120 or ECON 121; and MATH 180; and either ECON 270 or IDS 270.

ECON 436. Mathematical Economics. 3 or 4 hours.
Application of mathematics to theories of consumer and producer behavior, determination of prices in markets, growth and stability features of macroeconomic models. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECON 220; and MATH 180 or MATH 165.

ECON 450. Business Forecasting Using Time Series Methods. 3 or 4 hours.
Autoregressive, moving average, and seasonal models for time series analysis and business forecasting. Forecasting using multi-variable transfer function models. Course Information: Same as IDS 476. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 371 or ECON 300 or ECON 400; or consent of the instructor.

ECON 453. Economics of Family. 3 or 4 hours.
Microeconomic analysis of families' economic decisions such as marriage, fertility, labor supplies, and consumption. Modern econometric methods will be covered to understand recent literature on the topic. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECON 220; and ECON 300 or ECON 400. Recommended background: ECON 331 and ECON 353.

ECON 473. Game Theory. 3 or 4 hours.
Introduction to the basic ideas of game theory. Static and dynamic games; mixed strategies, imperfect information; economic, political and biological applications. Course Information: Same as STAT 473. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): STAT 381; or ECON 270; or equivalents.

ECON 475. Urban Economics and Public Policy. 3 or 4 hours.
Microeconomic analysis of individual and firm location choices and outcomes in urban settings. Modern econometric methods to test theories and evaluate policy interventions. Course Information: 3 undergraduate hours; 4 graduate hours. Extensive computer use required. Prerequisite(s): ECON 220; or ECON 300 or ECON 400; and junior standing or above; or consent of the instructor. Recommended background: ECON 328 and ECON 331 and ECON 332.

ECON 481. Mathematical Methods for Economics. 4 hours.
Survey of mathematical techniques used in applied economics theory and econometrics courses.

ECON 482. Probability and Statistics for Econometrics. 4 hours.
Introduction to methods in probability and statistics that provide a foundation for the applied econometrics and research design courses.

ECON 499. Independent Study in Economics. 1-3 hours.
Independent study of a topic not covered in a graduate-level course. Course Information: Prerequisite(s): Graduate standing and consent of the director of graduate studies and the instructor.

Education (ED)

Courses

ED 100. Introduction to Urban Education. 3 hours.
Introductory and cross-disciplinary examination of issues related to education in urban America, with particular attention paid to policies and practices impacting diversity and equity in public schools. Course Information: Students need College approval to concurrently enroll in ED 100 and ED 205. *Individual and Society course, and US Society course.*

ED 294. Special Topics in Education. 1-4 hours.
Introductory exploration of a topic not covered in existing course offerings. Course Information: May be repeated if topics vary. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

ED 299. Education, Globalization, and the Child. 3 hours.
Examines the experiences of childhood and how educational experiences are often contextualized by region, country, and culture. Students will have an embedded study abroad experience in order to do a comparative analysis. Course Information: Expectation to go abroad. Prerequisite(s): Approval of the Department and GPA of 2.7 or above and good standing; and completion of application from the Study Abroad Office; and completion of interview.

ED 307. Nature and Practices of Natural Sciences. 3 hours.
Learning crosscutting concepts and practices across science and engineering, applying practices in designing, conducting, and presenting a scientific research project, and considering teaching implications for elementary and middle grades students. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

ED 350. Introduction to Urban Communities and Schools: Fieldwork I. 3 hours.
Students will discuss field experiences in schools and communities as opportunities are provided to develop a philosophy and vision of becoming an urban teacher. Extensive fieldwork in schools is required. Course Information: Field work required. Prerequisite(s): Junior standing or above and admission to the Bachelor of Arts in Urban Education, Concentration in the Elementary Education Program. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ED 351. Becoming a Culturally Responsive Educator in the Urban Classroom: Fieldwork II. 4 hours.
Provides students with information and experiences that support culturally responsive teaching and learning in diverse settings. Extensive fieldwork in schools is required. Course Information: Field work required. Prerequisite(s): Junior standing or above and admission to the Bachelor of Arts in Urban Education Program, Elementary Education concentration. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ED 360. Education and Community Transformation. 4 hours.
Enables students to understand how community activism contributes to change in the sociopolitical landscape in the United States and abroad with particular attention to education policies and social justice issues. Course Information: 4 hrs. Field work required. Recommended background: ED 100, ED 135 or ED 205. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

ED 373. Introduction to the School-Prison Nexus. 3 hours.
Using contemporary social theory, this course investigates the disciplining, punishing, and criminalization of youth in urban schools, paying particular attention to the racialized, classed, gendered, and ableist contours of these social processes. Course Information: Same as CLJ 373. Recommended Background: ED 100 and ED 200 and ED 205.

ED 374. Dismantling the School and Prison Nexus. 3 hours.
Political relationship between historically dis-invested K to 12 schools and prisons. Parallels in disciplinary practices and rationales in both. Engagement with affected communities that challenge carceral logics in education. Course Information: Same as CLJ 374. Prerequisite(s): CLJ 101 and two 200-level CLJ courses; or consent of the instructor. Recommended Background: CLJ 373.

ED 375. Perspectives on Health Disparities/Pathways to Careers in the Health Professions. 3 hours.
Addresses health inequities, cultural competence, and opportunities/pathways to traditional and paraprofessional careers in health care. Implications of health inequities for educational outcomes are also covered. Course Information: Extensive computer use required. Field work required. Participation in an interdisciplinary case study project. Prerequisite(s): ENGL 161 or the equivalent and consent of the instructor. Recommended background: Sophomore or Junior standing; and participation in the Urban Health Program Learning Community.

ED 394. Special Topics in Education. 1-4 hours.
Exploration of a topic not covered in existing course offerings. Course Information: May be repeated if topics vary. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

ED 396. Independent Study. 1-4 hours.
For students who wish to do independent study on specific educational processes or independently to carry on projects related to education or extensive reading assignments. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): A written proposal for faculty approval and junior standing.

ED 398. Directed Research in Education. 1-4 hours.
Students carry out directed research under the mentorship of a College of Education faculty member. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 16 hours. Prerequisite(s): Sophomore standing and consent of the instructor.

ED 402. Philosophy of Education and Urban School Policy. 3 hours.
Selected social and education philosophies and their impact on urban school curriculum design, school organization and control.

ED 403. Policy Issues in the History of American Education. 3 hours.
Political, economic, and cultural influences shaping the development of American education policy; emphasis on issues of education theory and practice in their historical settings.

ED 410. Capstone Inquiry on Critical Issues in Education. 3 hours.
Students design and complete projects connected to an educational issue, challenge, or theme. Includes discussion of critical educational issues from cross-disciplinary perspectives. Designed to be a culminating experience. Course Information: Extensive computer use required. Prerequisite(s): Prior College of Education coursework and consent of instructor.

ED 416. Practical Inquiry I: Teacher Competencies and Performance-Based Assessment. 3 hours.
Introduction to examining teaching through practitioner inquiry, including teacher performance assessment, as a way of learning to teach and beginning a lifelong process of professional development.

ED 417. Practical Inquiry II: Teacher Competencies and Performance-Based Assessment. 3 hours.
A developing examination of teaching through practitioner inquiry, including teacher performance teacher assessment, as a way of learning to teach and fostering a lifelong process of professional development.

ED 499. Critical Perspectives on Language Policy and the Construction of Ability in Schools. 4 hours.
Focuses on the role of cultural, historical, and political contexts in shaping language politics regulating school and their implications for notions of competence. Students will do data collection in a study abroad site. Course Information: Recommended background: Conversational Spanish.

Educational Policy Studies (EDPS)

Courses

EDPS 104. Race, Place, and Schooling: Black Americans and Education. 3 hours.
Examination of the social, political, cultural, and economic factors shaping Black Americans' educational experiences in the United States historically and currently. Course Information: Same as BLST 104. *Individual and Society course, and US Society course*.

EDPS 361. Education in Urban Context. 3 hours.
Cross-disciplinary, critical analysis of relationships between public schools and their urban contexts, with attention to implications for teaching and learning. Course Information: Prerequisite(s): Senior standing or above and admission to the Bachelor of Arts in elementary Education program.

EDPS 412. Politics of Urban Education. 3 or 4 hours.
Relations between school governance and politics. The role of educational interest groups, school boards, professional educators, and citizens in formulation and execution of educational policy. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

EDPS 415. Current Controversies in Urban Higher Education. 3 or 4 hours.
Examines critical issues in urban higher education such as academic freedom, free speech, college affordability, alcohol/drugs, and student mental health, as well as the legal consequences of these and other issues. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above.

EDPS 449. Early Childhood /Early Childhood Special Ed: Perspectives, Policies and History. 3 hours.
Perspectives, policies, history, and foundations of Early Childhood Education and Early Childhood Special Education. Emphasis on the effects of changing economic, political, legal, social, and views of human development. Course Information: Same as EPSY 449 and SPED 449.

EDPS 453. Topics in Educational Policy Studies. 3 or 4 hours.
Topics are announced at the time the class is scheduled. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 12 hours.

EDPS 470. Collective Bargaining Practice and Policy in K-12 and Higher Education. 4 hours.
Introduces students to the major issues surrounding collective bargaining practice and policy in K-12 and higher education in Chicago, Illinois, and the U.S. Course Information: Prerequisite(s): Graduate standing; and consent of the instructor.

EDPS 480. Youth Culture Community Organizing and Education. 4 hours.
Introduction to the tenets of community organizing in partnership with contemporary interpretations of youth culture as a means to interpret urban public education. Course Information: Prerequisite(s): Graduate standing; or consent of the instructor. Recommended background: Experience with working with youth in K-12 classrooms, community organizations, community centers, and faith-based groups.

EDPS 488. Education and Social Movements. 3 or 4 hours.
Focuses on relationships between education and social movements in US and internationally. Examines centrality of education in social justice movements, social movements as public pedagogy, and public education as a focus of social justice movements. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of instructor for advanced undergraduates. Recommended background: Coursework in one or more of the following: Sociology, Urban Studies, Black Studies, Gender and Women's Studies, Ethnic Studies, Latinx and Latin American Studies, Critical Theory, Social Foundations of Education.

Educational Psychology (EPSY)

Courses

EPSY 100. Introduction to Human Development and Learning. 3 hours.
Examines basic concepts and theories in human development. Discusses relationships between biological, cognitive, social, and cultural aspects of development with learning across the lifespan. Course Information: Prerequisite(s): Consent of the instructor.

EPSY 150. Human Development and Learning Academic Success. 2 hours.
Provides new students in Human Development & Learning (for example, transfers, first year students) an introduction to the college experience, HDL Program, College of Education, and UIC to facilitate students' adjustment to university life. Course Information: Meets eight weeks of the semester.

EPSY 160. Games, Learning, and Society. 3 hours.
Explores the development and design of games for teaching and learning. Critical analysis of games and how they shape interactions among players, their learning, and their connection to society. Course Information: Same as ED 160. *Individual and Society course*.

EPSY 210. Principles of Learning and Instruction Across the Lifespan. 3 hours.
How people learn and the design of instruction and assessment across a broad set of formal and informal instructional environments and populations. Course Information: Same as ED 210. Prerequisite(s): Sophomore standing or above; or consent of the instructor. Secondary Teacher Education students should enroll in the ED 210 section. All other students should enroll in the EPSY 210 section.

EPSY 242. Introduction to Sexuality Development Across the Lifespan. 3 hours.
Examine all aspects of the development of sexuality across the lifespan. Course covers physiological, cognitive, behavioral, emotional, identity, and relational components of sexuality development and how contextual factors shape sexual development. Course Information: Prerequisite(s): EPSY 100 or PSCH 100. *Individual and Society course*.

EPSY 373. Advanced Research Methods in Human Development and Learning. 3 hours.
Conducting research in human development and learning. Emphasis on designing and implementing studies, analyzing data, interpreting findings, and communicating with the scientific and broader community. Course Information: Prerequisite(s): Grade of C or better in EPSY 363 or equivalent, or consent of instructor.

EPSY 374. Observation, Curriculum, and Learning Environments for Very Young Children. 4 hours.
Explores principles and practices needed to provide high quality infant/toddler care and education. Course Information: Prerequisite(s): EPSY 255. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

EPSY 380. Instructional Design and Training. 3 hours.
An introduction to the field of instructional design and training, current trends and issues impacting the field, and future directions and careers in the field. Topics include visual literacy, ADDIE, technology tools, and technology integration. Course Information: Extensive computer use required.

EPSY 382. Child, Family, and Community. 3 hours.
Explores the importance of relationships between young children, their families, the community, and the early childhood setting. Examines issues of diversity and anti-bias approaches as well as current policies and practices that influence families. Course Information: Prerequisite(s): EPSY 100 or EPSY 255 or EPSY 210; or consent of the instructor.

EPSY 383. Critical Perspectives in Latinx Human Development. 3 hours.
Focuses on the contextual, cultural and societal factors that influence the healthy development of Latinx people in the U.S. Major topics are immigration, racial/ethnic identity, racism, acculturation, resistance and social change. Course Information: Prerequisite(s): EPSY 100 or PSCH 100; or SOC 100 or SOC 105; or LALS 101. Open only to juniors and seniors; or consent of the instructor.

EPSY 396. Independent Study. 1-4 hours.
Students carry out independent study under the direction of educational psychology faculty member. Course Information: May be repeated to a maximum of 16 hours. Prerequisite(s): Sophomore standing or above; and consent of the instructor.

EPSY 398. Directed Research in Human Development and Learning. 1-4 hours.
Students carry out directed research under the mentorship of educational psychology faculty member. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 16 hours. Prerequisite(s): EPSY 363 or equivalent course, and consent of the instructor.

EPSY 400. Print-based Instructional Materials: Design and Development. 3 hours.
Focuses on the design and development process for creating and presenting print-based instructional materials for various learning contexts, to include basic analysis, design, layout, and development guidelines. Course Information: Extensive computer use required.

EPSY 405. Educational Assessment and Evaluation. 3 hours.
Design, administration and scoring of assessments and evaluations useful in educational contexts for measuring different types of learning, program and developmental outcomes, from simple to complex. Course Information: Prerequisite(s): EPSY 255; or junior standing or above; or consent of the instructor.

EPSY 413. Youth Development Colloquium. 1 hour.
Focuses on current issues and trends in the field of youth development. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Junior standing or above.

EPSY 414. Developing Programs For Youth. 3 hours.
Survey, evaluation, and development of models and programs designed to facilitate growth, development and learning for diverse youth. Specific focus will be on planning programs for youth (ages 10 - 25). Course Information: Previously listed as CI 416. Prerequisite(s): Consent of the instructor or enrollment in the Youth Development Program.

EPSY 415. Fieldwork in Human Development and Learning in Urban Contexts. 3 hours.
Experience working with programs that foster the developmental needs of young people in urban contexts. Students will design, implement and evaluate programs that promote personal development and independent action among youth. Course Information: May be repeated to a maximum of 6 hours. Previously listed as CIE 415. Field work required. Prerequisite(s): EPSY 363; and junior standing or above. Recommended background: EPSY 414. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

EPSY 416. Systematic Approaches to Program Quality. 3 hours.
An overview of theories and practical methods in exploring the interrelated system of program development, quality implementation, and evaluation. Relevant for those working in diverse settings and with diverse youth. Course Information: Recommended background: coursework in psychology or educational psychology. Prerequisite(s): EPSY 363 or EPSY 414; or junior standing or above; or consent of the instructor.

EPSY 420. Advanced Social Development of Children in an Urban Context. 3 or 4 hours.
Course examines some general principles of children's (3-14 years old) social development and socialization and the applicability of these principles for urban-dwelling children. Prerequisite(s): Admission to the graduate program in education, psychology, social work, public health, or consent of the instructor.

EPSY 424. Family Diversity and Film: A Resilience Framework. 3 hours.
Examines diverse families through the use of films as "case studies." Using classic/contemporary films that depict multiple family structures, social-classes, and experiences within families, the internal dynamics of family life are explored. Course Information: Extensive computer use required. Prerequisite(s): EPSY 100; or consent of the instructor. Recommended Background: EPSY 100 and SOC 100 and PSCH 100.

EPSY 426. Development, Health and Wellness: Conception to age 8. 4 hours.
Focuses on the developmental processes in cognitive, social/emotional, language, and physical domains. Special consideration will be given to the interaction:health, wellness, social, cultural, and interpersonal environments of children. Course Information: Previously listed as EPSY 526. Field work required. Prerequisite(s): EPSY 255; and senior standing or above. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

EPSY 494. Topics in Educational Psychology. 1-4 hours.
Seminar on a pre-announced topic focusing on methodology, research and educational implications of recent models of learning, problem solving, and thinking. Course Information: May be repeated to a maximum of 12 hours. Prerequisite(s): Consent of the instructor.

EPSY 496. Independent Study. 1-4 hours.
Students carry out independent study under the direction of educational psychology faculty member. Course Information: Prerequisite(s): Junior standing or above; and consent of the instructor.

Electrical and Computer Engineering (ECE)

Courses

ECE 115. Introduction to Electrical and Computer Engineering. 4 hours.
Concepts of electrical and computer engineering including: ciruit analysis, fundamental electromagnetics, electronic devices, sensors, communication, digital logic, programming, numerous practical applicaitons; laboratory. Course Information: Much MATLAB programming, which is taught in the course, is required. Prerequisite(s): Credit or concurrent registration in MATH 180; or Grade of C or better in MATH 165. *Natural World - With Lab course*.

ECE 194. Special Topics in Electrical and Computer Engineering. 1-4 hours.
Multidisciplinary electrical and computer engineering topics at first-year level that vary from term to term depending on current student and instructor interests. Course Information: May be repeated.

ECE 210. Electrical Circuit Analysis. 3 hours.
Linear circuit analysis: networks, network theorems, dependent sources, operational amplifiers, energy storage elements, transient analysis, sinusoidal analysis, frequency response, filters. Laboratory. Course Information: Prerequisite(s): Credit or concurrent registration in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

ECE 225. Circuit Analysis. 4 hours.
Electric circuit elements; Ohm's Law; Kirchhoff's laws; transient and steady-state analysis of circuits; Laplace transform methods; network theorems. Laboratory. Course Information: Credit is not given for ECE 225 if the student has credit for ECE 210. Prerequisite(s): Credit or concurrent registration in MATH 220; and a Grade of C or better in PHYS 142; and Grade of C or better in ECE 115. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 265. Introduction to Logic Design. 4 hours.
Number Systems; Binary arithmetic; Boolean/Logic functions; Boolean Algebra; logic gates, their CMOS design; function minimization, analysis and synthesis of combinational and sequential circuits. Course Information: Credit is not given for ECE 265 if the student has credit for CS 266 or CS 366. Laboratory. Prerequisite(s): MATH 180 and grade of C or better in ECE 115. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

ECE 266. Introduction to Embedded Systems. 4 hours.
Introduction to embedded systems and microcontroller; instruction set; data representations; assembly programming; mixed C/assembly programming; memory organization; interrupt processing; I/O devices and interfacing; programming laboratory. Course Information: Credit is not given for ECE 266 if the student has credit in CS 261. Extensive computer use required. Prerequisite(s): CS 107; and Credit or concurrent registration in ECE 265. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

ECE 267. Computer Organization I. 3 hours.
Introduction to computer organization and assembly language programming. Memory, CPU, and I/O organization. Programming techniques and tools. Course Information: Credit is not given for ECE 267 if the student has credit for CS 266 or CS 366. Prerequisite(s): CS 107; and credit or concurrent registration in ECE 265.

ECE 294. Special Topics in Electrical and Computer Engineering. 1-4 hours.
Multidisciplinary electrical and computer engineering topics at second-year level that vary from term to term depending on current student and instructor interests. Course information: May be repeated if topics vary.

ECE 310. Discrete and Continuous Signals and Systems. 3 hours.
Signals; systems; convolution; discrete and continuous Fourier series and transforms; Z-transforms; Laplace transforms; sampling; frequency response; applications; computer simulations. Course Information: Prerequisite(s): MATH 220 and credit or concurrent registration in ECE 225; or credit or concurrent registration in ECE 210 for non-ECE students.

ECE 311. Communication Engineering. 4 hours.
Continuous-time signals and spectra; amplitude and angle modulation, sampling and quantization theory; digital pulse modulation, error probability, commercial broadcasting practices. Course Information: Prerequisite(s): Grade of C or better in ECE 310; and Credit or concurrent registration in ECE 341. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 317. Digital Signal Processing I. 4 hours.
Sampling theorem; discrete signals and systems; discrete time Fourier transform; DFT; FFT; IIR and FIR digital filter design; stability; DSP applications. Laboratory. Course Information: Prerequisite(s): Grade of C or better in ECE 310. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 322. Introduction to Electromagnetics and Applications. 4 hours.
Transmission lines. Plane waves in various media. Polarization and Stoke's parameters. Scalar and vector potentials. Guided wave propagation. Radiation. Linear antennas and antenna parameters. Course Information: Prerequisite(s): ECE 225. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

ECE 333. Computer Communication Networks I. 4 hours.
A balanced presentation focuses on the internet as a specific motivating example of a network and also introduces internet protocols in a more theoretical context. Course Information: Credit is not given for ECE 333 if the student has credit for CS 450. Prerequisite(s): ECE 341 and CS 107. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 415. Image Analysis and Computer Vision I. 3 or 4 hours.
Image formation, geometry and stereo. Two-dimensional image analysis by fourier and other 2-D transforms. Image enhancement, color, image segmentation, compression, feature extraction, object recognition. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in ECE 310.

ECE 417. Digital Signal Processing II. 0-5 hours.
Computer-aided design of digital filters; FFT algorithms and applications; multirate signal processing and wavelets; random signals and Wiener filtering; basics of 2-D DSP.Course Information: 4 undergraduate hours. 5 graduate hours. Prerequisite(s): ECE 317. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 418. Statistical Digital Signal Processing. 3 or 4 hours.
Stochastic signal models, LMS identification, identification of signals from noise, Wiener filtering, blind separation of mixed signal, discrete Wavelet Transforms, compression and denoising, ceptral analysis. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 317 and ECE 341.

ECE 421. Introduction to Antennas and Wireless Propagation. 3 or 4 hours.
Potential, antenna parameters, radiation from linear wires and loops, impedance, arrays, communication links and path loss, tropospheric propagation, fading and diversity. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 225 and ECE 322.

ECE 423. Electromagnetic Compatibility. 0-5 hours.
EMC requirements for electronic systems. Nonideal behavior of components. Radiated and conducted emissions. Susceptibility. Coupling and shielding. Electrostatic discharge. System design for EMS. Course Information: Prerequisite(s): MATH 310 and ECE 322. To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

ECE 424. RF and Microwave Engineering. 0-5 hours.
Transmission lines, Smith chart, strip, active RF devices and components, power amplifiers, voltage-controlled oscillators, mixers, wireless communication and radar systems, resonators, two-port parameters, power and energy considerations. Course Information: 4 undergraduate hours. 5 graduate hours. Prerequisite(s): ECE 225 and ECE 322. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 432. Digital Communications. 3 or 4 hours.
Source coding, quantization, signal representation, channel noise, optimum signal reception, digital modulation: ASK, PSK, FSK, MSK, M-ary modulation. Probability of error. Inter-symbol interference. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): MATH 310, ECE 311 and ECE 341.

ECE 434. Multimedia Systems. 3 or 4 hours.
Multimedia systems; compression standards; asynchronous transfer mode; Internet; wireless networks; television; videoconferencing; telephony; applications. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): ECE 310.

ECE 436. Computer Communication Networks II. 3 or 4 hours.
Explores integrated network architecture of service, control signaling and management, examples of high-speed LAN/WAN, next generation Internet and mobile wireless network. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): ECE 333.

ECE 437. Wireless Communications. 3 or 4 hours.
Cellular concept, frequency reuse, mobile radio propagation, channel fading, noise in analog communications, mobile radio channel equalization, multiple access techniques (FDMA, TDMA, CDMA), wireless networking. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 311 and ECE 341.

ECE 440. Nanoelectronics. 3 or 4 hours.
Wave-particle duality, Schrodinger equation, atomic orbitals, band theory of solids. Semiconductor and carbon nanoelectronic materials. Nanostructure device fabrication. Nanoelectromechanical systems. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 346; or consent of the instructor.

ECE 442. Power Semiconductor Devices and Integrated Circuits. 0-5 hours.
Encompasses fundamentals of primarily silicon based power semiconductors with regard to basic physical principles, breakdown mechanisms, high voltage bipolar and insulated gate devices, and basic packaging issues.Course Information: 4 undergraduate hours. 5 graduate hours. Credit is not given for ECE 442 if the student has credit for EECS 442. ECE 442 is a supplement for ECE 445 and ECE 545. Prerequisite(s): ECE 346. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

ECE 445. Analysis and Design of Power Electronic Circuits. 0-5 hours.
Analysis of different isolated and non-isolated power-converter topologies, understanding of power-converter components, switching schemes. Course Information: 4 undergraduate hours. 5 graduate hours. Prerequisite(s): ECE 342. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

ECE 448. Transistors. 3 or 4 hours.
Bipolar junction transistors, electronic processes in surface-controlled semiconductor and dielectric devices. Metal oxide semiconductor filed effect transistors, surface and interface effects, diode lasers, integrated optoelectronic devices. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 346.

ECE 449. Microdevices and Micromachining Technology. 0-5 hours.
Microfabrication techniques for microsensors, microstructures, and microdevices. Selected examples of physical/chemical sensors and actuators. Simulation experiments. Course Information: Same as ME 449. 4 undergraduate hours. 5 graduate hours. Laboratory. Prerequisite(s): ECE 347; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ECE 451. Control Engineering. 3 or 4 hours.
Continuous-and discrete-time state-space models; solutions to state equations; stability; reachabilty/controllability, state feedback, tracking; observability, observers, output feedback; optimal control and estimation. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ECE 350; and Grade of C or better in MATH 310.

ECE 452. Robotics: Algorithms and Control. 3 or 4 hours.
Kinematic and dynamic modeling of robots; configuration space; motion planning algorithms; control of robots; sensors and perception; reasoning; mobile robots. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in ECE 310; and MATH 310.

ENGR 111. Engineering Practicum in Additive Manufacturing. 1 hour.
Polymeric materials and process-specific aspects of lab safety; computer aided design for 3D printing including support structures; hand-on 3D printing projects; post-processing; integration with subtractive manufacturing. Course Information: Satisfactory/Unsatisfactory grading only. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): Approval of the Department.

ENGR 112. Engineering Practicum in Subtractive Manufacturing. 1 hour.
Relevant aspects of shop and machine safety; computer aided machining software; usage of manual and computer numerical control mill and router, laser cutter, lathe, drill press, belt sander and cutoff saw; integration with additive manufacturing. Course Information: Satisfactory/Unsatisfactory grading only. Meets eight weeks of the semester. Prerequisite(s): Approval of the Department.

ENGR 189. Minority Engineering Freshman and Transfer Student Orientation. 1 hour.
Orientation for undergraduate minority engineering students; seminars, lectures and workshops by faculty, upperclass students, administration and industry representatives on topics relevant to ethnic minority groups. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Should be taken in the first semester after acceptance into the College of Engineering. Prerequisite(s): Admission to the College of Engineering. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ENGR 193. Engineering Student Leadership Seminar. 1 hour.
Peer student leadership topics in Engineering, team building events, self reflection, feedback and program assessment. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. No graduation credit. Prerequisite(s): Open only to freshmen.

ENGR 194. Special Topics in Engineering. 1-3 hours.
Multidisciplinary engineering topics that vary from term to term depending on current student and instructor interests. Course Information: May be repeated. Students may register in more than one section per term.

ENGR 214. Advanced Practicum in Physical Prototyping. 1 hour.
Advanced design software for digital manufacturing, 3d printing, CNC milling, laser and vinyl cutting, circuit boards and basic electronics and micro-controllers, shop and machine safety, relevant material properties. Course Information: Satisfactory/Unsatisfactory grading only. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): Graduate standing; or consent of the instructor.

ENGR 289. Cooperative Engineering Practice. 0 hours.
Off-campus participation in a governmental or industrial training program. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Prerequisite(s): Enrollment in the Cooperative Engineering Program.

ENGR 293. Engineering Student Leadership Seminar. 1 hour.
Peer student leadership topics in Engineering, team building events, self reflection, feedback and program assessment. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. No graduation credit. Prerequisite(s): Open only to sophomores.

ENGR 294. Special Topics in Engineering. 1-3 hours.
Course on multidisciplinary engineering topics that vary from term to term depending on current student and instructor interests. Course Information: May be repeated. Students may register in more than one section per term.

ENGR 393. Engineering Student Leadership Seminar. 1 hour.
Peer student leadership topics in Engineering, team building events, self reflection, feedback and program assessment. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. No graduate credit. Prerequisite(s): Open only to juniors.

ENGR 394. Special Topics in Engineering. 1-3 hours.
Course on multidisciplinary engineering topics that vary from term to term depending on current student and instructor interests. Course Information: May be repeated. Students may register in more than one section per term.

ENGR 400. Engineering Law. 3 or 4 hours.
Overview of the legal system. Legal principles affecting the engineering profession. Professional ethics in engineering. Intellectual property law. Basic contract and tort principles. Environmental law. Course Information: Same as MENG 400. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

ENGR 401. Engineering Management. 3 or 4 hours.
Theory, strategy, and tactics of the use of project management including project planning, matrix management concept, and team meetings. Course Information: Same as MENG 401. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

ENGR 402. Intellectual Property Law. 3 or 4 hours.
Patent, copyright, trade secret, mask work, and cyber-squatting legal and procedural principles; protection for novel software, biotech inventions, and business methods; and trademark protection for domain names. Course Information: Same as MENG 402. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

ENGR 403. Reliability Engineering. 3 or 4 hours.
Probability overview; statistics overview; system reliability modeling and prediction-static methods; system reliability modeling and prediction-dynamic methods; maintainability and availability; reliability optimization; and risk analysis. Course Information: Same as MENG 403. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

ENGR 404. Entrepreneurship. 3 hours.
Identify new business opportunities in technology, market value assessment, competition, business plan, funding acquisition, intellectual property protection and case studies. Course Information: Prerequisite(s): Open only to seniors; and consent of the instructor.

ENGR 420. Engineering for Success. 1 hour.
Interactive seminars will be given by persons with engineering degrees having shown high achievement in either engineering or non-engineering endeavors. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Junior standing or above.

ENGL 153. Understanding Grammar and Style. 3 hours.
Introduction to basic grammatical structures and semantics of English and general strategies for effective written communication. A focus on interrelationships, how aesthetic choices shape meaning, how grammatical techniques create semantic and stylistic effects. Course Information: Previously listed as ENGL 158.

ENGL 154. Understanding Rhetoric. 3 hours.
An introductory examination of rhetoric as an intellectual force shaping discourse in both academic and public domains. Course Information: Previously listed as ENGL 122. *Creative Arts course, and Individual and Society course*.

ENGL 158. English Grammar and Style. 3 hours.
Basic grammatical structures and semantics and general strategies for effective written communication. A focus on interrelationships, how stylistic choices shape meaning, how grammatical techniques create semantic and aesthetic effects. Course Information: Previously listed as ENGL 200.

ENGL 159. Academic Writing Workshop. 1 hour.
Critical reading and writing genres with an emphasis on argument and sentence-level grammar. Topics/Genres vary by section. Course Information: Extensive computer use required. This class may be taught in an online format. When that is the case, internet access will be required. A high-speed connection is strongly suggested. Please check the online class schedule for online sections. Prerequisite(s): Placement into ENGL 071 and Consent of the Director First-Year Writing Program. Corequisite(s): Students must enroll concurrently in ENGL 160 in their first semester and continue in ENGL 160 throughout the semester. Restricted to Fall semester freshmen.

ENGL 160. Academic Writing I: Writing in Academic and Public Contexts. 3 hours.
Students write in a variety of genres with an emphasis on argument and sentence-level grammar. Topics vary by section. Course Information: Extensive computer use required. This class may be taught in an online format. When that is the case, internet access will be required. A high-speed connection is strongly suggested. Please check the online class schedule for online sections. Prerequisite(s): Eligibility as determined by performance on the Department placement test. Class Schedule Information: Course descriptions for composition courses are available at the First-Year Writing Program website: http://www.uic.edu/depts/engl/programs/1styearwriting/.

ENGL 161. Academic Writing II: Writing for Inquiry and Research. 3 hours.
Students learn about academic inquiry and complete several writing projects including a documented research paper. Topics vary by section. Course Information: Extensive computer use required. This class may be taught in an online format. When that is the case, internet access will be required. A high-speed connection is strongly suggested. Prerequisite(s): ENGL 160 or the equivalent. All students take the Writing Placement test except for those with test-based exemptions noted here. If students place into ENGL 060, ENGL 070, ENGL 071, and ENGL 160, the student must take the course (or courses) prior to enrolling in ENGL 161. Students with an ACT English subscore of 27 or higher, SAT Evidence-Based Critical Reading score of 630 or higher, AP English Language & Composition score of 3 or higher, or IB English Language A: Language & Literature score of 6 or higher, receive credit for ENGL 160 and permission to enroll in ENGL 161. Class Schedule Information: Students may register for any section. Course descriptions for composition courses are available at the First-Year Writing Program website: http://www.uic.edu/depts/engl/programs/1styearwriting/.

ENGL 175. Understanding the Bible as Literature. 3 hours.
A broad overview of various literary genres in the Bible such as origin narrative, historical narrative, poetry, wisdom literature, prophetic/apocalyptic literature, parable, and epistle. Course Information: Same as RELS 175. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Creative Arts course*.

ENGL 198. Field Research in Writing and Rhetoric. 1-3 hours.
Students apply the academic features of reading and writing texts to contexts outside the classroom through the design and execution of field-based research projects. Course Information: Satisfactory/Unsatisfactory grading only. Field work required. May be repeated to a maximum of 8 hours. Prerequisite(s): Consent of the instructor and admission to the Chicago Civic Leadership Certificate Program (CCLCP). Corequisite(s): Students must enroll concurrently in one of four required CCLCP courses, taken during the freshman and sophomore years. Contact program advisor for additional details.

ENGL 203. The Science and Rhetorics of Climate Change. 3 hours.
Explores climate change as a physical and cultural phenomenon through the rhetorical analysis of texts, data, and primary research. Course Information: Same as EAES 203. Extensive computer use required.

ENGL 207. Interpretation and Critical Analysis. 3 hours.
Introduction on how to read, interpret, analyze and write critically about texts and other cultural productions--literary, theoretical, rhetorical, and/or critical. Course Information: Credit is not given for ENGL 207 if the student has credit in ENGL 240. Previously listed as ENGL 240. Recommended background: Completion of ENGL 161 and 3 hours from ENGL 101-125. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Creative Arts course*.

ENGL 208. English Studies I: Beginnings to the 17th Century. 3 hours.
A survey of significant works in the field of English studies, beginnings to the 17th century, their historical, cultural, aesthetic, and rhetorical dimensions, from a number of critical perspectives. Course Information: Credit is not given for ENGL 208 if the student has credit in ENGL 241. Previously listed as ENGL 241. Recommended background: Completion of ENGL 161 and 3 hours from ENGL 101-125. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture-Discussion. *Creative Arts course, and Past course*.

ENGL 209. English Studies II: 17th Century to Today. 3 hours.
A survey of significant works in the field of English studies, from the 17th century to today, their historical, cultural, aesthetic, and rhetorical dimensions, from a number of critical perspectives. Course Information: Credit is not given for ENGL 209 if the student has credit in ENGL 242 or ENGL 243. Previously listed as ENGL 242. Recommended background: Completion of ENGL 161 and 3 hours of ENGL 101-125. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture-Discussion. *Creative Arts course*.

ENGL 213. Introduction to Shakespeare. 3 hours.
Introductory survey of Shakespeare's major plays and poems. Course Information: Previously listed as ENGL 107. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Creative Arts course, and Past course*.

ENGL 267. Introduction to U.S. Latinx Literature. 3 hours.
Introductory survey of a wide range of U.S. Latinx literature in various genres and various ethnic, geographical and historical contexts. Course Information: Same as LALS 267. Previously listed as ENGL 125. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Creative Arts course*.

ENGL 269. Introduction to Multiethnic Literatures in the United States. 3 hours.
Introduction to the literature of diverse racial and ethnic groups in the United States, including questions of representation, class, and difference in relation to realities, attitudes, and beliefs concerning dominant US/American culture. Course Information: Previously listed as ENGL 113. *Creative Arts course, and US Society course*.

ENGL 270. Migration and Diaspora in the Italian and Italian American Experience. 3 hours.
Immigrants' identities as seen through literature, film, television, poetry. Focus will be on Italian and Italian American narratives. Course Information: Same as ITAL 270. Taught in English. Extensive computer use required. No knowledge of Italian required. This course is offered in both face-to-face (16 weeks) and online asynchronous format (8 weeks). Online courses involve heavy computer usage; computer and internet access are required. Check the class schedule for details on specific sections. Recommended background: Completion of the University Writing Requirement. *US Society course*.

ENGL 280. Media and Professional Writing. 3 hours.
Media analysis and writing, including interviews, news, features, and public relations communications. Course Information: Previously listed as ENGL 202. Recommended background: ENGL 161.

ENGL 282. Peer Tutoring in the Writing Center: Introduction to Theory and Practice. 3 hours.
Students study and analyze tutoring, while developing tutoring skills with the support of faculty. Course Information: May be repeated to a maximum of 9 hours. Previously listed as ENGL 222. Students meet once per week and schedule two hours per week to tutor. Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Conference.

ENGL 290. Introduction to the Writing of Poetry. 3 hours.
Practice in writing poetry, beginning with exercises and analysis of published models and advancing toward student presentations of their original works of poetry in class. Workshop format. Course Information: Previously listed as ENGL 210. *Creative Arts course*.

ENGL 291. Introduction to the Writing of Fiction. 3 hours.
Practice in the writing of fiction; emphasis on analysis of student work and published examples. Course Information: Previously listed as ENGL 212. Recommended background: ENGL 207 or ENGL 208 or ENGL 209. *Creative Arts course*.

ENGL 292. Introduction to the Writing of Nonfiction Prose. 3 hours.
Introductory practice in writing personal essays, literary journalism, travel-writing, cultural criticism, or other forms of creative nonfiction prose. Content varies. Course Information: Previously listed as ENGL 201. Recommended background: ENGL 160 and ENGL 161. *Creative Arts course*.

ENGL 295. Latino Literary Studies. 3 hours.
Major trends, genres, works, themes, and writers related to Latino history and culture, mainstream and minority U.S., Latin American and third world literatures. Course Information: Same as LALS 295 and SPAN 295. *Creative Arts course, and US Society course*.

ENGL 297. Studies in the Classical Tradition. 3 hours.
Examination of selected texts of ancient Greek and Roman literature, such as the novel, drama, and epic, and how they inform English and American literature and culture. Course Information: Same as CL 297. Prerequisite(s): CL 102; or consent of the instructor. *Creative Arts course, and Past course*.

ENGL 303. Studies in Poetry. 3 hours.
Survey of traditions and movements in various periods of English, American, and global Anglophone poetry. Course Information: Recommended background: ENGL 103, 207, 208, or 209.

ENGL 304. Studies in Drama. 3 hours.
Survey of an author, topic, or movement in drama. Course Information: Recommended background: ENGL 104, 207, 208, or 209.

ENGL 305. Studies in Fiction. 3 hours.
Survey of a topic or a movement in fiction. Course Information: Recommended background: ENGL 105 or ENGL 207 or ENGL 208 or ENGL 209.

ENGL 311. Medieval English Literature. 3 hours.
Survey of major works from the period 450-1500. Readings may include Beowulf, Chaucer, Langland, the Gawain-poet. Course Information: Recommended background: ENGL 207 and ENGL 208.

ENGL 312. Sixteenth and Seventeenth Century Literature. 3 hours.
Study of important works written in English between 1500 and 1700. Course Information: Recommended background: ENGL 207 and ENGL 208.

ENGL 313. Major Plays of Shakespeare. 3 hours.
Major comedies, histories, tragedies and romances; the development of Shakespeare's career in relation to his theater and his society. Course Information: Recommended background: Recommended background: ENGL 207 and ENGL 208. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

ENGL 314. Milton. 3 hours.
An introduction to Milton's life and works, this course focuses primarily on the major poetry (Paradise Lost, Paradise Regained, Samson Agonistes) and selected prose. Couse Information: Recommended background: ENGL 207 and ENGL 208.

ENGL 315. Eighteenth Century Literature. 3 hours.
Survey of representative texts in the major genres of Restoration and eighteenth-century literature. Course Information: Recommended background: ENGL 207 and ENGL 208.

ENGL 316. British Romantic Literature. 3 hours.
Surveys the work of important British Romantic writers such as Wordsworth, Coleridge, Byron, Austen, and Scott, with particular emphasis on analyzing a variety of typical genres. Course Information: Recommended background: ENGL 207 and ENGL 209.

ENGL 317. Victorian Literature. 3 hours.
Introduction to the literature of the Victorian period in England, with representative fiction, poetry, and non-fictional prose. Some attention to other aspects of Victorian culture (visual arts, architecture, music) as appropriate. Course Information: Recommended background: ENGL 207 and ENGL 209.

ENGL 319. 20th and 21st Century British Literature. 3 hours.
British Literature in the contemporary context. Course Information: Recommended background: ENGL 207 and ENGL 209.

ENGL 369. Multiethnic American Literature. 3 hours.
Representative selections from a number of ethnic and minority literatures. Course Information: Previously listed as ENGL 359. Recommended background: ENGL 207, 209, or 269.

ENGL 376. Literature and Religion. 3 hours.
Studies in the relation of literature to doctrines, imagery, practices, experiences, or history of one or more religious traditions. Course Information: Same as RELS 376. Previously listed as ENGL 343. Recommended background: Any of ENGL 101, 105, 175, or 207-209.

ENGL 378. Special Topics in English Studies. 3 hours.
Selected topics in English Studies. Course Information: May be repeated to a maximum of 9 hours of credit. Previously listed as ENGL 394. Recommended Background: Sophomore standing or above.

ENGL 379. Independent Study in English. 1-3 hours.
Independent study. Course Information: May be repeated to a maximum of 3 hours. This course counts toward the limited number of independent study hours accepted toward the degree and the major. Prerequisite(s): Consent of the instructor. The student must first consult with the instructor of the independent study, and the instructor and Director of Undergraduate Studies must approve the student's written prospectus specifying the topic, required work, and number of credit hours the student will receive for the course. Recommended background: Senior standing.

ENGL 380. Advanced Professional Writing. 3 hours.
Study of genres and forms across the professional spectrum, including but not limited to individual profiles, corporate publications, healthcare newsletters, grant writing. Course Information: Previously listed as ENGL 381. Extensive computer use required. Recommended background: ENGL 161 or ENGL 280; sophomore standing or above.

ENGL 382. Editing and Publishing. 3 hours.
Study of editorial oversight, copyediting technique, style requirements, use of grammar as a stylistic tool, publishing industry standards. Course Information: Recommended background: ENGL 158 or ENGL161 or ENGL 280; and sophomore standing or above.

ENGL 383. Writing Digital and New Media. 3 hours.
Rhetorical, practical and ethical aspects of digital writing; digital literacy, and the use of digital platforms in professional environments. Course Information: Extensive computer use required. Recommended background: ENGL 161 or ENGL 280; sophomore standing or above.

ENGL 384. Technical Writing. 3 hours.
Students will study the conventions and strategies common to the field of technical writing and its forms, including technical reports in science and engineering, technical memos, literature reviews, instructional and procedural materials. Course Information: Recommended background: ENGL 158 or ENGL 161.

ENGL 388. Writing for the Health Professions. 3 hours.
A writing course for pre-health and English students interested in health humanities to explore how structural racism, social inequities, and medical biases perpetuate health disparities, and the ways writing can advocate for health justice. Course Information: Extensive computer use required. Recommended background: ENGL 153 or ENGL 161; Sophomore standing or above.

ENGL 389. Writing for Community Advocacy and Activism. 3 hours.
Topics and genres related to non-profit work, community organizing, social advocacy and activism. Addresses how writing can advocate for social justice; writing across genres, from mission statements, ask letters, social media, grant proposals, etc. Course Information: Extensive computer use required. Recommended background: ENGL 153 or ENGL 161; and ENGL 280; Sophomore standing or above.

ENGL 404. Topics in Performance Studies. 3 or 4 hours.
In-depth study of a topic, movement, artist or author in the field of drama and performance studies, broadly defined. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 438. Recommended background: Any of ENGL 207-209, 304, 313, 330, or 340. Junior standing or above.

ENGL 406. Topics in Poetry and Poetic Theory. 3 or 4 hours.
Investigations into the nature of poetry. Discussions of issues such as technical, theoretical, formal and historical developments. Topics and readings vary. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 437. Recommended background: Any of ENGL 207-209. Six hours at the 300-level. Junior standing above.

ENGL 407. Topics in Fiction and Theories of Fiction. 3 or 4 hours.
Study of fiction related to a particular theory of fiction (Realism, Romance, Literary Naturalism, Narrative Theory, Fictional Poetics). Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 439. Recommended background: Any of ENGL 207-209 or 305. Junior standing or above.

ENGL 409. Topics in Literature and Culture. 3 or 4 hours.
Study of a specific topic relating literature to society, culture, history, race, gender, ethnicity. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time. Previously listed as ENGL 429. Recommended background: Six hours of English at the 300-level or above; and junior standing or above.

ENGL 410. Topics in Old English Literature. 3 or 4 hours.
Studies in the language and literature of pre-Conquest England. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 405. Recommended Background: ENGL 207 and ENGL 208.

ENGL 411. Topics in Medieval Literature. 3 or 4 hours.
Topics in English literature from the period 450-1500. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time. Previously listed as ENGL 408. Recommended background: ENGL 207, ENGL 208, or ENGL 311; junior standing or above.

ENGL 412. Topics in Renaissance Literature and Culture. 3 or 4 hours.
Study of a topic in English literature written between 1500 and 1700. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 416. Recommended background: Any of ENGL 207-209 or ENGL 312-315. Junior standing or above.

ENGL 413. Topics in Shakespeare. 3 or 4 hours.
Study of a genre, topic or period in Shakespeare's work. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Recommended background: Any of ENGL 312-314. Junior standing or above.

ENGL 452. The UIC Freshwater Lab Course. 3 or 4 hours.
Brings a Humanities lens to the Great Lakes watershed to examine how water interacts with socio-political systems, legal structures, cultural perceptions, and artistic visions. Course Information: Same as PA 452 and UPP 452. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ENGL 160 and ENGL 161.

ENGL 453. Freshwater Lab in Practice: Environmental Research, Projects, and Internships. 3 or 4 hours.
Investigates key issues surrounding Great Lakes water governance through a combination of hands-on research and professional development in fields related to environmental policy, planning, writing and communication. Course Information: Same as PA 453 and UPP 453. 3 undergraduate hours; 4 graduate hours. This course offers an internship placement opportunity. Depending on placement/start date, students may begin internship work during the second half of the semester or during the summer. Prerequisite(s): ENGL 160 and ENGL 161.

ENGL 454. Rhetoric. 3 or 4 hours.
Intensive study of central topics in rhetorical theory in their historical depth. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as ENGL 402. Recommended background: Any of ENGL 330, 340, 344, 345, 354, or 355. Junior standing or above.

ENGL 455. Topics in Rhetorical Studies. 3 or 4 hours.
Study of theoretical intersections between Rhetoric and Cultural Studies to describe and explain the ways in which discourse constructs identity, knowledge, and values. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 448. Recommended background: Any of ENGL 207-209, 330, 354, or 355. Junior standing or above.

ENGL 456. Topics in Language and Rhetoric. 3 or 4 hours.
Study of a particular topic or movement in language or rhetoric. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 483. Recommended background: ENGL 354 or ENGL 355. Junior standing or above.

ENGL 457. Topics in the English Language & Linguistics. 3 or 4 hours.
Study of a topic such as language diversity and literacy, theories of grammar, literacy in society, ethnicity and language. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as ENGL 485. Recommended background: ENGL 354 or ENGL 355. Junior standing or above.

ENGL 458. History of the English Language. 3 or 4 hours.
Development of English from its Proto-Indo-European origin to the present; detailed examination of the external and internal history of Old, Middle, and Modern English. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as ENGL 400. Recommended background: ENGL 158 or ENGL 258. Junior standing or above.

ENGL 463. Discourse and Rhetoric. 3 or 4 hours.
Exploration of interconnections between language and social practices with attention to multiple components of discursive situations: senders, receivers, context, code, media, and content. Course Information: Same as COMM 423. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): COMM 301. English majors or minors must seek approval from the Communication department.

ENGL 466. Topics in Multiethnic Literatures in the United States. 3 or 4 hours.
Topics in the literatures of American racial and ethnic groups. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time. Previously listed as ENGL 470. Recommended background: ENGL 207, ENGL 208, ENGL 209, ENGL 269, ENGL 367, or ENGL 369; junior standing or above.

ENGL 467. Topics in Latinx Literature. 3 or 4 hours.
Study of a specific topic in Latinx literature and literary studies, which may examine a single or select group of authors, a particular genre, or a particular regional or aesthetic focus. Topics vary. Course Information: Same as LALS 467. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time. Previously listed as ENGL 442. Recommended background: ENGL 207, ENGL 208, ENGL 209, ENGL 327 or LALS 101, LALS 102; junior standing or above.

ENGL 469. Women's Literary Traditions. 3 or 4 hours.
An exploration of issues such as the female aesthetic; women's popular literature; factors that enable creativity; differences of race and class. Course Information: Same as GWS 469. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ENGL 361 or ENGL 362 or ENGL 363; and senior standing or above; or consent of instructor.

ENGL 473. Topics in Black Literature. 3 or 4 hours.
The study and analysis of selected works of Black literature and culture for students with significant background in the field. Topics vary by semester. Course Information: Same as BLST 490. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): BLST 100; or consent of the instructor.

ENGL 475. The Bible as Literature: Hebrew Bible. 3 or 4 hours.
Literary analysis of genres and themes of the Hebrew Bible and close reading of the biblical texts. Sources of the Bible and their historical context. Course Information: Same as JST 475 and RELS 475. 3 undergraduate hours. 4 graduate hours. Previously listed as ENGL 478. Taught in English. Recommended background: Any of ENGL 175 or ENGL 207-209.

ENGL 476. The Bible as Literature: New Testament. 3 or 4 hours.
Literary analysis of the New Testament and its historical and religious contexts, focusing on the gospels and Pauline letters. Course Information: Same as RELS 476. 3 undergraduate hours. 4 graduate hours. Previously listed as ENGL 479. Recommended background: Any of ENGL 175, 207-209, 475.

ENGL 480. Introduction to the Teaching of English in Middle and Secondary Schools. 3 or 4 hours.
Intended as a general initiation to the field of secondary English teaching, the course focuses on many of the crucial issues facing teachers in contemporary language arts classrooms. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as ENGL 459. Field work required. Prerequisite(s): Completion of the University Writing requirement; and sophomore standing or above.

ENGL 482. Campus Writing Consultants. 4 hours.
Tutoring in the Writing Center. Students are required to consult with others on their writing. Emphasis on practice and theories of writing. Appropriate for prospective teachers. Course Information: Prerequisite(s): Senior standing or 9 hours of English and consent of the instructor. Students must obtain override from the Writing Center. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Practice.

English Language and Support for Internationals (ELSI)

Courses

ELSI 010. Reading/Writing. 10 hours.
Develops reading, writing, vocabulary, and grammar skills as well as cultural awareness and preparation for the U.S. academic environment through activities appropriate to the student's level. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Previously listed as CC 060. Taught in English. Corequisite(s): One of the following as assigned through placement testing: ELSI 021, ELSI 022, ELSI 023, ELSI 024, ELSI 025.

ELSI 011. Reading/Writing 1, Intensive English for High-Beginning Non-Native Speakers. 10 hours.
Development of reading, writing, vocabulary, and grammar skills in English as well as cultural awareness and preparation for the U.S. academic environment. For students at a high beginning language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit. Prerequisite(s): Appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at an A1+ CEFR level.

ELSI 012. Reading/Writing 2, Intensive English for Low Intermediate Non-Native Speakers. 10 hours.
Development of reading, writing, vocabulary, and grammar skills in English and cultural awareness and prepare for the U.S. academic environment. For students at a low intermediate language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): ELSI 011 or appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at an A2+ CEFR level.

ELSI 013. Reading/Writing 3, Intensive English for Mid-Intermediate Non-Native Speakers. 10 hours.
Development of reading, writing, vocabulary, and grammar skills in English and cultural awareness and prepare for the U.S. academic environment. For students at a mid- intermediate language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): ELSI 012; or approval of the department or appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1-CEFR level.

ELSI 014. Reading/Writing 4, Intensive English for High Intermediate Non-Native Speakers. 10 hours.
Development of reading, writing, vocabulary, and grammar skills in English and cultural awareness and prepare for the U.S. academic environment. For students at a high intermediate language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): ELSI 013 ; or appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1 CEFR level.

ELSI 015. Advanced Academic Skills, Intensive English for Advanced Non-Native Speakers. 10 hours.
Development of academic, professional, and linguistic skills in English and cultural awareness and preparation for the U.S. academic environment. For students at an advanced language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): ELSI 014 ; or appropriate score on the department placement test. Recommended Background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 020. Listening/Speaking. 10 hours.
Develops listening, speaking, vocabulary, and grammar skills as well as cultural awareness and preparation for the U.S. academic environment through activities appropriate to the student's level. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Previously listed as CC 050. Taught in English. Corequisite(s): One of the following as assigned through placement testing: ELSI 011, ELSI 012, ELSI 013, ELSI 014, ELSI 015.

ELSI 021. Listening/Speaking 1, Intensive English for High-Beginning Non-Native Speakers. 10 hours.
Development of listening, speaking, pronunciation, vocabulary, and grammar skills in English as well as cultural awareness and preparation for the U.S. academic environment. For students at a high beginning language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): Appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at an A1+ CEFR level.

ELSI 022. Listening/Speaking 2, Intensive English for Low Intermediate Non-Native Speakers. 10 hours.
Development of listening, speaking, pronunciation, vocabulary, and grammar skills in English as well as cultural awareness and preparation for the U.S. academic environment. For students at a low intermediate language proficiency level. Course Information: Satisfactory/Unsatisfactory grading only. Taught in English. Open only to non-native speakers of English. No graduation credit given. Prerequisite(s): Credit or concurrent registration in ELSI 021; or appropriate score on the department placement test. Recommended Background: Students in this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at an A2+ CEFR level.

ELSI 045. Reading for Academic Purposes. 3 hours.
Reading for Academic Purposes is a companion course for ELSI 043 English for Academic Purposes II that provides students with strategies and additional practice for improving various academic reading skills to aid comprehension and fluency. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit given. Recommended Background: Students in this course are expected to have the syntactic, phonological. semantic, and rhetorical English language skills needed to function at a B2 CEFR Level. Corequisite(s): Requires concurrent registration in ELSI 043.

ELSI 047. Live, Learn, Grow: Foundation. 1 hour.
This foundation semester provides students with essential information and exposure to key services at a university. It also helps to familiarize students with their physical and cultural surroundings. Course Information: Satisfactory/Unsatisfactory grading only. Previously listed as ASP 033. No graduation credit given. Prerequisite(s): For UIC Global International Accelerator Program (IAP) students entering at the Extended Accelerator Program level.

ELSI 048. Live, Learn, Grow: Bridge. 1 hour.
Bridge semester of Live Learn Grow series focuses on exploring and developing personal qualities that foster student success in various interpersonal dynamics, analyzing career and life prospects, and further surveying campus and community services. Course Information: Satisfactory/Unsatisfactory grading only. Previously listed as ASP 034. No graduation credit given. Prerequisite(s): For UIC Global International Accelerator Program (IAP) students entering at the Academic Accelerator Program level and all students who completed ELSI 047 in the previous semester.

ELSI 049. Live, Learn, Grow: Learning Track. 1 hour.
In this third Learning Track term of the freshman orientation series, the focus will be on the continuation of the development of students' future outlook by guiding their examination of education, career, and networking opportunities. Course Information: Satisfactory/Unsatisfactory grading only. Previously listed as ASP 035. No graduation credit given. Prerequisite(s): For UIC Global International Accelerator Program (IAP) students entering at the Academic Accelerator Program level and all students who completed ELSI 048 in the previous semester.

ELSI 061. Introduction to Applied Linguistics. 1-6 hours.
Introduction to linguistic concepts including the nature of language, non-native language acquisition, intercultural communication, and the structure of English with a focus on how concepts apply to language teaching. Course Information: May be repeated. No graduation credit. Extensive computer use required. Meets eight weeks of the semester. Taught online.

ELSI 062. Language Teaching Methodologies. 1-6 hours.
Focuses on effective language instruction and assessment. Provides best practices for teaching languages including TESOL. Course Information: May be repeated. No graduation credit. Extensive computer use required. Meets eight weeks of the semester. Taught online.

ELSI 069. Practicum in Language Teaching. 1-6 hours.
Focuses on the experience of teaching a language with guidance from an experienced instructor. Course Information: May be repeated. Students may register in term A and term B. No graduation credit. Extensive computer use required. Field work required. Meets eight weeks of the semester. Taught online.

ELSI 070. Pronunciation. 1-6 hours.
Teaches pronunciation and speech modification techniques such as sounds, stress, rhythm, intonation, and pitch to intermediate and advanced non-native speakers of English. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 071. Test Preparation. 1-6 hours.
Prepares students for a specific standardized test. Test varies by course section. Students gain experience and confidence with the specific test, awareness of its specific characteristics, and learn specific techniques and skills needed for success. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 073. Test Preparation: Reading and Listening. 1-6 hours.
Teaches test-taking strategies for the Reading and Listening sections of the standardized test of focus. Students receive feedback, working at their own pace reviewing presentations, studying vocabulary, and completing practice exercises and tests. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Taught on-line. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 074. Test Preparation: Writing. 1-6 hours.
Teaches test-taking strategies for the writing section of standardized tests. Students work at their own pace reviewing presentations, studying grammar, and completing practice tasks and tests, and receive feedback from instructors. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Taught online. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 075. Test Preparation: Speaking. 1-6 hours.
Teaches test-taking strategies for the speaking section of standardized tests. Students work at their own pace reviewing presentations, listening to sample responses, and completing practice tasks and tests, and receive feedback from instructors. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Taught online. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 087. Approaches to Evidence-Based Writing. 1-6 hours.
Develop and sharpen academic and professional reading and writing skills and strategies in English. Emphasis on research-based writing, including summary-response essays, an annotated bibliography, and a synthesized overview of selected articles. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Prerequisite(s): ELSI 014; or appropriate score on the department placement test; or approval of the department. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 088. Critical Reading: Preparation for Written and Oral Communication. 1-6 hours.
Centers on developing the critical reading skills needed to both academically and professionally succeed. Through engaging with a variety of sources, students will apply the target skills both orally and in writing. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Prerequisite(s): ELSI 014; or appropriate score on the department placement test; or approval of the department. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 089. Using Evidence-Based Writing in Your Profession. 1-6 hours.
Aims to apply critical reading skills to generate researched-based writing. Participants critically analyze field-specific writing and conduct research within academic and professional contexts to produce foundational research pieces. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Prerequisite(s): ELSI 014; or appropriate score on the department placement test; or approval of the department. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 090. Chicago, Communication, and Culture. 1-6 hours.
Participants explore Chicago and improve their English. Students receive classroom language instruction, then leave the campus for instructor-guided language practice in the city. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 091. English for Specific Fields. 1-20 hours.
Designed to develop the English language skills, vocabulary, and communicative functions of students in specific fields, enabling them to participate in activities in an American academic or professional context. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

ELSI 092. English for Specific Fields II. 1-20 hours.
Designed to expand students' facility with English terminology in their field and improve performance with tasks related to their academic and professional careers. Activities relate to a specific field of study. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. No graduation credit. Open only to non-native speakers of English. Non-native English speakers interested in this course should contact the Tutorium in Intensive English at tutorium@uic.edu. Prerequisite(s): ELSI 091. Recommended background: Students entering this course are expected to have the syntactic, phonological, semantic, and rhetorical English language skills needed to function at a B1+ CEFR level.

Entrepreneurship (ENTR)

Courses

ENTR 200. Survey of Entrepreneurship. 3 hours.
Introduces the discipline of entrepreneurship, which examines when, how and by what means individuals choose entrepreneurship over paid employment; examines the relationship between individual entrepreneurs and society over time. Course Information: Previously listed as ENTR 300. Prerequisite(s): ENGL 161. *Individual and Society course, and US Society course*.

ENTR 310. Introduction to Entrepreneurship. 3 hours.
Introduction to the concepts of entrepreneurship, opportunity recognition, characteristics of entrepreneurs, creativity, the role of the entrepreneur in the economy and society, and entrepreneurship in non-entrepreneurial settings. Course Information: Prerequisite(s): BA 200 and ENGL 161; or ENTR 200 and ENGL 161.

ENTR 320. Entrepreneurship Internship Program. 1 or 3 hour.
Cooperative education provides students an opportunity to gain access to mentors and practical work experience in entrepreneurial settings. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximamum of 6 hours. Prerequisite(s): ENTR 310.

ENTR 360. Strategic Analysis and Reporting. 3 hours.
Examines types and sources of information used by managers and investors to make strategic decisions; provides working knowledge of tools used to effectively manage, analyze and report strategic information, including Excel, Tableau, and PowerPoint. Course Information: Same as MGMT 360. Extensive computer use required. Prerequisite(s): IDS 200 and IDS 270 and ACTG 210 and BA 200 and MGMT 340 and MGMT 355; or consent of the instructor.

ENTR 420. Social Entrepreneurship. 3 hours.
Focuses on using entrepreneurial skills to craft innovative responses to social problems. Social entrepreneurship applies to both profit and non-profit firms that have programs designed to create social value. Course Information: Prerequisite(s): ENTR 310.

FIN 396. Independent Study. 1-3 hours.
Independent study, under the direction of a faculty member, must be arranged before the start of the semester. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor, and the Department Head.

FIN 411. Retirement and Estate Planning. 3 hours.
Provides tools for a financial planner to advise clients on issues of education, retirement, and estate planning, accounting for numerous tax implications. Course Information: Prerequisite(s): FIN 250.

FIN 412. Portfolio Management. 3 hours.
Development of portfolio theory; establishment of portfolio objectives for individuals, corporations, banks, pension and mutual funds; evaluation of portfolio performance. Course Information: Prerequisite(s): FIN 310.

FIN 414. Financial Plan Development. 3 or 4 hours.
Multifaceted task of financial plans, wealth accumulation, includes employee benefit programs, insurance policies, investments, estate planning, federal income tax, annuities, banking, borrowing. Students develop financial plans, orally and written. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): FIN 250. Recommended background: FIN 300; or FIN 301 and FIN 302.

FIN 415. Fixed Income Securities. 3 hours.
Valuation of fixed income securities, term structure estimation and arbitrage trading with practical application using real data. Course Information: Prerequisite(s): FIN 310.

FIN 416. Options and Futures Markets. 3 hours.
History and institutional structure of options and futures markets. Uses of futures and options for arbitrage, speculation and hedging by managers of domestic and multinational organizations. Analysis of factors which determine futures and options prices. Course Information: Prerequisite(s): FIN 310.

FIN 418. Commodities, Energy, and Related Markets. 3 or 4 hours.
Covers markets; physicality; laws and regulations; market participants; fundamentals (ags, metals, petroleum, electricity, emissions, and shipping); spreads; options; and, risk management. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): FIN 310; and FIN 330 or IDS 270 (undergraduate students); FIN 510 (graduate students). Recommended background: IDS 371 (undergraduate students); IDS 570 (graduate students).

FIN 419. Behavioral Finance. 3 or 4 hours.
Provides an understanding of the individuals' behavioral biases and their effects on financial markets. Course Information: 3 undergraduate hours. 4 graduate hours. Graduate students are expected to complete a term project to meet the additional credit hour requirement. Prerequisite(s): FIN 300; or FIN 301 and FIN 302; or consent of the instructor.

FIN 421. Advanced Corporate Finance. 3 or 4 hours.
Uses the case method to provide an in-depth treatment of corporate financial decisions pertaining to investment and financing choices, corporate policies, and valuation of businesses. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): FIN 320. Recommended background: Understanding financial statements, time value of money, rates of return, market efficiency, and basic concepts of risk, and discount rates. This class cannot serve as an introductory level course for unprepared students. For students who lack confidence in their mastery of the prerequisite material, self-study review of chapters 1–12 of Essentials of Corporate Finance by Ross, Westerfield, and Jordan, the required text for FIN 320, is strongly recommended.

FIN 422. Alternative Investments: Venture Capital, Private Equity, and Hedge Funds. 3 hours.
Aims to help students understand the investment opportunities available in venture capital, private equity, and hedge funds, both from a quantitative and a qualitative perspective, using a combination of lectures and case discussions. Course Information: Credit is not given for FIN 422 if the student has credit in FIN 445. Prerequisite(s): FIN 300; or FIN 301 and FIN 302. Recommended background: FIN 310 and FIN 320.

FIN 423. Financial Modeling, Analysis, and Decision Making. 3 hours.
Teaches financial modeling and firm valuation skills using a set of case studies. Using financial data from real firms, students compute and forecast cash flows to evaluation day-to-day business decisions. Course Information: Extensive computer use required. Prerequisite(s): FIN 300; or FIN 301 and FIN 302.

FIN 424. Financial Communication. 3 hours.
This learn-by-doing course concentrates on developing strong communication skills with topics based on economic and financial scenarios. Course Information: Prerequisite(s): FIN 300 or FIN 301. Recommended background: Basic Excel and PowerPoint skills.

FIN 425. Energy Finance. 3 hours.
Addresses finance topics in the context of the energy industry, including valuation, lending, trading, and risk management. Course Information: Extensive computer use required. Prerequisite(s): FIN 300; or FIN 301 and FIN 302. Recommended background: FIN 310 and FIN 320.

FIN 430. Introduction to Money and Banking. 3 hours.
Payment and banking systems; credit and market risk management; The Federal Reserve System; globalization of monetary, banking, and regulatory systems. Course Information: Prerequisite(s): FIN 300; or FIN 301 and FIN 302.

FIN 431. Management in the Financial Services Industry. 3 hours.
The principles of management of corporations in the financial services industry, emphasizing commercial bank management and risk. Methodology includes computerized bank management simulation or case studies. Course Information: Prerequisite(s): FIN 300.

FIN 442. International Corporate Financial Management. 3 hours.
Financial management within an international context. International monetary system and financial markets, management of foreign investments, working capital management, exchange risks, taxation and earnings reports. Course Information: Prerequisite(s): FIN 300; or FIN 301 and FIN 302.

FIN 445. Financing Entrepreneurship. 3 hours.
Helps students understand the opportunities and challenges faced by entrepreneurs seeking to finance high-potential ventures by raising venture capital or other forms of private equity or debt. Course Information: Credit is not given for FIN 445 if the student has credit in FIN 422 or ENTR 444. Recommended background: FIN 300; or FIN 301 and FIN 302.

FIN 449. Applied Equity Investment Management. 3 hours.
Puts financial theory to practice by giving students real life, hands-on experience in managing an equity investment process, from stock selection to portfolio management. Course Information: Prerequisite(s): FIN 310. Recommended background: A keen interest/ passion for the markets in general and the equity markets in particular.

FR 104. Intermediate French II. 4 hours.
Intensive practice in conversation (speaking, listening), reading, composition; vocabulary and grammar acquisition and practice. Course Information: Extensive computer use required. This is a blended-online and classroom course. Use of a computer and internet access is required. A high-speed connection, while not required, is strongly suggested. Prerequisite(s): FR 103; or appropriate score on the department placement test. Class Schedule Information: During the fall and spring terms, combined-section final exam will be held Tuesday of finals week from 6 to 8 p.m.

FR 191. African and Caribbean Francophone Literature in Translation. 3 hours.
An introduction to the Francophone literature of Africa and the Caribbean and to its historical and cultural contexts. Course Information: Same as BLST 191. *Creative Arts course, and World Cultures course*.

FR 196. Totalitarianism, Writing and Cinema. 3 hours.
An introduction to French, Spanish, and Italian writing and films dealing with the issue of totalitarianism. Various authors are examined within a broad context of European thinking on totalitarianism. Course Information: Same as ITAL 196, and SPAN 196. Taught in English. Two additional hours for viewing films (every two weeks). Prerequisite(s): Consent of the instructor.

FR 211. French in the Professions. 3 hours.
Introduction to the vocabulary, practices, history, and expectations of a professional field in France, including science, law, medicine, business and human rights. High-intermediate language training using authentic texts. Topics will vary. Prerequisite(s): FR 104 (or equivalent), or consent of instructor.

FR 212. Stories, Sights, and Sounds from the French-Speaking World. 3 hours.
An introduction to the culture, history, and geography of the French-speaking world outside of France, including Sub-Saharan Africa, North Africa, Quebec, and the Caribbean. Prerequisite(s): FR 104 (or equivalent), or consent of the instructor.

FR 213. France Past and Present. 3 hours.
An overview of the cultural history of France through literary texts, original source documents and other cultural artifacts. Prerequisite(s): FR 104 (or equivalent), or consent of the instructor.

FR 214. Conversational French through Popular Culture and Media. 3 hours.
Exploration of French popular culture and media using authentic materials. Intermediate to advanced training in developing and refining communication skills with emphasis on pronunciation, idiomatic expressions, and monitoring grammatical errors. Prerequisite(s): FR 104 (or equivalent), or consent of the instructor.

FR 295. Science Fiction and Fantasy in the French-Speaking World. 3 hours.
An exploration of science fiction and fantasy through literature, graphic novels, and film in the French-speaking world. Course Information: Taught in English. Recommended background: Successful completion of a 100-level class in the Humanities and ENGL 160 and ENGL 161. *Creative Arts course, and World Cultures course*.

FR 296. Independent Study. 1-3 hours.
For majors and minors in French who wish to supplement regular courses or undertake individual study projects. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Approval of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

FR 297. Paris in Literature, Film, and Culture. 3 hours.
Examines cultural and literary representations of Paris as well as the influence of Parisian urbanism on French cultural and literary genres and forms. Course Information: Taught in English. *Creative Arts course, and World Cultures course*.

FR 298. French Literature, Drama and/or Film in Translation. 3 hours.
In-depth examination of a topic relevant to French literature, culture, or film, focusing on critical thinking and analysis. Course Information: Previously listed as FR 198. Taught in English. Recommended Background: Successful completion of a 100-level class in the Humanities and ENGL 160 and ENGL 161. *Creative Arts course, and World Cultures course*.

FR 300. Topics in Film and Media of the French-Speaking World. 3 hours.
Introduction to film history and analysis; includes reading, writing, and speaking about both film and text. Prerequisite(s): Two 200-level French courses (or equivalent); or one 200-level French course plus concurrent registration in a second 200-level French course; or consent of the instructor.

FR 301. Topics in French and Francophone Literature. 3 hours.
Intensive study of a period, theme, genre, or author within French or Francophone literature, with emphasis on literary analysis and critical writing. Course Information: May be repeated up to 1 time(s) if topics vary. Taught in French. Prerequisite(s): Grade of C or better in FR 211 or Grade of C or better in FR 212 or Grade of C or better in FR 213 or Grade of C or better in FR 214; and Grade of C or better or concurrent registration in FR 211 or Grade of C or better or concurrent registration in FR 212 or Grade of C or better or concurrent registration in FR 213 or Grade of C or better or concurrent registration in FR 214; or consent of the instructor.

FR 302. Topics in French and Francophone Culture. 3 hours.
Intensive study of French or Francophone culture within a particular period; focus on literary and/or historical texts in the context of social and intellectual movements. Course Information: May be repeated up to 1 time(s) if topics vary. Taught in French. Prerequisite(s): Grade of C or better in FR 211 or Grade of C or better in FR 212 or Grade of C or better in FR 213 or Grade of C or better in FR 214; and Grade of C or better or concurrent registration in FR 211 or Grade of C or better or concurrent registration in FR 212 or Grade of C or better or concurrent registration in FR 213 or Grade of C or better or concurrent registration in FR 214; or consent of the instructor.

FR 303. Writing in the Discipline. 1 hour.
Focus on raising students' skills of written expression and critical research in French to a high level proficiency. Course Information: Taught in French. Prerequisite(s): Junior standing or above, and approval of the department. Corequisite(s): In order to register for FR 303, students must be concurrently registered for either FR 300, FR 301 or FR 302.

FR 370. Writing and Research in the Major. 1 hour.
Perfecting writing and expository skills in English. Required for majors in the department. Course Information: Same as ITAL 370 and SPAN 370. Prerequisite(s): Junior or senior standing and approval of the department.

FR 464. Topics in French Cultural Studies. 3 or 4 hours.
An interdisciplinary approach to French culture, including history, literature, beaux-arts, and philosophy. Each topic focuses on a specific period between the Middle Ages and the present. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 2 time(s), if topics vary. Taught in French. Prerequisite(s): Grade of C or better or concurrent registration in FR 300 or Grade of C or better or concurrent registration in FR 301 or Grade of C or better or concurrent registration in FR 302; and consent of the instructor.

FR 470. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

FR 471. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in FR 470, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

FR 496. Independent Study. 1-4 hours.
Supervised study in an area not covered by regularly scheduled courses under the direction of a faculty member designated by the chairperson of the department. Course Information: Prerequisite(s): French major with senior or graduate standing and consent of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

Gender and Women's Studies (GWS)

Courses

GWS 101. Gender in Everyday Life. 3 hours.
An interdisciplinary introduction to GWS that draws on the humanities and social sciences. Emphasizes intersections of gender, race, sexuality, class, and nation. Addresses historical and contemporary debates, focusing primarily on U.S. concerns. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and US Society course*.

GWS 102. Global Perspectives on Women and Gender. 3 hours.
An interdisciplinary introduction to Gender and Women's Studies that draws on the humanities and social sciences. Emphasizes intersections among gender, race, sexuality, class and nation. Addresses historical and contemporary debates, focusing primarily on global concerns. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and World Cultures course*.

GWS 120. Study of Gender, Class, and Political Issues in German Texts. 3 hours.
Portrayal of relationships between men and women, classes, and political interest groups in German literature. Course Information: Same as GER 120. No credit toward a major or minor program offered by the Department of Germanic Studies. Readings, lectures, and discussions in English. *Individual and Society course, and World Cultures course*.

GWS 192. Latin American Women Writers in Translation. 3 hours.
Introduction to literature by Latin American women from the seventeenth century to the present. Focus on the role literature has played in the negotiation of gender identities in the private and the public spheres. Course Information: Same as LALS 192, and SPAN 192. No credit toward any major or minor program in Spanish. Taught in English. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course, and World Cultures course*.

GWS 202. Comparative Social Movements. 3 hours.
International social movements involving issues of women, gender, and sexuality. Content varies. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): GWS 101 or GWS 102 or consent of the instructor.

GWS 203. Introduction to Lesbian, Gay, Bisexual, Transgender, and Queer Studies. 3 hours.
LGBTQ studies; current personal, political, and cultural issues, including: coming out, hate crimes, transgender communities, queer of color critique, military, AIDS, families, religion, activism, representations in literature, film, and media.

GWS 204. Gender and Popular Culture. 3 hours.
Analysis of representations of gender and sexuality in popular and material culture, using contemporary theories. Focus is on US popular culture. Course Information: Same as COMM 204. Prerequisite(s): Sophomore standing or above; or consent of the instructor. Recommended background: Credit or concurrent registration in GWS 101 or Credit or concurrent registration in COMM 102 or Credit or concurrent registration in GWS 102 or Credit or concurrent registration in COMM 103. *Individual and Society course, and US Society course*.

GWS 205. Disability, Race, Class and Gender. 3 hours.
Invites students to engage in a critical dialogue around disability, race, class and gender through an intersectional and interdisciplinary frame of analysis. Course Information: Same as DHD 205. *Individual and Society course*.

GWS 211. Sex and Gender in the Ancient World. 3 hours.
An exploration of the construction of gender and its relationship to love and sexuality in the ancient world through literature and art. Course Information: Same as CL 211. Prerequisite(s): Sophomore standing or above.

GWS 224. Gender and Society. 3 hours.
Sociological perspectives on gender as a factor in social stratification; gender role acquisition; individual and social consequences of changing social definitions of gender roles. Course Information: Same as SOC 224. Prerequisite(s): SOC 100 or GWS 101 or GWS 102. *Individual and Society course, and US Society course*.

GWS 232. Sex Roles: Moral and Political Issues. 3 hours.
Philosophical inquiry into controversies surrounding the changing roles of men and women. Course Information: Same as PHIL 232. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

GWS 304. Gender and Communcation. 3 hours.
Speech differences and universals across genders. Talk in male-female interaction. Communication in romantic relationships. Gender issues in work settings. Course Information: Same as COMM 304. Prerequisite(s): COMM 200 and COMM 201; or GWS 204.

GWS 311. Gender and Sexuality in Early Christianity and Judaism. 3 hours.
Examination of the root of contemporary perspectives on gender and sexuality in the early traditions of Judaism and Christianity including the Bible, the Epic of Gilgamesh, the Church Fathers, the Talmud, and legends of the saints. Course Information: Same as JST 311 and RELS 311.

GWS 315. Psychology of Women and Gender. 3 hours.
Critical examination of research on women and gender across the life span, including psychological aspects of reproduction, and the way that gender shapes cognition, sexuality, family, friendship, and work experiences. Course Information: Same as PSCH 315. Prerequisite(s): Grade of C or better in PSCH 242 or consent of the instructor.

GWS 344. Gender Theory. 3 hours.
Survey of theories of gender in culture. Course Information: Same as ENGL 344. Previously listed as GWS 361. Recommended background: Any of ENGL 207-209, ENGL 245, or GWS 101-102.

GWS 345. Queer Theory. 3 hours.
Survey of theoretical concerns and historical issues that inform and shape the field of queer studies. Course Information: Same as ENGL 345. Previously listed as GWS 362. Recommended background: Any of ENGL 207-209, ENGL 245, or GWS 203.

GWS 347. Gender and Sexuality in Literature. 3 hours.
A survey of works that take the status of gender and sexuality as one of their central thematic or aesthetic concerns. Course Information: Same as ENGL 347. Previously listed as GWS 363. Recommended background: Any of ENGL 207-209, ENGL 247, or GWS 101-102.

GWS 356. Constitutional Law: Women, Gender and Privacy. 3 hours.
A multidisciplinary examination of U.S. constitutional law and politics in shaping issues of gender, privacy, race, and sexual orientation; including reproduction, labor, sexual harassment, political participation, and women and crime. Course Information: Same as BLST 356, and POLS 356. Prerequisite(s): Grade of C or better in POLS 101 or grade of C or better in POLS 112 or grade of C or better in BLST 100 or grade of C or better in BLST 103 or grade of C or better in GWS 101; or consent of the instructor.

GWS 390. Feminism and Social Change. 3 hours.
An examination of the historical development of feminist models of social change, as well as strategies of contemporary feminist activism. Course Information: Prerequisite(s): GWS 101 and GWS 102 and GWS 292; and junior standing or above.

GWS 394. Intermediate Topics in Gender and Women's Studies. 3 hours.
Study of a problem, topic or issue relevant to the interdisciplinary area of gender and women's studies at the intermediate level. Content varies. Course Information: May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor or one course in gender and women's studies.

GWS 396. Independent Study/Research. 1-3 hours.
Independent study or research in specialized area of women's studies or gender-related scholarship. Extensive reading and individual research projects. Course Information: May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): Junior standing and consent of the instructor. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

GWS 403. Queer Histories. 3 or 4 hours.
Lesbian/gay studies; issues in the history of (homo)sexuality; cultural and historical analysis of same-sexuality in several periods, including our own. Course Information: Same as HIST 403. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or consent of the instructor.

GWS 404. Disability, Sexuality, and Health. 3 or 4 hours.
Explores how political, social, and cultural systems as well as historical contexts shape understandings and experiences of disability, sexuality, and health. Course Information: Same as DHD 404. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above; or consent of the instructor.

GWS 406. Topics in Black Feminist and Queer Studies. 3 or 4 hours.
Advanced study of topics related to theories of race, gender and sexuality with a specific focus on black feminist and queer studies. Topics may vary. Course Information: Same as BLST 406. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and one 100-level course in Black Studies or one 100-level course in Gender and Women’s Studies; or consent of the instructor.

GWS 407. Advanced Seminar in Queer and Trans Studies. 3 or 4 hours.
Advanced interdisciplinary seminar at the nexus of queer and trans studies, with a focus on the intellectual and social struggles for liberation at the intersection of race, sexuality, nation, class, indigeneity, and gender self-determination. Course Information: Extensive computer use required. Prerequisite(s): GWS 101 and GWS 102; or GWS 203; or graduate standing. Recommended background: GWS 403.

GWS 408. Global Black Feminisms. 3 or 4 hours.
Examines transnational, Third Wave and Third World Black feminist approaches to global politics from historical and contemporary perspectives with a particular emphasis on the late 20th century and the beginning of the 21st century. Course Information: Same as BLST 408 and LALS 408. 3 undergraduate hours. 4 graduate hours. Recommended background: Undergraduate students: at least three credit hours in BLST or GWS or LALS.

GWS 409. Women and Gender in the Middle East. 3 or 4 hours.
Advanced interdisciplinary seminar examining issues of women and gender in the Middles East and Muslim societies. Historical and contemporary analyses, case studies with regional and transnational focus. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): GWS 255; or graduate standing; or consent of the instructor.

GWS 410. Race, Gender and Representation: Black Bodies in Media and Mass Culture. 3 or 4 hours.
Examines the ideological, cultural and economic structures that shape the representation of Black subjects in performance, visual arts, and mass media, paying close attention to gender and sexuality. Course Information: 3 undergraduate hours. 4 graduate hours. Same as BLST 410 and COMM 410. Recommended background: Three or more credit hours in Black Studies or consent of the instructor.

GWS 484. Topics in the History of Women. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 484. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history or gender and women's studies or consent of the instructor.

GWS 485. Gender and Politics. 3 or 4 hours.
Impact of gender on basic categories of western political thought. Distinctions between reason and emotion, public and private, among others, examined from feminist perspective. Course Information: Same as POLS 485. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): POLS 190 and one 200-level course in political theory; or consent of the instructor.

GWS 490. Advanced Topics in the Study of Sexuality. 3 or 4 hours.
Special study at an advanced level of a topic concerning sexuality. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of gender and women's studies, or consent of the instructor.

GWS 494. Advanced Topics in Gender and Women's Studies. 3 or 4 hours.
Specialized study of a problem, topic or issue relevant to the interdisciplinary area of gender and women's studies at the advanced level. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): Senior or graduate standing.

GWS 496. Independent Study. 1-3 hours.
Individual advanced reading or research in Gender and Women's Studies, under the supervision of a faculty member. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): GWS 101 and GWS 102; and consent of the instructor. Recommended background: GWS 292 and GWS 390.

Geography (GEOG)

Courses

GEOG 100. Concepts in Geography. 3 hours.
Geographic concepts drawn from the areas of cultural, urban, economic, global, and regional geography. Course Information: Same as US 100. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and World Cultures course*.

GEOG 161. Introduction to Economic Geography. 3 hours.
With a focus on non-Western cultures and economies, this course examines how factors of production, economic activities, and institutions alter local economies, individual and collective livelihoods and cultural practices. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course, and World Cultures course*.

GEOG 203. Human Geography of Latin America including the Caribbean Region. 3 hours.
Culture, settlement, political and economic development problems in Latin America, with special attention to Puerto Rico, the Caribbean Region, and Mexico. Course Information: Same as LALS 217. *Individual and Society course, and World Cultures course*.

GEOG 207. Ancient Civilizations of Mexico and Central America. 3 hours.
Analysis and interpretation of the archaeological evidence on the process of development of native civilization in the Meso-American area from the beginnings of agricultural settlement to the eve of the Spanish conquest. Course Information: Same as ANTH 227, and LALS 258. Prerequisite(s): ANTH 102; or sophomore standing or above; or consent of the instructor.

GEOG 208. Mapping the Urban: Cartography and its Alternatives. 3 hours.
Maps both represent space and influence the spatial imaginary. From traditional cartography to new media, the course will explore the power and possibilities of mapping and counter-mapping as narratives of space, power and social relations. Course Information: Same as US 208. *Individual and Society course*.

GEOG 273. Ethnography of Southeast Asia. 3 hours.
Survey of selected cultures of mainland Southeast Asia, with emphasis on cultural ecology, tribal formation, and nationalism. Course Information: Same as ANTH 273. *Individual and Society course, and World Cultures course*.

GEOG 418. Ethnographic and Qualitative Research Methods. 3 or 4 hours.
Practical introduction to the techniques of social scientists for research in natural social settings: participant observation/non-participant observation, interviewing, use of documentary sources, etc. Course Information: Same as ANTH 418. 3 undegraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above.

GEOG 425. Field Techniques in Archaeology. 4 hours.
Exposure to field methods in archaeology through participation in an actual research project. Students are instructed in field excavation techniques. Usually offered in summer session. Course Information: Same as ANTH 425. May be repeated to a maximum of 8 hours. Prerequisite(s): ANTH 102 or consent of the instructor. Recommended: Concurrent registration in ANTH 426 or GEOG 426. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Practice.

GEOG 426. Laboratory Techniques in Archaeology. 4 hours.
Exposes students to laboratory methods in archaeology through the analysis of excavated materials. Students are instructed in laboratory techniques. Course Information: Same as ANTH 426. May be repeated to a maximum of 8 hours. Prerequisite(s): ANTH 102 or consent of the instructor. Recommended: Concurrent registration in ANTH 425 or GEOG 425. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

GEOG 429. Archaeological Methods. 3 or 4 hours.
This course will familiarize students with various methodologies used by archaeologists and geo-archaeologists. Course will concentrate on a different method each time it is taught. Course Information: Same as ANTH 429. 3 undergraduate hours. 4 graduate hours. May be repeated up to 2 time(s). Students may register for more than one section per term.

GEOG 444. Management of Solid and Hazardous Wastes. 3 hours.
Management of solid and hazardous waste, including radioactive waste: landfills, incineration, recycling, composting, source reduction, groundwater and air pollution impacts, control, regulations, siting, health impacts. Course Information: Same as CME 423, and EOHS 472.

GER 122. Minority Perspectives in the Germanic Context. 3 hours.
Investigation of the challenges and/or opportunities of multicultural societies by examining in a socio-historical context texts created by members of Europe's ethnic, religious, and national minorities. Course Information: Same as JST 122 and RELS 122. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts course, and World Cultures course*.

GER 123. Introduction to Yiddish Culture and Literature. 3 hours.
Yiddish culture in Europe and the U.S. in socio-historical context. Focus on the role of Yiddish in conceptions of secular, cultural, religious, national Jewish identities. Course Information: Same as JST 123 and RELS 123. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts course, and World Cultures course*.

GER 125. Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film. 3 hours.
Literature and films on European Jewish responses to anti-Semitism and persecution in a historical context to reveal the condition of post-Enlightenment German-speaking Jewish and Yiddish-speaking societies. Course Information: Same as JST 125 and RELS 127. No credit toward a major or minor program offered by the Department of Germanic Studies. Taught in English. *Past course, and World Cultures course*.

GER 161. German Language Studies. 3-16 hours.
A four-week summer course taken in a German-speaking country. Course Information: May be repeated to a maximum of 16 hours. Prerequisite(s): Approval of the department.

GER 207. European Cinema. 3 hours.
An overview of the major developments in European cinema from the post-World II period to the present. Course Information: Same as LCSL 207 and SPAN 207. Prerequisite(s): ENGL 160. *Creative Arts course, and World Cultures course*.

GER 211. Exploring German-Speaking Cultures. 3 hours.
Exploration of cultural and political aspects of German-speaking cultures. High-intermediate to advanced language training using authentic written, visual and oral texts. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): GER 104 or the equivalent.

GER 212. Rural, Urban, Global: Germanic Geographies. 3 hours.
Exploration of cities and places within the German-speaking world along with their correlative cultures. High-intermediate to advanced language training using authentic written, visual and oral texts. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): GER 104 or the equivalent.

GER 214. Conversational German through Popular Culture and Media. 3 hours.
Exploration of German popular culture and media using authentic materials. Intermediate to adv training in developing and refining effective communication skills by emphasizing pronunciation, idiomatic expressions, and monitoring grammatical errors. Course Information: May be repeated. Prerequisite(s): Credit or concurrent registration in GER 104 or the equivalent.

GER 215. Business Culture in German-Speaking Countries. 3 hours.
Oral and written communication in professional settings, including business and industry. Course Information: Previously listed as GER 315. Prerequisite(s): Credit or concurrent registration in GER 104; or Credit or concurrent registration in GER 211; or Credit or concurrent registration in GER 214 or the equivalent.

GER 217. Introduction to German Cinema. 4 hours.
German cinema as communication and art; its production, reception and ideological perspectives. Course Information: Taught in English. No knowledge of German required. Area literature/culture. *Creative Arts course, and World Cultures course*.

GER 219. Princesses and Storytellers: Fairy Tales by the Brothers Grimm and Their Cultural Afterlives. 3 hours.
Analyzes the structure, meaning, and function of fairy tales and their continuing impact on literature, film, and contemporary culture since the Brothers Grimm. Course Information: Taught in English. Area literature/culture. No knowledge of German required. *Creative Arts course, and Past course*.

GER 240. Classical German Thought from Kant to Nietzsche. 3 hours.
A survey of classical German thought from Kant through Nietzsche. Course Information: Area: literature/culture. Lectures, discussion, and readings in English. No knowledge of German required. Students who intend to use GER 240 toward an undergraduate major or minor in the Department of Germanic Studies will do assignments in German. *Individual and Society course, and Past course*.

GER 299. Becoming Transcultural: Study Abroad. 0-17 hours.
Provides credit for foreign study in German-speaking countries. Proposal for Study Abroad must have prior approval of Department of Germanic Studies and College of Liberal Arts and Sciences. Final determination of credit made upon completion of work. Course Information: May be repeated. May be repeated for a maximum of 34 hours of credit per academic year. Prerequisite(s): Sophomore standing or above; and approval of the department and approval of the College of Liberal Arts and Sciences. In exceptional cases students may be permitted to take this course after the first freshman semester. Students must be in good academic standing.

GER 300. Writing in the Study of German. 1 hour.
Perfecting skills of written expression in English or German. Course Information: Prerequisite(s): Junior standing or above; or approval of the department. Must be taken concurrently with a course that receives credit toward a major offered by the Department of Germanic Studies, as specified in the Timetable. Restricted to majors and minors in the Department of Germanic Studies.

GER 302. Topics in German Cinema. 3 hours.
In-depth focus on a particular area of German cinema, such as Weimar cinema, Nazi cinema, queer cinema, etc. Topics vary. Course Information: Taught in English. Prerequisite(s): ENGL 102 or MOVI 102; or ENGL 120; or ENGL 121 or MOVI 121; or GER 217; or GER 207 or LCSL 207 or SPAN 207; or ENGL 232 or AH 232 or MOVI 232; or ENGL 233 or AH 233 or MOVI 233.

GER 310. Contemporary German Language, Culture and Society. 3 hours.
Focus on contemporary German culture and society through analysis of visual, written and oral texts. Advanced training in German language skills and in cultural competence. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Credit or concurrent registration in GER 211 or Credit or concurrent registration in GER 212 or Credit or concurrent registration in GER 214 or the equivalent.

GER 487. Computer Assisted Language Learning. 3 or 4 hours.
An introduction to computer assisted language learning (CALL): the use of computer technology in second language reading and research. The effectiveness of CALL technology is assessed based on SLA theory and research studies. Course Information: Same as LING 487 and SPAN 487. 3 undergraduate hours. 4 graduate hours. Taught in English. Extensive computer use required. Prerequisite(s): LING 483 or CIE 483 or GER 448 or FR 448 or SPAN 448 or GER 449 or FR 449 or SPAN 449; or SPAN 502 or FR 502 or the equivalent; and senior standing or above.

GER 492. Internship in International Business. 0-12 hours.
Student placement in an international organization or firm in a German-speaking country or its U.S. subsidiary or division. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the department. Prerequisite(s): GER 211; and consent of the instructor and a GPA of 2.00. Recommended background: Concurrent registration in GER 493 or registration in GER 493 in the semester immediately following.

GER 493. Internship Seminar: Business. 1-4 hours.
Academic component of the internship experience. Studies in the field of the internship and further investigation of related topics. Course Information: May be repeated with approval. Approval to repeat course granted by the department. A maximum of 3 hours of credit may be applied toward an undergraduate degree offered by the Department of Germanic Studies, and a maximum of 4 hours of credit may be applied toward a graduate degree offered by the Department of Germanic Studies. Prerequisite(s): GER 211 and credit or concurrent registration in GER 492 and consent of the instructor and a grade point average of 2.00.

GER 494. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

GER 495. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in GER 494, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

Global Asian Studies (GLAS)

Courses

GLAS 100. Introduction to Global Asian Studies. 3 hours.
Introduction to the study of Asia as well as transoceanic and transnational Asian diasporas, emphasizing the study of Asian histories, languages, cultures, and politics, Asian American histories and cultures. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *World Cultures course*.

GLAS 105. Asian and/or Asian American Studies Seminar. 1 hour.
A seminar on an area of current interest in the field of Asian and/or Asian American studies. Topics may vary. Course Information: May be repeated to a maximum of 3 hours. May be repeated if topics vary. Previously listed as ASAM 105.

GLAS 109. East Asian Civilization: Ancient China. 3 hours.
An introduction to Chinese civilization, including history, philosophy, and religions from earliest times to c. 1500. Course Information: Same as HIST 109. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture-Discussion. *Past course, and World Cultures course*.

GLAS 120. Introduction to Asian American Studies. 3 hours.
Overview of Asian American experiences and perspectives in socio-historical context. Introduction to major concepts, issues, and debates in the field of Asian American Studies. Course Information: Same as SOC 120. Previously listed as ASAM 125. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Individual and Society course, and US Society course*.

GLAS 123. Introduction to Asian American Literature. 3 hours.
Introductory survey of a wide range of Asian American literature in various socio-historical contexts. Course Information: Same as ENGL 123. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Creative Arts course, and US Society course*.

GLAS 125. Introduction to the Art and Architecture of Asia. 3 hours.
Using cross-cultural case studies, this course introduces students to some of the major artistic methods, monuments, and themes associated with Asian art and architecture. Course Information: Same as AH 125. Field trip required at a nominal fee. *Creative Arts course, and World Cultures course*.

GLAS 200. Gandhi: The History and Practice of Nonviolence. 3 hours.
The history of Gandhian practice of nonviolent resistance through a variety of thinkers and movements.Course Information: Same as HIST 200. Recommended Background: ENGL 160 or completion of any 100-level history course. *Past course*.

GLAS 201. Asian Markets, Corporations, and Social Justice. 3 hours.
A critical analysis of multinational corporations as social institutions and their commodification and representation of Asian and Asian American cultures and economies. Includes topics like KPop, fair trade, sweatshops, and the beauty industry. Course Information: Same as ANTH 201. Prerequisite(s): GLAS 100; or consent of the instructor. *World Cultures course*.

GLAS 207. Asian Cities: Urban Cultures of the Global South. 3 hours.
The dynamics of urbanization in a number of Asian cities, including Mumbai, Shanghai, Singapore and Dubai, that have emerged as important nodes in the global economy, and that exemplify contemporary urban culture as it manifests cross-culturally. Course Information: Same as ANTH 207. Prerequisite(s): ANTH 101; or consent of the instructor. *World Cultures course*.

GLAS 263. Asian American Gender and Sexual Diversity. 3 hours.
Introductory, cross-disciplinary examination of issues related to gender and sexuality among Asian Americans, with critical attention paid to diverse experiences across various social and political contexts. Course Information: Same as GWS 263. Previously listed as ASAM 263. Prerequisite(s): GLAS 120 or GLAS 123 or GWS 101 or GWS 102. *Individual and Society course, and US Society course*.

GLAS 264. The Pacific Rim in Modern History. 3 hours.
Critical examination of the connected histories of various societies in the modern Pacific Rim world, including the American West, Asia, and Latin America, since the nineteenth century. Course Information: Same as HIST 264. Prerequisite(s): ENGL 161. *Past course, and World Cultures course*.

GLAS 270. Topics in Asian Cultures and Societies. 3 hours.
An exploration of a specific theme that will introduce in comparative context the major countries in Asia. Course Information: May be repeated to a maximum of 6 hours if topics vary. Previously ASST 270. Prerequisite(s):Sophomore standing or above; or consent of the instructor. *World Cultures course*.

GLAS 271. Late Imperial China. 3 hours.
A detailed survey of China's late imperial period, covering a broad range of issues from state institutions and elite power, to popular culture and peasant revolt. Course Information: Same as HIST 271. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and World Cultures course*.

GLAS 272. China Since 1911. 3 hours.
Twentieth-century China from 1911 to the present, including warfare; areas of intellectual inquiry; changes in government, family, and the role of women. Course Information: Same as HIST 272. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion.

GLAS 275. History of South Asia to 1857. 3 hours.
South Asian history from the earliest times to 1857, in regional and global contexts. Course Information: Same as HIST 275. Course is offered in both face-to-face and hybrid/online formats. Check the class schedule for details. When taught online or hybrid, students will be required to have reliable internet access and a means for accessing it (computer preferable). Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Past course, and World Cultures course*.

GLAS 276. Modern South Asia. 3 hours.
Examines anti-colonial resistance to British rule starting with the 1857 Revolt, Indian nationalism, and the formation of independent nation-states in South Asia. Course Information: Same as HIST 276. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Past course, and World Cultures course*.

GLAS 278. Topics in the Art, Architecture and Visual Culture of Asia. 3 hours.
Selected topics in the art, architecture, and visual cultures of Asia and Asian diasporas. Course Information: Same as AH 278. May be repeated if topics vary. Students may register in more than one section per term.

GLAS 279. South Asian Cultures and Societies. 3 hours.
Survey of the people and cultures of South Asian Cultures; emphasis on social structure, religion, and recent cultural changes. Course Information: Same as ANTH 279. *Individual and Society course, and World Cultures course*.

GLAS 290. Special Topics in Asian American Studies. 1-3 hours.
Study of a specific intermediate topic in Asian American studies. May be repeated if content does not duplicate previous coursework. Course Information: May be repeated if topics vary. Previously listed as ASAM 290.

GLAS 300. Global Asia in Chicago. 3 hours.
Interdisciplinary exploration of Asian diasporic histories and community formations in Chicago through academic coursework that examines dynamics of globalization in the local context. Course Information: Prerequisite(s): GLAS 100.

GLAS 328. Asian American Literature. 3 hours.
Historical development of Asian American literature. It will identify specific cultural and political issues that have shaped the broad range and diverse ethnic interests of that writing. Course Information: Same as ENGL 328. Recommended background: ENGL 123, ENGL 240, or ENGL 243.

GLAS 340. Immigration, Law, and Rights. 3 hours.
Explores the histories, cultures, and experiences of immigration to the United States by examining legal discourses and historical analyses alongside cultural productions such as literary and visual narratives. Course Information: Same as CLJ 340. Prerequisite(s): Grade of C or better in GLAS 100.

GLAS 390. Special Topics in Asian American Studies. 3 hours.
Reading, study, and discussion of selected topics in Asian American Studies. Course Information: May be repeated if topics vary. Previously listed as ASAM 390. Prerequisite(s): GLAS 120.

GLAS 394. Special Topics in Asian Studies. 3 hours.
Special topics of study in Asian history and culture. Course Information: May be repeated if topics vary.Students may register for more than one section per term. Previously listed as ASST 394. Prerequisite(s): At least one Global Asian Studies course at the 100 or 200 level; or consent of the instructor.

GLAS 400. Blacks and South Asians in London. 6 hours.
A survey of the separate and overlapping politics, cultures, and histories of London's Black and South Asian communities since World War II. Course Information: Same as AAST 400. Prerequisite(s): Consent of the instructor.

GLAS 428. Asian/Asian American Women in the Global Economy. 3 or 4 hours.
Examines the racialization and feminization of a global division of labor and focuses primarily on Asian and Asian American women's participation and incorporation as workers and key actors in the development of the global economy. Course Information: Same as GWS 428 and SOC 428. 3 undergraduate hours; 4 graduate hours. Previously listed as ASAM 428. Prerequisite(s): At least one GLAS or GWS or SOC course; or consent of the instructor.

GLAS 437. The Indian Ocean World: Contact, Commerce, Culture. 3 or 4 hours.
The movement of people, goods, religious movements and ideas, throughout the Indian Ocean region from earliest times to the colonial era. Course Information: Same as ANTH 436 and HIST 437. 3 undergraduate hours. 4 graduate hours.

GKM 102. Elementary Modern Greek II. 4 hours.
Continues study of standard modern Greek grammar, reading, conversation, and composition. Course Information: Prerequisite(s): GKM 101.

GKM 103. Intermediate Modern Greek I. 4 hours.
Introduces complex grammatical constructions. Improves speaking and writing ability. Develops oral composition of standard modern Greek. Greek used for conversation, English for explanation. Course Information: Prerequisite(s): GKM 102 or the equivalent.

GKM 104. Intermediate Modern Greek II. 4 hours.
Further develops writing, speaking, and comprehension. Focuses on idiomatic expressions. Lectures often conducted in Modern Greek. Course Information: Prerequisite(s): GKM 103 or the equivalent.

GKM 105. Modern Greek Culture. 3 hours.
Introduction to a variety of aspects of modern Greek culture, including basic information about the country. Readings consist partly of secondary literature (i.e., non-literary texts) and partly of relevant examples of Modern Greek literature. Course Information: Taught in English. *World Cultures course*.

GKM 203. Modern Greek Authors in Translation. 3 hours.
Basic introduction to the literary output of Modern Greece, looking at its historical and literary background, sampling some of the main poets and novelists (particularly of the 19th and 20th centuries), also with a look at Greek-American writing. Course Information: Taught in English. Prerequisite(s): Sophomore standing or above. *World Cultures course*.

GKM 209. The Byzantine Empire. 3 hours.
The East Roman Empire from its creation by Diocletian and Constantine to its conquest by the Ottoman Turks. Course Information: Same as HIST 209.

GKM 285. Cultural History of Modern Greece: 1453 to the Present. 3 hours.
Survey of the cultural history of modern Greece, from the end of the Byzantine Empire in 1453 to the end of the present. Course Information: Taught in English. Same as HIST 285. *Past course*.

GKM 286. Modern Greek Cities: Historical-Ethnographic Survey. 3 hours.
This course is designed as an historical and ethnographic survey of the communities and culture of Modern Greek urban centers, from the early modern period to the present. Course Information: Taught in English. Same as HIST 286. *Past course*.

GKM 296. Fascism and Dictatorship in Southern Europe and the Mediterranean. 3 hours.
Establishment of fascist and authoritarian regimes in 20th-century Spain, Italy and Greece. Fascist ideology, leadership cult, mass politics, violence and propaganda, uses of antiquity, resistance and consent, legacy and memory of fascism. Course Information: Same as HIST 296 and POLS 296. Taught in English. Prerequisite(s): ENGL 161. *Past course*.

GKM 298. Topics in Modern Greek Studies. 3 hours.
Selected topics at an intermediate level in Modern Greek Studies. Course Information: May be repeated. Students may register for more than one section per term. Taught in English. Prerequisite(s): Consent of the instructor. Recommended background: GKM 105.

GKM 299. Independent Study. 1-4 hours.
An individual study under faculty direction in which a student can examine various apects of Modern Greek culture & languge through readings and papers. Course Information: May be repeated. Students may register for more than one section per term. Prerequisite(s): Consent of the instructor. Recommended background: GKM 105.

Guaranteed Admissions Medicine (GAMD)

Courses

GAMD 200. GPPA Special Topics in Medicine. 1 hour.
Exploration of the interplay of scientific foundations of medicine, the skills of the physician-patient interaction, and the necessary use of emerging medical technologies. Course Information: May be repeated for credit. Students may register for more than one section per term with the approval of the College of Medicine.

Health Information Management (HIM)

Courses

HIM 101. Health Information Management First Year Seminar. 1 hour.
Overview of health information management emphasizing the key concepts of the diverse range of careers in the field. Focuses on academic and professional preparation given the integrative nature of the discipline and current trends. Course Information: Satisfactory/Unsatisfactory grading only. Credit is not given for HIM 101 if the student has credit in HIM 410 or HIM 317 or HIM 319. Meets eight weeks of the semester. Taught online. Students must have an active UIC Net ID with valid password and access to a computer and the internet.

HIM 317. Principles of Health Information Management. 4 hours.
Uses, format and content of inpatient health records; accreditation and documentation guidelines; indexes/registries, record processing and management. Virtual lab/professional site visit required. Course Information: Extensive computer use required. Field work required. Meets eight weeks of the semester. Prerequisite(s): Credit or concurrent registration in HIM 410. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

HIM 319. Alternative Health Records. 4 hours.
Health information systems in non-hospital care settings in the US, including organization and management, resources development, economic support and reimbursement, registries, and delivery of services. Course Information: Meets eight weeks of the semester. Prerequisite(s): HIM 317 and HIM 410; or consent of the instructor.

HIM 320. Technical Affiliation. 2 hours.
Provides an orientation to health information management practice via assignments and field work in affiliated institution's health information management departments. Course Information: Extensive computer use required. Field work required. Extensive computer use required. Meets eight weeks of the semester. Students must have an active UIC Net ID with valid password and access to a computer and the internet. Prerequisite(s): Completion of 32 credit hours of HIM course work or approval of the BSHIM Program Director.

HIM 451. Health Information Management Theory and Practice. 4 hours.
An introduction to the data elements and health information systems that comprise the patient's health record in acute and alternative settings, including records management and registries. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC Net ID with valid password and access to a computer and the internet. Prerequisite(s): Acceptance to the Mater of Science in Health Information Management program. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Clinical Practice.

HIM 452. Quality Management and Data Analysis. 4 hours.
Examination of processes used to measure and improve the quality and effectiveness of health care, including health care research statistics and data display. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): HIM 534 and HIM 557. Class Schedule Information: To be properly registered, student must enroll in one Lecture-Discussion and one Laboratory.

HIM 453. Principles of Management and Human Resources. 4 hours.
Principles of management with emphasis on business functions, procedures, personnel management, workforce development and productivity measurements as applied to health care settings. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): HIM 450 and HIM 451.

HIM 454. Legal Aspects, Risk Management, and Security of Health Information. 3 hours.
Principles of law, confidentiality, and ethics, and their application to health records, including risk management and security in clinical information systems. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): HIM 450 and HIM 451.

HIM 455. Health Information Systems Analysis and Design. 4 hours.
Advanced topics in information technology and systems in healthcare. Fundamentals and tools of systems analysis and design. Use of data structures in clinical information systems including data design and management. Course Information: Extensive computer use required. Meets eight weeks of the semester. Taught online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): HIM 534 and HIM 557.

HIM 481. Healthcare Financial Management. 2 hours.
An introduction to the principles of healthcare finance. Sources of revenue and expenses, financial statement analysis, budget, and tools to analyze financial performance will be covered. Course Information: Previously listed as HIM 381. Extensive computer use required. Meets eight weeks of the semester. Taught partially or fully online. Students must have an active UIC NetID with valid password and access to a computer and the Internet. Prerequisite(s): BHIS 480 or equivalent experience.

HIM 486. Foundations of Health Information Management. 2 hours.
Provides students new to the health informatics field with knowledge of the U.S. healthcare system and health record content and practice. Course Information: Extensive computer use required. Field work required. Meets eight weeks of the semester. Taught on-line, students must have an active UIC netID with valid password and access to a computer and the Internet. Prerequisite(s): Consent of the instructor and enrollment in the MS in Health Informatics program or Post Master's Certificate in Health Informatics.

Hebrew (HEB)

Courses

HEB 101. Elementary Hebrew I. 4 hours.
Introduction to the vocalization, basic vocabulary, and grammatical structure of the Hebrew language. Spoken and written Hebrew are both stressed. Course Information: Prerequisite(s): For students who have not studied Hebrew or placement as determined by test score or consent of instructor.

HEB 102. Elementary Hebrew II. 4 hours.
The second part of an introduction to the study of the basic vocabulary and grammatical structure of the Hebrew language. Spoken Hebrew is also stressed. Course Information: Prerequisite(s): HEB 101 or adequate performance on the placement test or consent of the instructor.

HEB 103. Intermediate Hebrew I. 4 hours.
The second year of Hebrew language study. Study of Hebrew grammar with emphasis on sentence structure for speaking and writing Hebrew. Course Information: Prerequisite(s): HEB 102 or adequate performance on the placement test or consent of instructor.

HEB 104. Intermediate Hebrew II. 4 hours.
Focused study of Hebrew grammar and reading comprehension. Emphasis on writing and speaking Hebrew with fluency. Course Information: Prerequisite(s): HEB 103 or adequate performance on the placement test or consent of the instructor.

Hindi-Urdu (HNUR)

Courses

HNUR 101. Elementary Hindi-Urdu I. 4 hours.
Introduction to and practice in speaking and comprehending spoken Hindi-Urdu and in reading and writing Hindi-Urdu in Devanagari script. Course Information: Four additional half hours each week in the language laboratory. Prerequisite(s): For students who have not studied Hindi-Urdu, or placement as determined by test score, or consent of the instructor.

HNUR 102. Elementary Hindi-Urdu II. 4 hours.
Continues HNUR 101. Speaking and comprehending Hindi-Urdu. Reading and writing in both Devanagari script and Urdu script. Course Information: Four additional half hours each week in the language laboratory. Prerequisite(s): HNUR 101; or appropriate score on the department placement test; or consent of the instructor.

HNUR 103. Intermediate Hindi-Urdu I. 4 hours.
This course builds on the foundation of HNUR 101 and HNUR 102. Emphasis will be placed on advanced structures, reading unedited texts in both devanagari (Hindi) and nastaliq (Urdu) and the development of oral and aural competency. Course Information: Two additional hours each week in the language laboratory. Prerequisite(s): HNUR 102 or the equivalent, or consent of the instructor.

HIST 177. Middle Eastern Civilization. 3 hours.
Introduction to the culture and society of the Middle East, with special attention to the development of Islam and the consequences of westernization. Course Information: Same as RELS 177. Course is offered in both face-to-face and hybrid/ online formats. Check the class schedule for details. When taught online or hybrid, students will be required to have reliable internet access and a means for accessing it (computer preferable). Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and World Cultures course*.

HIST 199. Chicago and the World. 3 hours.
Introduction to American history, key institutions, culture, and society through the lens of Chicago as a global city. Introduction to the college experience and development of key academic skills. Course Information: Field trips required at a nominal fee.

HIST 200. Gandhi: The History and Practice of Nonviolence. 3 hours.
The history of Gandhian practice of nonviolent resistance through a variety of thinkers and movements.Course Information: Same as GLAS 200. Recommended Background: ENGL 160 or completion of any 100-level history course. *Past course*.

HIST 202. Ancient Greece. 3 hours.
Greece from the Mycenaean through the Hellenistic periods; political, social, economic, and religious life of the Greek city-state and the Hellenistic kingdoms. Course Information: Same as CL 202. *Past course, and World Cultures course*.

HIST 203. Ancient Rome. 3 hours.
History of Rome from its origins to the end of the Roman Empire; emphasis on transformation of Rome from city-state to world empire, with attention to social, cultural, and economic background. Course Information: Same as CL 203. *Past course, and World Cultures course*.

HIST 204. Greek Art and Archaeology. 3 hours.
Contributions of archaeological excavations to the study of ancient Greece, 600 BC to 31 BC. Architecture, sculpture and painting in their social and historical contexts. Course Information: Same as AH 204, and CL 204. Credit is not given for HIST 204 if the student has credit in CL 215. Taught in English. *Creative Arts course, and Past course*.

HIST 205. Roman Art and Archaeology. 3 hours.
Contributions of archaeological excavations to the study of ancient Rome and her empire 1000 BC-400 AD. Architecture, sculpture and painting in their social and historical contexts. Course Information: Same as AH 205, and CL 205. *Creative Arts course, and Past course*.

HIST 208. History of Science in a Global Context. 3 hours.
A survey of the history of science from the 16th century to the present. From colonial science to atomic diplomacy and entrepreneurial science, this course explores how certain spaces, practices, and people—but not others—came to be called scientific. Course Information: Recommended background: Completion of any 100-level history course. *Past course*.

HIST 209. The Byzantine Empire. 3 hours.
The East Roman Empire from its creation by Diocletian and Constantine to its conquest by the Ottoman Turks. Course Information: Same as GKM 209.

HIST 210. Asian American Histories. 3 hours.
Introduction to the main historical events that define the Asian experience in the United States, from the mid-nineteenth century to the present. Course Information: Same as GLAS 210. *Individual and Society course, and US Society course*.

HIST 211. The Dawn of European Modernity, 1500-1715. 3 hours.
Social, economic, political, and cultural analysis of western Europe in the sixteenth and seventeenth centuries, from the Renaissance to the Enlightenment. Course Information: 3 hours.Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discusion and one Discussion. *Individual and Society course, and Past course*.

HIST 212. Europe: 1715 to 1815. 3 hours.
Europe from the death of Louis XIV to Napoleon's fall, with special emphasis on building of states, urban development, and political change.

HIST 213. Europe in the Age of Capitalism and Imperialism, 1815 - 1914. 3 hours.
Introduction to the history of Europe from the Congress of Vienna to World War I. Course Information: Prerequisite(s): ENGL 161; or consent of the instructor. *Individual and Society course, and Past course*.

HIST 214. Twentieth-Century Europe. 3 hours.
Social, political, cultural, and economic changes in Europe including: WWI, Great Depression, rise of totalitarian states, WWII, the Cold War, rise and fall of communist states, and the European Union. Course Information: Prerequisite(s): ENGL 161. *Individual and Society course, and Past course*.

HIST 215. Techno-Orientalism: Race, Media and Society. 3 hours.
An investigation of the historical entanglements of race, politics, and technoscience in the Pacific world from the 19th century to the present. Throughout, we examine representations of Asian and Asian American cultures of science and technology. Course Information: Same as GLAS 215. Prerequisite(s): Grade of C or better in GLAS 100; or consent of the instructor. *Past course*.

HIST 217. Introduction to United States Military History. 3 hours.
Analytical study of American military history, doctrine, strategy, and tactics from their origin through the present. Emphasis on leadership, strategy, the principles of war, and growth of the military in the US. Course Information: Same as MILS 217. Prerequisite(s): Grade of C or better in ENGL 161. *Past course*.

HIST 218. Pompeii: Everyday Life in a Roman Town. 3 hours.
Examination of the Roman town of Pompeii, including its history, society, politics, economy, religion, art, architecture, and entertainments. Course Information: Same as AH 218 and CL 218. *Past course*.

HIST 219. Sport in the Ancient World. 3 hours.
Survey of Greek and Roman sport from the Bronze Age to the demise of pagan athletic festivals in late antiquity (c. fifth century CE). Course Information: Same as CL 219.

HIST 220. Modern Germany, 1848 to the Present. 3 hours.
Unification and industrialization in the nineteenth century; world wars and the development of the two Germanies in the twentieth century. Course Information: Prerequisite(s): ENGL 161; or consent of the instructor. *Individual and Society course, and Past course.*

HIST 221. The Atlantic Slave Trade. 3 hours.
Thematic social, cultural and economic history tracing rise and fall of Atlantic slave trade from African supply systems to New world consumption 1550-1880 with focus on slave experiences. Course Information: Same as BLST 221. Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Past course, and World Cultures course*.

HIST 244. Native American History. 3 hours.
Survey of the history of Native North Americans from ancient to recent times, emphasizing peoples and events in what became the United States. Topics include politics, economics, diplomacy, religion, gender, race, and agency. Course Information: Same as NAST 244. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Past course*.

HIST 245. Imagining the American West. 3 hours.
Survey of the political, economic, and social history of US western societies, beginning with colonization and ending with the present with special attention to persistent myths about the region. Course Information: Prerequisite(s): ENGL 161. *Past course, and US Society course*.

HIST 246. History of American Capitalism. 3 hours.
Survey of the political, economic, cultural, and social history of capitalism in colonial British America and the United States, with special attention to property, labor, finance, public policy, ideology, and class relations. Course Information: Same as POLS 246. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Past course, and US Society course*.

HIST 247. African American History to 1877. 3 hours.
Survey of major social, economic, political, and cultural developments in African American history from the rise of the Atlantic Slave Trade to Reconstruction. Course Information: Same as BLST 247. Prerequisite(s): One course in Black Studies or History; or consent of the instructor. *Past course, and US Society course*.

HIST 248. African American History since 1877. 3 hours.
Survey of major social, economic, and political developments in African American history since Reconstruction. Topics include Jim Crow, black leadership, migration, civil rights and nationalism. Course Information: Same as BLST 248. Prerequisite(s): One course in Black Studies or History, or consent of the instructor. *Past course, and US Society course*.

HIST 249. The American Civil War. 3 hours.
The social, economic, and military events leading up to, during, and after the American Civil War. Course Information: Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Past course, and US Society course*.

HIST 252. Sexuality in America: Historical Perspectives. 3 hours.
Sexuality as a force in U.S. history. Topics include Victorianism, marriage and courtship, sexual subcultures, censorship and purity crusades, popular culture, and various "sexual revolutions." Course Information: Same as GWS 252. *Past course, and US Society course*.

HIST 253. The Worker in American Life. 3 hours.
Introduction to the major historical transformations in the lives of American working people and the ideas, movements and organization through which they have defined a collective response to changing conditions. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and US Society course*.

HIST 255. History of Chicago. 3 hours.
The development of Chicago from frontier outpost to post-industrial metropolis; economic, social, political, and cultural changes and institutions; suburbanization and deindustrialization. Course Information: Course is offered in both face-to-face and hybrid/ online formats. Check the class schedule for details. When taught online or hybrid, students will be required to have reliable internet access and a means for accessing it (computer preferable). Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Past course, and US Society course*.

HIST 256. Religion in American History. 3 hours.
A survey of the varieties of religious experience in American history from the sixteenth to the twentieth-first centuries, with emphasis on group formation and the social and cultural consequences of American religious diversity. Course Information: Same as RELS 256. Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *Past course, and US Society course*.

HIST 257. U.S. Immigration History. 3 hours.
History of European, African, Asian and Latin American immigration to the U.S. from the colonial era to the present. Examines how ethnicity, race, gender, and age shaped immigrants' experiences and U.S. immigration law and policy. *Past course*.

HIST 258. Topics in Intellectual History. 3 hours.
Intellectual history, focusing on the development of ideas in their political, social and cultural contexts or the relationship between diverse fields, such as science, philosophy and religion. Course Information: May be repeated if topics vary. Consent of the instructor required to repeat course.

HIST 259. Women and Gender in American History. 3 hours.
Cultural, social, economic developments of gender relationships and women's lives from the seventeenth century to the present; political and ideological responses; feminism. Course Information: Same as GWS 259. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *Past course, and US Society course*.

HIST 261. Latin America to 1850. 3 hours.
Provides a survey of the pre-Columbian and early national periods in Latin America. Course Information: Same as LALS 261. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Past course, and World Cultures course*.

HIST 262. Latin America Since 1850. 3 hours.
Provides an introduction to Latin American socioeconomic, political, and cultural development since 1850 with emphasis on major countries and regions. Course Information: Same as LALS 262. Course is offered in both face-to-face and online formats. Check the class schedule for details on specific sections. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Past course, and World Cultures course*.

HIST 263. Black Intellectual History. 3 hours.
Key debates and contributions of black thought to national and global politics and culture since the 19th century. Course Information: Same as BLST 263. Prerequisite(s): BLST 100. *Individual and Society course, and Past course*.

HIST 290. Mexican-American History. 3 hours.
The political, social, economic, and cultural development of the Mexican people in the U.S. from colonial times until the present. Course Information: Same as LALS 290. *Past course, and US Society course*.

HIST 292. History and Theories of Feminism. 3 hours.
An introduction to feminist theory and practice throughout the world from the 19th century to the present. Course Information: Same as GWS 292. Recommended background: GWS 101 or GWS 102.

HIST 293. The Gilded and the Gritty: Power, Culture, and the Making of 20th-century America. 3 hours.
The making of modern America in relation to the larger world and engagement with the larger world. Issues of race, class, gender, immigration, and economic development. Course Information: Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Past course, and US Society course*.

HIST 294. Topics in Catholic History. 3 hours.
An investigation of the impact of human migration and cultural pluralism on Catholicism and an analysis of the role of the Catholic Church in group relations. Topics will vary. Course Information: Same as CST 294 and RELS 294. May be repeated if topics vary.

HIST 296. Fascism and Dictatorship in Southern Europe and the Mediterranean. 3 hours.
Establishment of fascist and authoritarian regimes in 20th-century Spain, Italy and Greece. Fascist ideology, leadership cult, mass politics, violence and propaganda, uses of antiquity, resistance and consent, legacy and memory of fascism. Course Information: Same as GKM 296 and POLS 296. Taught in English. Prerequisite(s): ENGL 161. *Past course*.

HIST 300. History Methods Colloquium. 3 hours.
Research methodology and analytical writing in the field of history. Students will write and revise at least 3 papers over the course of the semester. Required of all history majors. Course Information: May not be repeated for credit. Prerequisite(s): History major with 9 hours of history credit. Majors are encouraged to take this course as soon as they become eligible.

HIST 320. Teaching History and the Related Disciplines. 3 hours.
Methods and materials for teaching history and the related disciplines in the secondary schools. Includes field experiences in the learning and teaching of history. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Practice.

HIST 394. Topics in Catholic History and Culture. 3 hours.
Exploration of various topics in Catholic history and culture. Course Information: Same as CST 394 and RELS 394. Prerequisite(s): One course in history or Catholic studies; or consent of the instructor.

HIST 398. Honors Project. 3 hours.
Student will complete an independent honors thesis project under the supervision of a faculty sponsor. Course Information: No more than 6 hours of credit allowed in combination of HIST 398 and 399. Prerequisite(s): History major with junior or senior standing; cumulative GPA of 3.00; major GPA of 3.75; and departmental approval. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

HIST 399. Independent Study: Special Topics. 3 hours.
Selected topics for individual study. Course Information: May be repeated to a maximum of 9 hours. Students may register in more than one section per term. If taken in conjunction with HIST 398, the maximum allowed is 6 hours of credit. Prerequisite(s): Consent of the instructor prior to registration. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

HIST 400. Topics in Ancient History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 401. Topics in Greek History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as CL 401. 3 undergraduate hours. 4 graduate hours. May be repeated. Prerequisite(s): 3 hours of history or classics.

HIST 403. Queer Histories. 3 or 4 hours.
Lesbian/gay studies; issues in the history of (homo)sexuality; cultural and historical analysis of same-sexuality in several periods, including our own. Course Information: Same as GWS 403. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or consent of the instructor.

HIST 405. Herodotus and His World. 3 or 4 hours.
Examines the Histories of Herodotus - both the text and the culture of Classical Greece compared to the Near East and Egypt. Course Information: Same as CL 405. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Sophomore standing or above.

HIST 406. Topics in Medieval History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history, or junior standing or above, or consent of the instructor.

HIST 407. The Power of the Image: Roman Sculpture as Propaganda. 3 or 4 hours.
Historical and thematic examination of the use of Roman sculpture, by emperors and private individuals of all social classes, as an instrument of personal and political propaganda. Course Information: Same as AH 407 and CL 407. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): one of the following courses: AH 204, AH 205, AH 110, CL 101, CL 103, CL 203, CL 204, CL 205, HIST 203, HIST 205; or consent of the instructor.

HIST 408. Athenian Democracy and Society in the Age of Aristophanes. 3 or 4 hours.
A careful examination of the comedies of Aristophanes, his acute criticism of Athenian politics, and his account of the war between Athens and Sparta. Course Information: Same as CL 408. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CL 202. Recommended background: one of the following courses: CL 251, CL 252, CL 405 or HIST 405.

HIST 409. Topics in Early Modern European History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 461. Topics in Latin American History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as LALS 461. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history, Latin American and Latino studies, or consent of the instructor.

HIST 462. AIDS, Politics and Culture. 3 or 4 hours.
Introduction to the study of AIDS as a medical, social, political and cultural construction. Explores the epidemiology of AIDS, the politics of the state¿s response, how activists have addressed AIDS, and media representations of AIDS. Course Information: Same as GWS 462. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): GWS 101 or GWS 102 or GWS 203 or GWS 214 and junior standing or above; or consent of the instructor.

HIST 465. Asian Diasporas in Latin America. 3 or 4 hours.
Examines Asian migration to Latin America, covering topics such as labor and economic systems, transnational networks, community building, racism, identity, and serial migration. Course Information: Same as GLAS 465 and LALS 465. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in GLAS 100 or Grade of C or better in HIST 161. Recommended background: HIST 264.

HIST 472. Issues and Events in Twentieth-Century China. 3 or 4 hours.
Covers the events, places, people, political movements, ideologies, and issues that shaped twentieth-century China, and considers different approaches to the writing of that history. Course Information: Same as ASST 472. 3 undergraduate hours. 4 graduate hours. Recommended background: Previous course work in Chinese history at the 100 or 200 level.

HIST 473. Topics in East Asian History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as GLAS 473. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of East Asian history or consent of the instructor.

HIST 475. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

HIST 476. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in HIST 475, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

HIST 477. Topics in Middle Eastern History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 478. Women in Chinese History. 3 or 4 hours.
Focuses on scholarship on women in Chinese society throughout history, dealing with topics such as marriage and family, literacy, career options, women in revolution and the historiography of the field. Course Information: Same as ASST 478, and GWS 478. 3 undergraduate hours. 4 graduate hours. Recommended background: Previous course work in Chinese history or women's studies.

HIST 479. Culture and Colonialism in South Asia. 3 or 4 hours.
Examines the emergence of colonial cultures of domination and resistance on the Indian subcontinent from the 18th century to 1947. Course Information: Same as ANTH 479 and GLAS 479. 3 undergraduate hours. 4 graduate hours.

HIST 481. Topics in Social History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 482. Topics in Migration History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 484. Topics in the History of Women. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as GWS 484. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history or gender and women's studies or consent of the instructor.

HIST 485. Topics in African American and Diaspora History. 3 or 4 hours.
African American history and/or history of the diaspora for students with significant background in the field. Topics vary. Course Information: Same as BLST 481. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Students may register in more than one section per term. Prerequisite(s): 3 hours of BLST history course or consent of the instructor.

HIST 487. Topics in the History of Sexuality. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours in history or consent of the instructor.

HIST 489. Topics in Military History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 490. Topics in Diplomatic History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history.

HIST 492. Topics in Intellectual History. 3 or 4 hours.
Specific topics are announced each term. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 Hours of history.

HON 129. Honors Core in Exploring World Cultures and Understanding U.S. Society. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to exploring world cultures and understanding U.S. society. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Honors College Reg 1 course, and US Society course, and World Cultures course*.

HON 130. Honors Core in Analyzing the Natural World and Understanding the Individual and Society. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the individual and society. Course Information: May be repeated up to 1 time(s). *Honors course, and Honors College Reg 1 course, and Individual and Society course, and Natural World - No Lab course*.

HON 131. Honors Core in Analyzing the Natural World and Understanding the Past. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the past. Course Information: May be repeated up to 1 time(s). *Honors course, and Honors College Reg 1 course, and Natural World - No Lab course, and Past course*.

HON 132. Honors Core in Analyzing the Natural World and Understanding the Creative Arts. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding the creative arts. Course Information: May be repeated up to 1 time(s). *Honors course, and Creative Arts course, and Honors College Reg 1 course, and Natural World - No Lab course*.

HON 133. Honors Core in Analyzing the Natural World and Exploring World Cultures. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and exploring world cultures. Course Information: May be repeated up to 1 time(s). *Honors course, and Honors College Reg 1 course, and Natural World - No Lab course, and World Cultures course*.

HON 134. Honors Core in Analyzing the Natural World and Understanding U.S. Society. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world and understanding U.S. Society. Course Information: May be repeated up to 1 time(s). *Honors course, and Honors College Reg 1 course, and Natural World - No Lab course, and US Society course*.

HON 140. Honors Core in Understanding the Individual and Society. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the individual and society. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Honors College Reg 1 course, and Individual and Society course*.

HON 141. Honors Core in Understanding the Past. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the past. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Honors College Reg 1 course, and Past course*.

HON 142. Honors Core in Understanding the Creative Arts. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding the creative arts. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Creative Arts course, and Honors College Reg 1 course*.

HON 143. Honors Core in Exploring World Cultures. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to exploring world cultures. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Honors College Reg 1 course, and World Cultures course*.

HON 144. Honors Core in Understanding U.S. Society. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to understanding U.S. society. Course Information: May be repeated to a maximum of 6 hours. *Honors course, and Honors College Reg 1 course, and US Society course*.

HON 145. Honors Core in Analyzing the Natural World. 3 hours.
An interdisciplinary general education course designed around a central theme. Themes address topics related to analyzing the natural world. Course Information: May be repeated up to 1 time(s). *Honors course, and Honors College Reg 1 course, and Natural World - No Lab course*.

HON 200. Honors Lectures. 0 hours.
A series of special non-credit lectures arranged for honors students. Course Information: Satisfactory/Unsatisfactory grading only. *Honors course*.

HON 201. Honors Seminar. 1 hour.
A series of specially arranged seminars in different areas of interest. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 4 hours with approval. Approval to repeat course granted by the Honors College. Prerequisite(s): Enrollment eligibility may vary from section to section, depending upon topic. *Honors course*.

HON 202. Honors Tutoring. 0 hours.
Provides students with the opportunity to tutor students in approved subjects. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the Honors College. Prerequisite(s): Approval of the Honors College. *Honors course*.

HON 222. Honors Activity. 0 hours.
Honors work in an approved course or individual project. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Required each fall and spring term for all Honors College students; optional for Honors College students who complete an Honors activity during the summer session. *Honors course*.

HON 225. Honors Research. 0 hours.
Individual research not covered by standard courses under close supervision of a faculty member. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated with approval. Approval to repeat course granted by the Honors College. Prerequisite(s): Approval of the Honors College. *Honors course*.

HON 294. Honors Inquiries. 3 hours.
An in-depth exploration of issues confronting a topic of significance. Through reading and engaged discussion, students will learn substantive material as well as critical thinking skills. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): Sophomore standing or above; or consent of the instructor. *Honors course*.

HN 330. Quantity Food Production. 3 hours.
Lecture/discussion on kitchen layout and design, menu planning, food procurement, storage, production and service. Course Information: Field trips required at a nominal fee. Prerequisite(s): HN 110; or approval of the department.

HN 332. Food Service Management. 2 hours.
Application of management principles to food service system functions. Course Information: Prerequisite(s): HN 110.

HN 355. Supervised Practice I. 1-4 hours.
A supervised practicum in a professional setting to prepare for entry-level dietetics practice. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 8 hours. Prerequisite(s): Grade of C or better in HN 320 and senior standing; and approval of the department.

HN 394. Special Topics in Human Nutrition. 1-4 hours.
Selected nutrition topics. Topics vary from year to year and may include nutrition and physical activity, nutrition assessment, nutrition and behavior, nutrition education, food sustainability, or community engagement. Course Information: May be repeated. Students may register in more than one section per term.

HN 396. Independent Undergraduate Study in Human Nutrition. 1-4 hours.
Study in selected areas of human nutrition carried out under the direction of a faculty member. Exact nature of the project is determined by the selected area of interest. Course Information: Prerequisite(s): Consent of the instructor.

HN 405. Food as Medicine I: Cooking for Healing and Wellness. 2 hours.
A new disease state or medical diet will be covered each week and students will learn how to plan menus and prepare foods that are appropriate for each diet. Course Information: Prerequisite(s): HN 110.

HN 406. Food as Medicine II. 2 hours.
A wellness related diet, a disease state, or a medical topic will be covered each week. Students will learn how to plan menus and prepare foods that are appropriate to each diet. Course Information: Prerequisite(s): HN 110; and approval of the department This course is designed for undergraduate and graduate students majoring in nutrition.

HN 407. Writing Process in Nutrition. 2 hours.
Approaches writing as an instrument of thought and a tool of persuasion. Students will learn to effectively communicate nutrition information through writing. Course Information: May be repeated for credit. Prerequisite(s): ENGL 160 and ENGL 161; and junior standing or above; and approval of the department. Recommended Background: HN 196 and HN 110.

HN 410. Food Microbiology. 4 hours.
Discusses food-borne pathogens, toxins, and contaminants. Covers spoilage, pathogenic and beneficial microorganisms in the food industry and microbiological techniques for isolating and quantifying microorganisms of public health concern. Course Information: Prerequisite(s): BIOS 350 and BIOS 351; and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

HN 411. Food Analysis. 4 hours.
Principles and application of the chemical, physical and instrumental methods used to determine the constituents of foods. Course Information: Prerequisite(s): CHEM 222 and HN 300; and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

HN 412. Sensory Evaluation for Foods and Beverages. 2 hours.
Teaches the physiological and psychological basis of human subjects, chemistry of aroma and taste, basic sensory methodologies in food evaluation and analysis and interpretation of sensory data. Course Information: Prerequisite(s): Approval of the Department.

HN 413. Food Product Development. 3 hours.
Principles of food product development: target market evaluation, concept development and presentation, formulation, manufacturing, packaging, product costs, pricing, safety and marketing. Course Information: Prerequisite(s): HN 300; and approval of the department.

HN 414. Fermented Foods and Beverages. 2 hours.
Covers the health benefits and the chemistry and microbiology in making fermented foods and beverages. Course Information: Prerequisite(s): Approval of the Department.

HN 420. Clinical Nutrition II. 3 hours.
Principles of nutrition, biochemistry, physiology, pathology, education, and psychology related to management of selected diseases (diabetes, cancer, HIV/AIDS, renal diseases, and metabolic stress). Course Information: Prerequisite(s): HN 308; or approval of the department.

HN 422. Clinical Nutrition III. 2 hours.
Principles of nutrition, biochemistry, physiology, and pathology related to the management of critically ill patients. Course Information: Prerequisite(s): HN 309 and HN 420; or consent of the instructor.

HN 423. Nutrition Counseling. 3 hours.
Teaches theory and skill development for effective nutrition interviewing and counseling. Experiential opportunities to practice various counseling approaches are provided. Prerequisite(s): HN 302 or HN 201; or approval of the department.

HN 425. Sports Nutrition. 3 hours.
Designed to teach the foundations and application of sports nutrition, including how to assess, counsel and address the nutritional needs of athletes and active individuals. Course Information: Prerequisite(s): HN 302; and approval of the department.

HN 440. The Research Process in Nutrition. 3 hours.
Covers methods for reading and critiquing current scientific literature, overview of study designs used to address different types of research questions, basic overview of study design, data analysis and interpretation of results. Course Information: Prerequisite(s): HN 196; and approval of the department.

HN 455. Supervised Practice II. 1-11 hours.
An advanced supervised practicum in a professional setting to prepare for entry-level dietetics practice. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated to a maximum of 15 hours. Prerequisite(s): Grade of C or better in HN 420 and senior standing or above; and approval of the department.

HN 480. Field Study. 2 hours.
Provides practical experience to develop/strengthen the student's knowledge and skills in an area of nutrition practice. Course Information: Prerequisite(s): HN 410; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Clinical Practice and one Conference.

HN 494. Special Topics in Human Nutrition. 1-4 hours.
Selected nutrition topics. Topics vary from year to year and may include nutrition and physical activity, nutrition assessment, nutrition and behavior, nutrition education, food sustainability, or community engagement. Course Information: May be repeated. Students may register in more than one section per term.

IE 380. Manufacturing Process Principles. 3 hours.
Introduction to basic manufacturing processes such as casting, bulk deformation, sheet metal forming, metal cutting. Interaction between materials, design and manufacturing method. Economics of manufacturing. Course Information: Same as ME 380. Prerequisite(s): CME 203.

IE 391. Industrial Engineering Practicum. 1 hour.
Provides students with the opportunity to apply the skills and knowledge gained in previous engineering courses within a professional, working environment. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. A maximum of 1 hour awarded toward degree requirements. Prerequisite(s): Approval of the Department.

IE 392. Undergraduate Research. 1-3 hours.
Research under close supervision of a faculty member. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Consent of the head of the department.

IE 394. Senior Capstone Design. 4 hours.
Systematic approach to the design process. Creative problem solving. Design methodology and engineering principles applied to open-ended design problems with inherent breadth and innovation. Course Information: Same as ME 394. Credit is not given for IE 394 if the student has credit for ME 396 or IE 396. Prerequisite(s): Senior standing or above; or approval of the department.

IE 396. Senior Design I. 3 hours.
Systematic approach to the design process. Creative problem solving. Design methodology and engineering principles applied to open-ended design problems with inherent breadth and innovation. Course Information: Same as ME 396. Credit is not given for IE 396 if the student has credit in IE 444 or ME 444 or IE 445 or ME 445. Prerequisite(s): ME 347 and IE 201; or IE 345 and IE 201. Open only to seniors. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IE 397. Senior Design II. 2 or 3 hours.
The systematic approach to the design process; creative problem solving; design methodology and engineering principles learned in ME 396 are applied to complete the Senior Design project. Course Information: Same as ME 397. Credit is not given for IE 397 if the student has credit for IE 444 or ME 444 or IE 445 or ME 445. Prerequisite(s): ME 396; or IE 396; and senior standing or above. Requires concurrent registration in ME 499 or IE 499.

IE 411. Mechatronics I. 0-4 hours.
Elements of mechatronic systems, sensors, actuators, microcontrollers, modeling, hardware in the loop simulations, real time software, Electromechanical systems laboratory experiments. Course Information: Same as ME 411. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Senior standing or above or approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

IE 412. Dynamic Systems Analysis I. 3 or 4 hours.
Classical control theory, concept of feedback, laplace transform, transfer functions, control system characteristics, root locus, frequency response, compensator design. Course Information: Same as ME 412. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ME 308.

IE 441. Ergonomics and Human Factors. 3 or 4 hours.
The study of principles and techniques associated with ergonomic problems. Topics include human information input and processing, human output and control, and ergonomic considerations in safety. Course Information: Same as EOHS 441. Previously listed as IE 341. 3 undergraduate hours; 4 graduate hours. Prerequisite(s): Credit or concurrent registration in IE 342 or consent of the instructor.

IE 442. Design and Analysis of Experiments in Engineering. 0-4 hours.
Covers different methods for statistical design of engineering experiments, executing them and analyzing their results. Course Information: Prerequisite(s): IE 342. Class Schedule Information: To be properly registered, student must enroll in one Lecture-Discussion and one Laboratory-Discussion.

IE 444. Interdisciplinary Product Development I. 3 or 4 hours.
Systematic approach to the design process. Creative problem solving. Cross-functional teams (w/students from other departments/colleges) research and apply new product concepts to open-ended design problems. Course Information: Same as ME 444. 3 undergraduate hours. 4 graduate hours. Credit for IE 444 is not given if the student has credit in ME 396 or ME 397 or IE 396 or IE 397. Year-long (with IE/ME 445) project course. Prerequisite(s): ME 347 and IE 201; or IE 345 and IE 201; and senior standing or above; and consent of the instructor.

IE 445. Interdisciplinary Product Development 2. 4 hours.
Cross-functional teams (w/students from AD 420 and MKTG 594) research and develop new product concepts. Focus on solutions to the opportunities identified in IE/ME 444 to functional prototypes. Serves as a replacement for IE/ME 396. Course Information: Same as ME 445. Year-long (with IE/ME 444) project course. Prerequisite(s): IE 444 or ME 444; and senior standing or above; and consent of the instructor. Systematic approach to the design process. Creative problem solving. Cross-functional teams (w/students from other departments/colleges) research and apply new product concepts to open-ended design problems. Focus on solutions to the opportunities. Course Information: Same as ME 445. Credit is not given for IE 445 if the student has credit in ME 396 or ME 397 or IE 396 or IE 397. Year-long (with IE/ME 444) project course. Prerequisite(s): IE 444 or ME 444; and senior standing or above; and consent of the instructor.

IE 446. Advanced Quality Control and Reliability. 3 or 4 hours.
Principles of statistical quality control including control by variable and by attribute, construction and use of control charts for variables, fraction defectives and number of defects and use of standard plans, reliability and life cycle testing. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IE 342.

IE 461. Safety Engineering. 3 or 4 hours.
Human protection systems; accident and emergency handling; manufacturing and service hazard systems. Course Information: Same as EOHS 460. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IE 342 and IE 365; or consent of the instructor.

IE 463. Manufacturing Facilities Design and Material Handling. 3 or 4 hours.
Facilities design functions, computer-aided plant layout, facility location, warehouse layout Minimax location, deterministic and probabilistic conveyor models. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Credit or concurrent registration in IE 201 and Credit or concurrent registration in IE 345 and Credit or concurrent registration in IE 365 and Credit or concurrent registration in IE 472.

IDS 270. Business Statistics I. 4 hours.
Working with business data. Data summarization, visualization, business insights. Probability, sampling distributions, confidence intervals, hypothesis testing and introduction to linear regression. Use of software for data visualization and analysis. Course Information: Prerequisite(s): MATH 165 or MATH 180 or MATH 181. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

IDS 312. Business Project Management. 3 hours.
An integrative approach to learning how projects contribute to the strategic goals of the organization. Major issues: selecting projects, project management techniques and tools, budgeting, monitoring, risk mitigation, and interpersonal skills.

IDS 313. Internet Applications in Business. 3 hours.
Internet business applications in entrepreneurship, finance, accounting, and marketing. Assessing business problems, planning Internet-based solutions, and understanding web tools. Students interested in further studies can continue with IDS 413.

IDS 331. Business Analysis Using Spreadsheets. 3 hours.
Analyzing business cases using spreadsheet software. Effective and efficient use of Excel. Spreadsheet automation using Visual Basic for Applications. Course Information: Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): IDS 200. Recommended background: ACTG 210.

IDS 355. Operations Management. 3 hours.
Application of management sciences to the planning and design of production, distribution, and service systems. Course Information: Prerequisite(s): ENGL 161. Class Schedule Information: During the fall and spring terms, combined section final exam will be held on Thursday of finals week from 3:30 to 5:30 p.m. To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

IDS 371. Business Statistics II. 3 hours.
Continuation of statistical concepts, techniques for managerial decisions. Analysis of variance, multivariate regression, time series, statistical process control, non-parametric methods. Use of statistical software for data visualization, analysis. Course Information: Prerequisite(s): IDS 270 and MATH 165.

IDS 400. Programming for Data Science in Business. 3 or 4 hours.
Aims to provide students the knowledge and skills for designing and developing data science applications in various business areas, using a language such as Python. Focuses on programming constructs and use of functions and packages. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): IDS 201and basic knowledge of programming at the level of IDS 201 or equivalent. Recommended background: IDS 270.

IDS 401. Business Object Programming using Java. 0-4 hours.
Basic concepts in object-oriented programming such as objects, classes, class inheritance and interfaces, data abstraction and encapsulation, polymorphism, and dynamic binding. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 201 or the equivalent. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IDS 403. Information Security. 3 or 4 hours.
Examine the field of information security to prepare students for their future roles as business decision-makers. Presents a balance of the managerial and technical aspects of information security. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 200 or the equivalent.

IDS 405. Business Systems Analysis and Design. 3 or 4 hours.
Theory of analysis, design and development of information systems; information management and database management systems; data management and analysis; case studies in systems implementation and evaluation. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 201 or IDS 331.

IDS 406. IDS Consulting Practicum. 3 or 4 hours.
Students interact with businesses or non-profit organizations to design and develop technology, business and analytics-related solutions in IDS areas. Experiential learning on all project phases from investigation and analysis, through presentation. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Knowledge of databases, programming, statistics; or consent of instructor. Recommended background: Senior standing; and familiarity with systems analysis and design.

IDS 410. Business Database Technology. 3 or 4 hours.
Computer software techniques used in business with emphasis on information management and database management systems. Data management and analysis. Major types of database management systems, query languages. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 201 or IDS 331. For BS in Data Science prerequisite is an equivalent course like CS 141.

IDS 412. Distributed Business Systems. 3 or 4 hours.
Organizational aspects and underlying concepts of distributed business systems, decentralization versus centralization issues, costs of distributed computing, and performance evaluation measures. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 201 or IDS 330; and credit or concurrent registration in IDS 410.

IDS 413. Internet Technology and Management. 3 hours.
The technologies of World Wide Web development. Topics include: TCP/IP, HTTP, HTML, HTML authoring, XML, ASP programming, client-side programming, and Web 2.0, web servers, database servers, business application servers and Internet. Course Information: Credit is not given for IDS 413 if the student has credit for IDS 424. Extensive computer use required. Prerequisite(s): IDS 201 or IDS 331; and IDS 410.

IDS 420. Business Model Simulation. 3 or 4 hours.
Simulation analysis of strategic business decision models for investment, marketing, product introduction, and operational policies concerning inventory, production planning, quality assurance and supply chain management. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Credit or concurrent registration in IDS 355; or credit or concurrent registration in IDS 331 or the equivalent.

IDS 422. Text Mining for Business Applications. 3 or 4 hours.
Text mining for business applications. It will cover document representation, text categorization and clustering, basic natural language processing techniques, sentiment analysis, probabilistic topic models and text visualization. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 371 or consent of the instructor.

IDS 435. Optimization for Analytics. 3 or 4 hours.
Optimization methods for machine learning and data science applications in business, engineering, sciences. Core formulations and algorithms for continuous, discrete, dynamic optimization problems. Why algorithms work, and implementation of methods. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): IDS 371 or the equivalent; and knowledge of programming at the level of IDS 201 or equivalent.

IDS 479. Enterprise Risk Management. 3 or 4 hours.
Overview of enterprise-wide risk management strategies and techniques: strategies that firms employ to enhance value and minimize exposure; techniques used to identify, measure, reduce, and transfer risk. Course Information: Same as FIN 479. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): FIN 300; or consent of the instructor. Recommended background: IDS 473 or FIN 473.

IDS 494. Topics in Information and Decision Sciences. 3 or 4 hours.
Topics vary; selected readings; case analysis. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s) if topics vary. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

IDS 495. Competitive Strategy. 4 hours.
Multidisciplinary analysis of organizational strategy and policy using case method and/or business simulation. Assignments involve extensive library research and oral and written reports. Course Information: Credit is not given for IDS 495 if the student has credit in MGMT 495 or ACTG 495 or FIN 495. Prerequisite(s): Senior standing or above Senior standing in the College of Business Administration and completion of all other CBA core courses.

IDS 499. Research Experience. 1-3 hours.
Research experience under the supervision of a faculty member. The faculty member and student will determinne the research project. Each student must submit a written report and each student must participate at a research event on campus. Course Information: May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): Consent of the department and the instructor.

Information Technology (IT)

Courses

IT 101. Java Programming for Information Technology. 3 hours.
Elementary data types, arithmetic & logical operations, control structures & error handling, methods & functions, introduction to object-oriented programming design & implementation. Emphasis is placed on the development of problem-solving skills. Course Information: Prerequisite(s): Grade of C or better in MATH 121. Recommended background: CS 100 or basic computer literacy. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IT 201. Introduction to Computer Configuration and Operating System Software. 3 hours.
Introduction to concepts of computer configuration, and Operating System Software. Comparisons of commercially available CPU families, peripherals, system performance and evaluation. Discussions of technological developments and commercially available systems. Course Information: Prerequisite(s): Credit or concurrent registration in IT 101 or credit or concurrent registration in CS 102 or CS 107. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IT 202. Web and Multimedia Technology. 3 hours.
Introduciton to internet, multimedia concepts, protocols, and tools. HTML document markup language. Web site design. Script programming for interactive web pages. Creating, editing images, video, and audio for internet use. Programming exercises. Course Information: Prerequisite(s): Credit or concurrent registration in IT 101 or credit or concurrent registration in CS 102 or CS 107. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IT 301. Networks and Distributed Computing Technology. 3 hours.
Introduction to the use of computers on a network. Installation and configuring of networking components: Firewalls, nameserver and gateways. Use of both wired and wireless networks. Course Information: Prerequisite(s): IT 201. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

IT 302. Database Administration and Installation. 3 hours.
A study of the use of existing databases (bibliographic and non-bibliographic formats), their data structure, processing and retrieval data, integrity and security, and interface design issues. Course Information: Prerequisite(s): IT 202. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

Interdisciplinary Education in the Arts (IDEA)

Courses

IDEA 110. Creativity and Innovation in Design and Arts. 4 hours.
Provides knowledge of the issues and factors that motivate, influence, and materialize creativity and innovation in design and arts disciplines. Course Information: Previously listed as ISA 110. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory. *Creative Arts course*.

IDEA 120. Digital Practices in Design and Arts. 4 hours.
Introduction to key ideas and fundamentals of computing in contemporary digital practices in design and the arts disciplines. Class will expose students to exciting practitioners in the field. Course Information: Previously listed as ISA 120. Extensive computer use required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

IDEA 130. Introduction to Game Studies: Play and Praxis. 4 hours.
Overview of game studies as an interdisciplinary field concerning game creation, and the historical, cultural, social, and technological importance of games. Emphasis on game theory, gamification, game creation methods, and game cultures. Course Information: Extensive computer use required. Field trip required at a nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory.

IDEA 210. Topics in IDEAS: Intermedia and Interdisciplinary Artforms. 4 hours.
Topics designed specifically of interdisciplinary subject matter. Topics will be determined by faculty and student interest in interdisciplinary, intermedia, and transdisciplinary forms of cultural production. Course Information: May be repeated to a maximum of 8 hours. Recommended Background: IDEA 110 and IDEA 120.

IDEA 310. Independent Study Course for IDEA Majors. 1-4 hours.
Subject matter is determined by student in collaboration with supervising faculty member. Course Information: Prerequisite(s): IDEA 110 and IDEA 120. Recommended Background: Comfort with interdisciplinary creative practices.

ISA 300. Interdisciplinary Topics. 3 hours.
Studies in interdisciplinary arts which will explore significant and relevant topics in the visual and performing arts. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): ENGL 161 and junior standing or above.

ISA 399. Research Experience in the Arts. 1-3 hours.
Research experience under the guidance of a faculty member who will act as research supervisor. Course Information: Satisfactory/ Unsatisfactory grading only. May be repeated. Application of credit toward the degree is contingent upon the approval of the student's college and/or department. Prerequisite(s): Approval of the department or college and consent of the instructor supervising the research experience.

ISA 400. Advanced Topics in Interdisciplinary Arts. 3 or 4 hours.
Exploration of advanced topics in interdisciplinary arts which include architecture, art and design, art history, music and theatre. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s).

ISA 490. International Student Exchange Program. 0-18 hours.
The Student Exchange Program enables the reciprocal exchange of students between UIC and colleges or universities in other countries. There are a variety of program tailored to meet the needs of both graduate and undergraduate students. Course Information: May be repeated for a maximum of 48 hours of credit. May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year. Determination of the number of credits to be granted is part of the proposal approval process. Students from other UIC Colleges and Schools are eligible for the program. For more information, visit the website at http://www.uic.edu/depts/oia/resources-student/studentexchange.html. Prerequisite(s): Junior standing or above and approval of the student's major department, the AA College office, and the Office of International Affairs.

International Studies (INST)

Courses

INST 105. Global Transformations and the Rise of the West Since 1000. 3 hours.
Overview of historical transformations that led to the rise of Europe and the wider West to global preeminence. Emphasizes contributions of other world cultures to this development. Course Information: Same as HIST 105. This class may be taught in an online format. When that is the case, internet access will be required. A high-speed connection is strongly suggested. Please check the online class schedule for online sections. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and World Cultures course*.

INST 106. The World Since 1400: Converging Worlds, New Circulations. 3 hours.
Overview of historical developments that created an interconnected world. Explorations, rise of capitalism, European colonialism, nationalism and development, and post-colonialism. Course Information: Same as HIST 106. Course is offered in both face-to-face and hybrid/ online formats. Check the class schedule for details. When taught online or hybrid, students will be required to have reliable internet access and a means for accessing it (computer preferable). Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Past course, and World Cultures course*.

INST 114. Topics in World History. 3 hours.
Introduction to history through global events and the historical development of diverse cultural, religious, social, economic, and political institutions. Course Information: Same as HIST 114. May not be repeated for credit. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion.

INST 130. Introduction to Comparative Politics. 3 hours.
Comparative study of political institutions, political culture, and political processes in selected major countries of the world. Course Information: Same as POLS 130. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the relevant semester to determine the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high-speed connection, while not required, is strongly suggested. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course*.

INST 184. Introduction to International Relations. 3 hours.
Political, military, and economic relations between states, international organizations and transnational actors. Problems of war, imperialism and the world economy. Prospects for global cooperation. Course Information: Same as POLS 184. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course, and World Cultures course*.

INST 200. Topics in International Studies. 3 hours.
An exploration of various topics in international studies through an interdisciplinary lens, addressing issues related to world markets and development, global cultures and societies, and international security and governance. Course Information: May be repeated for a maximum of 9 hours if topics vary. Prerequisite(s): Completion of a 100-level INST course.

INST 221. Macroeconomics in the World Economy: Theory and Applications. 3 hours.
Determinants of the level of economic activity, inflation, unemployment, international economics, impact of domestic and world economy on business decisions, applications of the theory. Course Information: Same as ECON 221. Prerequisite(s): ECON 118 and ECON 119; or ECON 120 and ECON 121; and MATH 121.

INST 250. Eastern and Western Philosophies of Religion. 3 hours.
Eastern and Western philosophies of religion: Hinduism, Buddhism, Judaism, and Christianity. Course Information: Same as RELS 250. *World Cultures course*.

INST 283. International Political Economy. 3 hours.
Political underpinnings and ramifications of international economic relations. Foreign trade policy, multinational corporations, oil North-South relations, economic warfare. Course Information: Same as POLS 283. Prerequisite(s): POLS 184 or INST 184 or consent of the instructor.

INST 284. International Security. 3 hours.
International conflict and cooperation, including war, nationalism, global inequality, and the environment. Course Information: Same as POLS 284. Prerequisite(s): POLS 184 or INST 184 or consent of the instructor.

ITAL 230. Italian and Italian American Culture and Civilization. 3 hours.
Italian and Italian American culture and civilization will explore key moments in Italian social history and its connection to the Italian diaspora. Course Information: Same as CL 230. Taught in English. No knowledge of Italian required. *Past course, and World Cultures course*.

ITAL 240. Rapid Italian Language for Spanish Speakers. 4 hours.
Comparative linguistic differences between Spanish and Italian; practice in speaking, reading, and writing. Course Information: Prerequisite(s): Native speakers of Spanish, or any 200-level Spanish courses, or consent of the instructor.

ITAL 270. Migration and Diaspora in the Italian and Italian American Experience. 3 hours.
Immigrants' identities as seen through literature, film, television, poetry. Focus will be on Italian and Italian American narratives. Course Information: Same as ENGL 270. Taught in English. Extensive computer use required. No knowledge of Italian required. This course is offered in both face-to-face (16 weeks) and online asynchronous format (8 weeks). Online courses involve heavy computer usage; computer and internet access are required. Check the class schedule for details on specific sections. Recommended background: Completion of the University Writing Requirement. *US Society course*.

ITAL 280. Italian and Italian American Cinema. 3 hours.
Italian and Italian American films and cinematic movements presented within the context of Italian culture and its diaspora. Course Information: Same as MOVI 280. Taught in English. Extensive computer use required. No knowledge of Italian required. Films screened with English subtitles. This course is offered in both face-to-face (16 weeks) and online asynchronous format (8 weeks). Online courses involve heavy computer usage; computer and internet access are required. Check the class schedule for details on specific sections. Recommended Background: Credit or concurrent registration in ENGL 102; or Credit or concurrent registration in ENGL 120; or Credit or concurrent registration in ENGL 121. *Creative Arts course, and World Cultures course*.

ITAL 293. Dante's Divine Comedy. 3 hours.
An in-depth study of the Divine Comedy, read in English, against the historical, religious, philosophical and cultural background of the Middle Ages. Course Information: Same as CST 293 and RELS 293. Previously listed as ITAL 193. *Creative Arts course, and Past course*.

ITAL 300. Advanced Topics in Italian Literary and Cultural Studies. 3 hours.
Advanced exploration of topics relating to Italian cultural studies with a special focus on Italian literature and other media. Course Information: May be repeated for a maximum of 6 hours if topic is different for each registration and with consent of the instructor. Taught in Italian. Prerequisite(s): ITAL 200 or ITAL 201 or ITAL 210 or the equivalent or consent of the instructor.

ITAL 301. Advanced Topics in Italian Visual Media and Film. 3 hours.
Advanced topics course on specific periods or movements in Italian film and other visual media. Topics will vary.Course Information: May be repeated for a maximum of 6 hours if topic is different for each registration and with consent of the instructor. Taught in Italian. Prerequisite(s): ITAL 200 or ITAL 201 or ITAL 210 or the equivalent or consent of the instructor. Recommended background: ITAL 280.

ITAL 302. Advanced Topics in Gender, Politics, and Cultural Difference in Italian Studies. 3 hours.
Study of different cultural movements and their effect on the construction and deconstruction of national, regional, class, and gender identities in the Italian context. Topics will vary.Course Information: May be repeated for a maximum of 6 hours if topic is different for each registration and with consent of the instructor. Taught in Italian. Prerequisite(s): ITAL 200 or ITAL 201 or ITAL 210 or the equivalent or consent of the instructor.

ITAL 303. Contemporary Italian Language, Culture and Society. 3 hours.
Focus on contemporary Italian culture and society through the exploration of audio-visual (music, films) and written texts. Learners refine their communicative competence in Italian, critical thinking skills, and cultural and intercultural awareness. Course Information: Taught in Italian. Prerequisite(s): Credit or concurrent registration in ITAL 200 or ITAL 201 or ITAL 210 or equivalent; or consent of the instructor.

ITAL 370. Writing and Research in the Major. 1 hour.
Perfecting writing and expository skills in English. Required for majors in the department. Course Information: Same as FR 370 and SPAN 370. Prerequisite(s): Junior or senior standing and approval of the department.

ITAL 399. Independent Study. 1-3 hours.
For majors and minors in Italian who wish to supplement regular courses or undertake individual study projects. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): Approval of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

Japanese (JPN)

Courses

JPN 101. Elementary Japanese I. 4 hours.
First course of the four-semester program to develop basic Japanese skills for both oral and written communication and to develop cultural awareness and competence through learning various aspects of Japanese cultures. Course Information: Extensive computer use required. This course is taught in a blended-online format. Use of computer and internet access are required. A high-speed connection is strongly suggested. Seniors interested in this course must contact the Japanese BLP Coordinator.

JPN 102. Elementary Japanese II. 4 hours.
Second course of the four-semester program to develop basic Japanese skills for both oral and written communication and to develop cultural awareness and competence through learning various aspects of Japanese cultures. Course Information: Extensive computer use required. This course is taught in a blended-online format. Use of computer and internet access are required. A high-speed connection is strongly suggested. Prerequisite(s): A grade of C or above in JPN 101, or appropriate score on the department placement test.

JPN 103. Intermediate Japanese I. 4 hours.
Third course of the four-semester program to develop basic Japanese skills for both oral and written communication and to develop cultural awareness and competence through learning various aspects of Japanese cultures. Course Information: Extensive computer use required. This course is taught in a blended-online format. Use of computer and internet access are required. A high-speed connection is strongly suggested. Prerequisite(s): A grade of D or above in JPN 102, appropriate score on the department placement test, or the equivalent AP test score.

JST 243. Politics and Government of the Middle East. 3 hours.
Contemporary Middle East political institutions, culture, processes, and conflicts. Emphasis on interaction of traditional and modern forces, such as Islam, nationalism, political elites, ideologies, states. Course Information: Same as POLS 243. Prerequisite(s): POLS 130 or POLS 190; or consent of the instructor. *World Cultures course*.

JST 296. Topics in Jewish Studies. 3 hours.
How Jews became a modern ethnic group, how their experiences compare with other ethnic groups, and how their experiences in modern times vary from nation to nation. Course Information: Same as RELS 296. May be repeated to a maximum of 6 hours. Previously listed as JST 294.

JST 311. Gender and Sexuality in Early Christianity and Judaism. 3 hours.
Examination of the root of contemporary perspectives on gender and sexuality in the early traditions of Judaism and Christianity including the Bible, the Epic of Gilgamesh, the Church Fathers, the Talmud, and legends of the saints. Course Information: Same as GWS 311 and RELS 311.

JST 394. Topics in Jewish Studies. 3 hours.
Selected topics in Jewish culture and history. Course Information: Same as RELS 395. May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

JST 410. Advanced Studies in Jewish Literature, Art and Culture. 3 or 4 hours.
Selected topics in Jewish literature and/or arts, in one or more places and time periods. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s) if topics vary. Prerequisite(s): One course in Jewish Studies. Recommended background: JST 102.

JST 420. Advanced Studies in Jewish Religion. 3 or 4 hours.
In-depth study of a period or mode of Jewish religious development or textual production, or an examination of a religious tenet or practice across various historical periods. Topics will vary.Course Information: Same as RELS 420. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s) if topics vary. Prerequisite(s): JST 101; and JST 230 or JST 242 or JST 254.

JST 430. Advanced Studies in Jewish Thought. 3 or 4 hours.
Advanced topics in Jewish theology, philosophy, ethics or political thought. Course Information: Same as RELS 430. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): One 100-level and one 200-level course in Jewish Studies.

JST 475. The Bible as Literature: Hebrew Bible. 3 or 4 hours.
Literary analysis of genres and themes of the Hebrew Bible and close reading of the biblical texts. Sources of the Bible and their historical context. Course Information: Same as ENGL 475 and RELS 475. 3 undergraduate hours. 4 graduate hours. Previously listed as JST 478. Taught in English. Recommended background: Any of ENGL 175 or ENGL 207-209.

JST 494. Topics in Jewish Studies. 3 or 4 hours.
Selected topics in Jewish studies. Course Information: Same as RELS 494. 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 6 hours if topics vary. Prerequisite(s): JST 101 or JST 102 or consent of the instructor.

Kinesiology (KN)

Courses

KN 100. Kinesiology: First Year Seminar. 2 hours.
Overview of kinesiology emphasizing the key concepts of the sub-disciplines and diverse range of careers in the field. Focuses on academic and professional preparation given the integrative nature of the discipline and current trends.

KN 110. Life Skills for Student Athletes. 2 hours.
Prepares student-athletes, and those working with student-athletes, to thrive as leaders in their community and workplace, be productive members of society, and contribute value to their own life and to those with whom they interact.

KN 130. Stress Management. 3 hours.
Introduction to stress and its effects on health, with experiential application of coping strategies and relaxation techniques. Addresses conventional and innovative approaches, with a special emphasis on holistic health and wellness.

KN 136. Techniques and Principles of Exercise. 3 hours.
Teaches students how to identify, describe, execute, and progress common resistance and aerobic exercises for optimal health, athletic performance and overall fitness. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

KN 137. Personal Fitness. 1 hour.
Evaluation of each student's level of fitness, followed by participation in a group exercise program. Variable training modes. Discussion on fitness-related topics.

KN 150. The Healthy Human. 3 hours.
Using the core dimensions of wellness, this course prepares students to live healthy, proactive lifestyles by creating a personal framework to serve them in their daily lives. Emphasis will be on the holistic integration of body, mind, and spirit. *Individual and Society course*.

KN 151. Success Strategies for Anatomy and Physiology. 1 hour.
Teaches students to engage in effective study and learning strategies, with an emphasis on metacognition, for success in A&P. These metacognitive skills are transferable to other courses in the student's higher education experience. Course Information: Corequisites: Requires concurrent registration in KN 230 or KN 253.

KN 152. Introduction to Exercise Physiology and Health. 3 hours.
Provides students with the fundamental knowledge of the structure and function of the human body, particularly as it relates to the interaction between physical activity and health and disease. Course Information: Recommended background: High school chemistry, biology and/or physiology. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion. *Natural World - With Lab course*.

KN 194. Special Topics in Kinesiology. 1-3 hours.
Participation and study in selected activities in Kinesiology. Course Information: May be repeated if topics vary. Students may register in more than one section per term.

KN 337. Psychology of Injury and Recovery. 3 hours.
Introduces the psychological, social, and emotional experiences associated with the acquisition and experience of physical injuries. Course Information: Prerequisite(s): KN 237.

KN 345. Exercise Assessment and Programming. 3 hours.
Emphasizes a variety of advanced experiences in integrating assessment and programming techniques and approaches to exercise, fitness, health and sport. Course Information: Prerequisite(s): KN 243, and KN 245, and either KN 251, or KN 230 and KN 232. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

KN 350. Cadaver Dissection I. 2 or 3 hours.
Cadaver dissection using the regional approach. Dissection of the musculo-skeletal system, spinal cord and peripheral nervous system. Course Information: Prerequisite(s): Grade of C or better in KN 251 or Grade of C or better in KN 255 or Grade of C or better in KN 232; or consent of the instructor.

KN 351. Cadaver Dissection II. 2 or 3 hours.
Cadaver dissection using the regional approach method. Dissection of the brain, cardiovascular, respiratory, digestive, urinary and reproductive systems. Course Information: Prerequisite(s): Grade of B or better in KN 252 or consent of instructor.

KN 352. Physiology of Exercise. 4 hours.
The physiological responses associated with acute and chronic physical exercise; muscular, circulatory, respiratory and nervous systems. Course Information: Prerequisite(s): KN 152; and KN 231 or KN 252 or KN 254. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

KN 361. Movement Biomechanics. 3 hours.
Introduces students to the science of mechanics with a particular emphasis on the application of mechanics to the analysis of normal and pathological human and animal movement. Course Information: Previously listed as KN 260. Prerequisite(s): MATH 121 and KN 261 and PHYS 131 or higher.

KN 362. Tissue Biomechanics. 3 hours.
Introduces students to the biomechanics of the tissues of the body, emphasizing the musculoskeletal system. Students will study the structure-function relationship of tissues, and how this relationship is disrupted with disease or injury. Course Information: Credit is not given for KN 362 if the student has credit in KN 465. Prerequisite(s): MATH 121; and PHYS 131.

KN 372. Motor Control and Learning. 3 hours.
Introduction to basic principles regarding the acquisition and control of human movements. Course Information: Prerequisite(s): KN 252; or KN 231 and KN 233.

KN 393. Undergraduate Internship in Kinesiology. 3 or 6 hours.
This course will provide students with a working experience at a professional job site where they can apply the knowledge, skills and abilities they have learned in the program. Course Information: Field work required. Students must provide their own transportation to and from internship sites. Prerequisite(s): Approval of the department and completion of all required courses for the chosen internship site.

KN 394. Special Topics in Kinesiology. 1-3 hours.
Flexible course structure designed to accommodate additional topics not covered in current course offerings. Topic examples include muscle physiology, psychology of physical activity, biomechanics and motor control of special populations. Course Information: May be repeated if topics vary. Students may register in more than one section per term. Prerequisite(s): Sophomore standing or above; and consent of the instructor.

KN 396. Special Project. 1-3 hours.
Selected topics in Kinesiology for individual study. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Approval of student project by the KN 396 instructor and supervising instructor.

KN 397. Special Project Presentation. 1 hour.
Students will prepare and present their experiential learning project in a public forum. Emphasis will be on building the competencies of scientific communication and professionalism. Course Information: Prerequisite(s): KN 396.

KN 398. Undergraduate Research. 1-3 hours.
An in-depth research analysis for the development of a research proposal in the student's area of interest. Review current literature, investigate various research methodologies, review the relevant research policies, and develop a proposed project. Course Information: Prerequisite(s): Approval of the department.

KN 399. Undergraduate Research Presentation. 1 hour.
The implementation of the proposal developed in KN 398. Data collection, analysis and interpretation will provide the basis for the written project. The project will be presented in an open forum to faculty and other students. Course Information: Prerequisite(s): KN 398.

KN 400. Entrepreneurship for Applied Health Professionals. 3 hours.
Relates the theory, principles and practices applied in entrepreneurial start-up settings in healthcare and human performance professions. Course Information: Prerequisite(s): Junior standing or above.

KN 410. Aging and the Motor System. 3 hours.
Introduction to aging with a focus on its impact on the physical structure and function of the neural, muscular and skeletal systems; the mechanics through which the trajectory of aging can be potentially modified. Course Information: Prerequisite(s): KN 252; or KN 231 and KN 233.

KN 431. Lower Extremity Overuse Injury. 3 hours.
Critical review of the literature related to lower extremity overuse injury; current practices and research gaps in the prevention and treatment of these injuries; movement assessment and corrective exercise to prevent and care of these injuries. Course Information: Prerequisite(s): KN 261 and KN 331. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

KN 432. Foundations of Positive Psychology. 3 hours.
Introduces students to positive psychology and the opportunities for human development channeling positive thoughts, emotions and behaviors to achieve life, relationships and legacy goals. Course Information: Prerequisite(s): Acceptance into the concentration in Performance, Sport and Exercise Psychology within the MS in Kinesiology or consent of the instructor.

KN 495. Senior Seminar. 1 hour.
Challenges students to integrate concepts learned in previous courses to solve problems and come to conclusions on health-related topics. It also prepares students for their immediate post-baccalaureate professional steps. Course Information: Prerequisite(s): Senior standing or above.

KN 496. Special Projects in Kinesiology. 1-3 hours.
Independent research on special projects. Course Information: Prerequisite(s): Approval by graduate faculty member and graduate director.

Korean (KOR)

Courses

KOR 101. Elementary Korean I. 4 hours.
Introduction to Korean language and culture. Intensive practice in speaking, listening, reading, and writing. Course Information: Course is taught in a blended-online format. Extensive computer use is required. A high-speed connection is strongly suggested. Seniors interested in this course must contact the Korean BLP Coordinator.

KOR 102. Elementary Korean II. 4 hours.
A continuation of KOR 101. An elementary level examination of Korean language and culture. Intensive practice in speaking, listening, reading and writing. Course Information: This course is taught in a blended-online format. Extensive computer use is required. A high-speed connection is strongly suggested. Prerequisite(s): Grade of C or better in KOR 101; or appropriate score on the department placement test.

KOR 103. Intermediate Korean I. 4 hours.
A continuation of KOR 102. An intermediate-level examination of Korean language and culture. Intensive practice in speaking, listening, reading, and writing. Course Information: This course is taught in a blended-online format. Extensive computer use is required. A high-speed connection is strongly suggested. Prerequisite(s): Grade of C or better in KOR 102; or appropriate score on the department placement test.

KOR 104. Intermediate Korean II. 4 hours.
This fourth of a four-semester basic language program in Korean and continuation of KOR 103. An intermediate level examination of Korean language and culture. Intensive practice in speaking, listening, reading, and writing. Course Information: This course is taught in a blended-online format. Extensive computer use is required. A high-speed connection is strongly suggested. Prerequisite(s): Grade of C or better in KOR 103; or appropriate score on the department placement test.

KOR 130. Understanding Korean History, Culture and Society through Contemporary Korean Films. 3 hours.
Exploration of contemporary Korean history and culture through film. Course Information: Same as MOVI 130. Taught in English. *World Cultures course*.

KOR 201. Advanced Korean I. 3 hours.
The study of Korean at a low-advanced level. Students will be involved with intensive listening, speaking, reading and writing used in low-advanced formal and informal communicative situations. Course Information: Prerequisite(s): Grade of C or better in KOR 104; or appropriate score on the department placement test.

KOR 230. Korean Popular Culture in a Global World. 3 hours.
An introduction to the global phenomenon of Korean popular culture, including music, film, and television. Examines diverse K-Pop themes such as cross-cultural impacts and its possibilities for the future. Course Information: Taught in English. *World Cultures course*.

Latin (LAT)

Courses

LAT 101. Elementary Latin I. 4 hours.
Fundamentals of the Latin language. Grammar and reading. Course Information: For students who have no credit in Latin. One additional hour of computer-assisted instruction each week.

LAT 102. Elementary Latin II. 4 hours.
Continues LAT 101. Grammar and reading. Course Information: One additional hour of computer-assisted instruction each week. Prerequisite(s): LAT 101 or the equivalent.

LAT 103. Intermediate Latin I. 4 hours.
Introduction to Roman historians and oratory. Selections from Cicero, Sallust, Livy, and other Latin prose writers. Review of forms and grammar. Course Information: Prerequisite(s): LAT 102 or the equivalent.

LAT 104. Intermediate Latin II. 4 hours.
Completes study of Latin at intermediate level. Latin poetry as well as prose, and grammar. Course Information: Prerequisite(s): LAT 103 or the equivalent.

LAT 291. Topics in Latin Prose Authors. 3 hours.
Readings in Latin prose chosen from a single author, period, or single genre. Course Information: Same as CL 291. May be repeated for a maximum of 9 hours if topics vary. Taught in English. Students who register in CL 291 will complete assignments in English translation. Students who register in LAT 291 will complete more than half of the readings in Latin. Prerequisite(s): LAT 104 or equivalent for students who register in LAT 291 only. Recommended background: CL 102. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

LAT 299. Independent Reading. 3 hours.
Individual study under faculty direction. For students qualified by preparation and interest. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): LAT 104 or the equivalent. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

LAT 391. Topics in Latin Poetry. 3 hours.
Advanced readings in Latin poetry chosen from a single author, period, or single genre in different periods. Course Information: Same as CL 391. May be repeated to a maximum of 9 hours if topics vary. Taught in English. Students who register in CL 391 will complete assignments in English translation. Students who register in LAT 391 will complete more than half of the readings in Latin. Prerequisite(s): CL 250 or CL 252 or CL 253; or consent of the instructor; and LAT 291 or the equivalent for students who register for LAT 391 only. Recommended background: CL 102. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

LALS 223. Southwestern Archaeology. 3 hours.
Introduction to the archaeology of ancient Native American cultures of the North American Southwest, emphasizing processes of culture change from earliest times until European contact, with focus on current debates and relevant methods and theories. Course Information: Same as ANTH 223. Prerequisite(s): Credit or concurrent registration in ANTH 102; or consent of the instructor.

LALS 225. Racial and Ethnic Groups. 3 hours.
Sociological and social-psychological analysis of racial, religious, and other ethnic groups; consideration of historical and current social problems arising from their relationships in society. Course Information: Same as BLST 225 and SOC 225. Prerequisite(s): SOC 100; or consent of the instructor. *Individual and Society course, and US Society course*.

LALS 229. Sociology of Latinos. 3 hours.
Examines social, political and economic issues affecting Latino groups. While focusing on the process of racialization, the course also examines immigration, language rights, gender and sexuality, labor market, media, and youth. Course Information: Same as SOC 229. Prerequisite(s): SOC 100 or LALS 102 or SOC 105 or LALS 103; or consent of the instructor. *Individual and Society course, and US Society course*.

LALS 233. Latinos in Chicago. 3 hours.
Development and dynamics of Chicago's Mexican, Puerto Rican, Cuban, Central and South American communities: settlement, demographics, economics, culture, social institutions and political participation.

LALS 239. Visual Culture of the Ancient Andes. 3 hours.
A survey of the visual expressions, material culture, and built environment of ancient Andean civilization, from the earliest manifestations of societal complexity through the Spanish Conquest, with particular attention to the environmental, ideologi. Course Information: Same as AH 273. *Creative Arts course, and World Cultures course*.

LALS 240. Visual Culture of Ancient Mesoamerica. 3 hours.
A survey of the visual expressions, material culture, and built environment of ancient Mesoamerican civilization, from the earliest manifestations of societal complexity through the Spanish Conquest, with particular attention to the environmental, id. Course Information: Same as AH 274. *Creative Arts course, and World Cultures course*.

LALS 242. Government and Politics of Latin America. 3 hours.
An examination of government and politics in selected Latin American countries. Comparative and historical analysis of dictatorship, democracies, political institutions, and parties. Course Information: Same as POLS 242.

LALS 256. European-Indigenous Interaction in Latin America. 3 hours.
Responses of indigenous societies in Latin America to colonization by people from the Old World. The historical and social circumstances of contact and culture change will be covered. Course Information: Same as ANTH 256. *World Cultures course*.

LALS 257. Archaeology of North America. 3 hours.
Introduction to the prehistoric cultures of North America from earliest times until the arrival of Europeans. Course Information: Same as ANTH 226. Prerequisite(s): ANTH 102 or consent of the instructor.

LALS 258. Ancient Civilizations of Mexico and Central America. 3 hours.
Analysis and interpretation of the archaeological evidence on the process of development of native civilization in the Meso-American area from the beginnings of agricultural settlement to the eve of the Spanish conquest. Course Information: Same as ANTH 227 and GEOG 207. Prerequisite(s): ANTH 102; or sophomore standing or above; or consent of the instructor.

LALS 260. Indigenous Storytelling in Latin America. 3 hours.
Study of Legend of the Suns, the Quetzalcoatl cycle, pictographic stories, the Popol Vuh and tales from Huarochirí in the colonial context. *Creative Arts course, and World Cultures course*.

LALS 261. Latin America to 1850. 3 hours.
Provides a survey of the pre-Columbian and early national periods in Latin America. Course Information: Same as HIST 261. Prerequisite(s): ENGL 161; or consent of the instructor.Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Past course, and World Cultures course*.

LALS 262. Latin America Since 1850. 3 hours.
Provides an introduction to Latin American socioeconomic, political, and cultural development since 1850 with emphasis on major countries and regions. Course Information: Same as HIST 262. Course is offered in both face-to-face and online formats. Check the class schedule for details on specific sections. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Past course, and World Cultures course*.

LALS 263. Latin American Colonial Art. 3 hours.
A survey of Latin American art and architecture from European contact to independence. Course Information: Same as AH 263. Prerequisite(s): Three hours of art history at the 100 level, or consent of the instructor. *Creative Arts course, and World Cultures course*.

LALS 266. Modern Mexico. 3 hours.
Provides an introduction into the social, cultural, and political history of Mexico from the decades after independence to the present. Course Information: Same as HIST 266. Prerequisite(s): ENGL 161; or consent of the instructor.Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and World Cultures course*.

LALS 267. Introduction to U.S. Latinx Literature. 3 hours.
Introductory survey of a wide range of U.S. Latinx literature in various genres and various ethnic, geographical and historical contexts. Course Information: Same as ENGL 267. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Creative Arts course*.

LALS 268. History of Central America. 3 hours.
The human and territorial characteristics of Central America, including facets of Spanish colonialism and the history of revolutions and modernity in the region, including a history of U.S. - Central American relations. Course Information: Same as HIST 269. Prerequisite(s): Completion of the English composition requirement. *Past course*.

LALS 269. Latin American Environmental Studies. 3 hours.
Overview of environmental challenges in Latin America caused by mining, export agriculture, petroleum exploration, urbanization, and climate change. Social and political responses to environmental change and conservation regulation. Course Information: Recommended background: EAES 101. *Individual and Society course, and World Cultures course*.

LALS 270. Ethnography of Meso-America. 3 hours.
Survey of the contemporary indigenous cultures of Meso-America, studied against their pre-conquest history and in their development since the Spanish Conquest. Course Information: Same as ANTH 277. Prerequisite(s): ENGL 161. *Individual and Society course, and World Cultures course*.

LALS 304. Introduction to Spanish Creative Writing for Heritage Speakers. 3 hours.
Exploration of writing tools through analysis of Spanish literary texts and through creative writing exercises. Course Information: Same as SPAN 304. This course may not be used to satisfy the prerequisite for ENGL 490, ENGL 491, or ENGL 492. Extensive computer use required. This course is intended for heritage students, but may be taken by students demonstrating near-native writing proficiency with the permission of the course instructor. Prerequisite(s): Grade of C or better in SPAN 204; or consent of the instructor. Recommended background: Grade of C or better in SPAN 210.

LALS 348. Seminar: Political Problems of Developing Societies. 3 hours.
Selected aspects of the politics and countries of Asia, Africa and Latin America. Course Information: Same as POLS 348. Prerequisite(s): POLS 200 and POLS 130; or consent of the instructor.

LALS 367. Latinx Literature. 3 hours.
Development of Latinx literature from different historical periods and diasporic communities. Analysis of political and social concerns relevant to Latinx literature and culture. Course Information: Same as ENGL 367. Previously listed as LALS 353. Recommended background: Any of LALS 101-102 or ENGL 207, 209, or 267.

LALS 380. Social Movements in Latin America. 3 hours.
The different ways in which different groups have used non-traditional means to change the social and political circumstances that have conditioned their lives. Course Information: Prerequisite(s): One course in LALS or consent of the instructor.

LALS 382. Race and Citizenship in the Americas. 3 hours.
The relationship between citizenship and racial ideologies in the Americas. Comparison of the diverse racial and social experiences of U.S. Latinos with other populations in the Americas. Course Information: Prerequisite(s): One course in LALS or consent of the instructor.

LALS 385. Latino Social Movements in the United States. 3 hours.
Social movements and public action by Latinos in the United States. Includes farmworkers organizing, unionization efforts, nationalist movements, feminism, struggles, and community debates. Course Information: Prerequisite(s): LALS 102.

LALS 391. Seminar in Latin American Studies. 3 hours.
Diverse aspects of modern Latin American society, politics, culture and economics from the wars of independence to contemporary times. Course Information: May be repeated to a maximum of 6 hours. Recommended background: LALS 101.

LALS 395. Seminar in Latino Studies. 3 hours.
Diverse aspects of the U.S. Latino experience at more theoretical and advanced levels. Course Information: May be repeated to a maximum of 6 hours. Recommended background: LALS 102.

LALS 403. Interdisciplinary Research Methods in Latin American and Latino Studies. 3 or 4 hours.
Examination of research methods in social sciences and current trends in Latin American and Latino Studies. Emphasis on critical analysis of research methods, use of analytical approaches for particular kinds of investigation, and hands on application to case studies. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): LALS 301 and LALS 302; or graduate standing. Recommended Background: Credit or concurrent registration in LALS 501.

LALS 408. Global Black Feminisms. 3 or 4 hours.
Examines transnational, Third Wave and Third World Black feminist approaches to global politics from historical and contemporary perspectives with a particular emphasis on the late 20th century and the beginning of the 21st century. Course Information: Same as BLST 408 and GWS 408. 3 undergraduate hours. 4 graduate hours. Recommended background: Undergraduate students: at least three credit hours in BLST or GWS or LALS.

LALS 409. Ancient Maya Writing, Language and Culture. 3 or 4 hours.
Recent trends in Maya epigraphy, information gained from Maya hieroglyphs, linguistics, and historical ethnographies are applied to anthropological analyses of past lifeways. Course Information: Same as ANTH 409. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above; and consent of the instructor.

LALS 423. Andean Prehistory. 3 or 4 hours.
An overview of the cultural evolution of the Andean region from the arrival of the first inhabitants to the development of the Inca empire. Course Information: Same as ANTH 423. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ANTH 269 or consent of the instructor.

LALS 425. Urban Field Research in Latino/a Communities. 3 or 4 hours.
Field work in Chicago Latino/a neighborhoods. Observing, taking field notes, analyzing issues of workforce, homelessness, street vending, affordable housing, community organizing, educational infrastructure, environmental degradation, gentrification. Course Information: 3 undergraduate hours. 4 graduate hours. Field work required. Prerequisite(s): LALS 403.

LALS 427. Studies in Language Policy and Cultural Identity. 3 or 4 hours.
Examines the development, articulation, and effects of language policies on identity formation and culture. Focuses on the United States and the Spanish language, although other countries and languages are included. Course Information: Same as SPAN 427. 3 undergraduate hours. 4 graduate hours. Taught in English. Prerequisite(s): Junior standing or above.

LALS 433. Latin American Migration to the U.S. 3 or 4 hours.
Latin American migration to the U.S. International migration theories, family remittances, transnational linkages, dual citizenship, and past and current U.S. immigration policy debates. Course Information: Same as SOC 433. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): One course in LALS or SOC; or consent of the instructor.

LALS 461. Topics in Latin American History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 461. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history, Latin American and Latino studies, or consent of the instructor.

LALS 465. Asian Diasporas in Latin America. 3 or 4 hours.
Examines Asian migration to Latin America, covering topics such as labor and economic systems, transnational networks, community building, racism, identity, and serial migration. Course Information: Same as GLAS 465 and HIST 465. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in GLAS 100 or Grade of C or better in HIST 161. Recommended background: HIST 264.

LAS 320. Introduction to Legal Analysis. 2 hours.
Introduction to legal analysis and effective legal writing through the preparation of a legal memorandum, judicial opinion, and other written assignments. Course Information: Meets at Chicago-Kent College of Law. Prerequisite(s): Application to the College of Liberal Arts and Sciences and Chicago-Kent College of Law Accelerated Degree Program or junior standing; 3.5 grade point average; English 160 and 161 with grade of C or better; and consent of instructor.

LAS 490. International Student Exchange Program. 0-18 hours.
The Student Exchange Program enables the reciprocal exchange of students between UIC and colleges or universities in other countries. There are a variety of programs tailored to meet the needs of both graduate and undergraduate students. Course Information: May be repeated for a maximum of 36 hours per academic year or for a total of 48 hours, all of which must be earned within one calendar year. Determination of the number of credits to be granted is part of the proposal approval process. Students from other UIC Colleges and Schools are eligible for the program. For more information, visit the Study Abroad Office website at https://studyabroad.uic.edu/. Prerequisite(s): Approval of the student's major department, the LAS College office, and the Study Abroad Office. Consent of the Instructor.

LAS 492. Topics in Sustainability. 3 or 4 hours.
An interdisciplinary approach to current issues in sustainability and transportation. Topics may vary, but will include climate change/ environmental, technological, societal and economic impacts, and programs/policies for sustainability. Course Information: May be repeated if topics vary. Field work required.

LAS 493. Topics in Energy. 3 or 4 hours.
An interdisciplinary approach to issues in energy. Topics will include energy storage, electricity systems, energy technology, economics of energy, life cycle analysis, climate and environmental impact, and energy and environmental policy. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary.

LAS 494. Topics in Cultural Studies. 3 or 4 hours.
An interdisciplinary approach to a current cultural debate. Topics will vary. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Taught at the Field Museum.

LAS 495. The Newberry Library Undergraduate Seminar. 6 hours.
Seminar with a topic related to the holdings of the Newberry Library. Classes held in Newberry Library. Topics vary. Course Information: May be repeated if topics vary. Previously listed as LAS 395. Students are required to conduct research at the Newberry Library beyond designated class hours. Pre-tour of the Newberry is recommended. Prerequisite(s): Consent of UIC's Newberry Library seminar coordinator.

Library and Information Science (LIB)

Courses

LIB 399. Research Experience in Library and Information Science. 1-3 hours.
Research experience in Library and Information Science under the guidance of a faculty member who will act as research supervisor. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Application of credit toward the degree is contingent upon the approval of the student's college and/or department. Prerequisite(s): Consent of the instructor.

Linguistics (LING)

Courses

LING 150. Introduction to the Study of Language. 3 hours.
The nature of human language, including analysis of structure and use in social context. Course Information: May be offered in a traditional, blended, or online remote format. Check the class schedule for specifics. For both the online and hybrid ("blended-online") formats, computer and internet access are required. A high-speed connection is strongly suggested. *Individual and Society course*.

LING 160. Language and Society. 3 hours.
Language and its social context: linguistic variation and diversity in the community involving bilingualism, language contact, dialects, style, class, gender, age, and change. Course Information: May be offered in a traditional, blended, or online remote format. Check the class schedule for specifics. For both the online and hybrid ("blended-online") formats, computer and internet access are required. A high-speed connection is strongly suggested. Recommended background: LING 150. *Individual and Society course, and US Society course*.

LING 170. Languages of the World. 3 hours.
A survey of the world's languages: their cultural origins, relationships, similarities, and differences. *Individual and Society course, and World Cultures course*.

LING 201. Medical Terminologies: Ancient Roots in Modern Medicine. 3 hours.
The structure and formation of technical terms used in the health sciences, based on roots and elements from Greek and Latin. Course Information: Same as CL 201.

LING 210. Introduction to Natural Language Syntax. 3 hours.
An introduction to concepts and methodologies for the syntactic analysis of natural language. Emphasis on recursive phrase structures, feature structures, and feature dependencies. Course Information: Prerequisite(s): LING 150; or consent of the instructor. Recommended Background: ENGL 200.

LING 220. Introduction to Phonetics and Phonology. 3 hours.
This introduction to concepts and methodologies for the phonetic and phonological analysis of natural language emphasizes the description and analysis of phonological patterns using feature specification and analysis of acoustic properties of speech. Course Information: Extensive computer use required. A high-speed connection, while not required, is strongly suggested. Prerequisite(s): LING 150; or consent of the instructor.

LING 230. Semantics, Pragmatics, and Discourse. 3 hours.
An introduction to the core issues in semantics, pragmatics, and discourse studies. Emphasis is on lexical semantics, meaning as conceptualization, relation between pragmatics and semantics, and relation between pragmatics and discourse structuring. Course Information: Prerequisite(s): LING 150; or consent of the instructor.

LING 459. Topics in Linguistics. 3 or 4 hours.
Topics vary. Course Information: Same as LCSL 459. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Only 6 hours may be counted towards a major or minor in the Department of Linguistics. Students may register for more than one section per term. Prerequisite(s): Consent of the instructor.

LING 480. Sociolinguistics. 3 or 4 hours.
The study of language structure and use involving socially-informed pragmatics, ethnography of communication, sociolinguistic variation and dialectology, and issues of bilingualism. Course Information: Same as ANTH 480. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): LING 405; and junior standing or above; or consent of the instructor.

LING 483. Methodology of Second Language Teaching. 3 or 4 hours.
Approaches, methods, and techniques for teaching second languages with a focus on speaking, listening, writing, reading, and on assessment and curriculum/syllabus design. Course Information: Same as LCSL 483. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above and consent of the instructor.

LING 487. Computer Assisted Language Learning. 3 or 4 hours.
An introduction to computer assisted language learning (CALL): the use of computer technology in second language reading and research. The effectiveness of CALL technology is assessed based on SLA theory and research studies. Course Information: Same as GER 487 and SPAN 487. 3 undergraduate hours. 4 graduate hours. Taught in English. Extensive computer use required. Prerequisite(s): LING 483 or CIE 483 or GER 448 or FR 448 or SPAN 448 or GER 449 or FR 449 or SPAN 449; or SPAN 502 or FR 502 or the equivalent; and senior standing or above.

LING 496. Independent Study. 1-4 hours.
Students are assigned to this course at the discretion of the department. Independent study in an area of linguisitics not normally covered by regular course offerings. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students may register in more than one section per term. A maximum of 6 hours is allowed for undergraduate students, and 8 hours of credit for graduate students. Prerequisite(s): 9 hours of linguistics and approval of the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

Literatures, Cultural Studies, and Linguistics (LCSL)

Courses

LCSL 101. CIC Course Share Foreign Language I. 4 hours.
Holding course for UIC students taking approved foreign language coursework at other institutions through the CIC CourseShare program. Course Information: May be repeated for credit. Students may register for more than one section per term. Consult with College of Liberal Arts and Sciences CIC coordinator regarding CourseShare opportunities. Prerequisite(s): Must be enrolled in the College of Liberal Arts and Sciences and meet prerequisite requirements of the offering institution and approval of the CIC CourseShare coordinator.

LCSL 102. CIC Course Share Foreign Langauge II. 4 hours.
Holding course for UIC students taking approved foreign language coursework at other institutions through the CIC CourseShare program. Course Information: May be repeated. Students may register in more than one section per term. Consult with College of Liberal Arts and Sciences CIC coordinator regarding CourseShare opportunities. Prerequisite(s): Must be enrolled in the College of Liberal Arts and Sciences and meet prerequisite requirements of the offering institution and approval of the CIC CourseShare coordinator.

LCSL 103. CIC Course Share Foreign Langauge III. 4 hours.
Holding course for UIC students taking approved foreign language coursework at other institutions through the CIC CourseShare program. Course Information: May be repeated. Students may register in more than one section per term. Consult with College of Liberal Arts and Sciences CIC coordinator regarding CourseShare opportunities. Prerequisite(s): Must be enrolled in the College of Liberal Arts and Sciences and meet prerequisite requirements of the offering institution and approval of the CIC CourseShare coordinator.

LCSL 104. CIC Course Share Foreign Langauge IV. 4 hours.
Holding course for UIC students taking approved foreign language coursework at other institutions through the CIC CourseShare program. Course Information: May be repeated. Students may register in more than one section per term. Consult with College of Liberal Arts and Sciences CIC coordinator regarding CourseShare opportunities. Prerequisite(s): Must be enrolled in the College of Liberal Arts and Sciences and meet prerequisite requirements of the offering institution and approval of the CIC CourseShare coordinator.

LCSL 207. European Cinema. 3 hours.
An overview of the major developments in European cinema from the post-World II period to the present. Course Information: Same as GER 207 and SPAN 207. Prerequisite(s): ENGL 160. *Creative Arts course, and World Cultures course*.

LCSL 250. Introduction to Comparative Cultural Studies. 3 hours.
Debates in comparative cultural studies, global arts and world literatures. Emphasis on diverse worldviews across Europe, Latin America, Francophone cultures. Competencies developed: critical thinking, equity & inclusion, intercultural communication. Course Information: Prerequisite(s): Completion of the English Composition requirement. *Creative Arts course, and World Cultures course*.

LCSL 296. Independent Study. 1-3 hours.
Independent reading or research under the supervision of a faculty member. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): Sophomore standing or above; and consent of the instructor.

LCSL 391. Internship in Global Studies. 3 hours.
Professional field experience with an international agency or organization in the private or public sector.

LCSL 392. Internship in Global Engagement and Public Humanities. 0-3 hours.
Professional field experience with an international agency or organization in the private or public sector. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Completion of one year of a basic language program and approval of a pre-arranged internship by the School of Literatures, Cultural Studies and Linguistics. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

MGMT 360. Strategic Analysis and Reporting. 3 hours.
Examines types and sources of information used by managers and investors to make strategic decisions; provides working knowledge of tools used to effectively manage, analyze and report strategic information, including Excel, Tableau, and PowerPoint. Course Information: Same as ENTR 360. Extensive computer use required. Prerequisite(s): IDS 200 and IDS 270 and ACTG 210 and BA 200 and MGMT 340 and MGMT 355; or consent of the instructor.

MGMT 445. Organizational Theory. 3 hours.
Emphasis on organizational theories and models to analyze and improve functioning and performance of organizations. Structure, technology, environmental adaptation, and managerial control systems. Course Information: Prerequisite(s): MGMT 340 and junior standing.

MGMT 447. Organizations. 3 or 4 hours.
Characteristics of business, government, and not-for-profit organizations; approaches used to study organizations; theoretical and empirical analysis of organizational processes. Course Information: Same as SOC 447. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 241 or MGMT 340 or SOC 244; and junior standing or above and an additional 200 or 300-level elective in sociology; or consent of the instructor.

MGMT 452. Organizational Behavior. 3 hours.
Emphasis on understanding and managing people at work. Analysis of individual, group and organization topics including leadership, motivation, attitudes, group dynamics, and organizational culture. Course Information: Prerequisite(s): MGMT 340; or consent of the instructor.

MGMT 453. Human Resource Management. 3 hours.
Examination of the activities involved in attracting, retaining, and motivating employees. Topics include planning, selection, compensation, performance appraisal, succession, and legal issues. Course Information: Prerequisite(s): MGMT 340; or consent of the instructor.

MGMT 454. Labor-Management Relations. 3 hours.
Labor unions and their impact on business firms and society. Labor-management relationships and collective bargaining practices. Public policy, union structure and bargaining theory. Course Information: Prerequisite(s): MGMT 340 and MGMT 350 and junior standing.

MGMT 455. Talent Management and Global Human Resources. 3 hours.
Examination of topics related to performance appraisal: motivating, retaining, and separating employees; compensation and benefits; managing human resources in a global economy. Prerequisite(s): MGMT 340 and credit or concurrent registration in MGMT 453.

MGMT 460. Managing Globally. 3 hours.
Understanding the opportunities and problems that confront managers as they lead a company through complex global economic, political, legal, technological and cultural environment. Focus on people, values and culture. Course Information: Prerequisite(s): MGMT 340 and MGMT 350.

MGMT 463. Negotiation and Conflict Resolution. 3 hours.
Strategies and techniques for successful agreement negotiation and business conflict resolution. Includes applications to classic situations such as collective bargaining, interpersonal relations, and stakeholder concerns. Course Information: Prerequisite(s): MGMT 340.

MGMT 464. Employment Recruitment and Selection. 3 hours.
The design and application of internal and external recruitment, selection and retention systems for the effective management of human capital by line managers and HR professionals. Prerequisite(s): MGMT 452 and MGMT 453.

MGMT 465. Compensation and Reward Systems. 3 hours.
Examination of compensation and reward systems designed to enhance employee motivation and performance. Topics include pay structure design, incentive systems, and benefits. Course Information: Prerequisite(s): MGMT 452 and MGMT 455; or consent of the instructor.

MGMT 466. Managerial Effectiveness Through Diversity. 3 or 4 hours.
Management of diverse work forces. Discrimination, affirmative action, career development, socialization and social change policies; historical, psychological, sociological, legal and managerial viewpoints. Course Information: Prerequisite(s): MGMT 340.

MGMT 467. Impact of Technological Change. 3 hours.
Examines the impact of technological change upon the business environment and the managerial process. Emphasis on alternative futures and the planning necessary to attain desired ends. Course Information: Prerequisite(s): MGMT 340 and MGMT 350.

MGMT 470. Training and Development. 3 hours.
Examination of the science, methods, and practice of personnel training and development. Topics include needs determination, training design and delivery, training assessments. Course Information: Prerequisite(s): MGMT 452 and MGMT 453; or consent of the instructor. Recommended background: Experience as an intern or practitioner in an area of human resource management or organizational development.

MGMT 471. Organizational Design. 3 hours.
Covers how a firm's people, resources, processes, and culture are arrayed and deployed to help implement firm strategies, pursue key objectives, and respond to environmental demands. Course Information: Prerequisite(s): MGMT 340 and MGMT 452, or consent of the instructor.

MGMT 475. Leadership Theories and Personal Leadership Skills Development. 3 hours.
Overview of leadership theories, assessment of leadership strengths and weaknesses, and leadership skills training. Course Information: Prerequisite(s): MGMT 340.

MGMT 480. Transportation Systems Management. 3 hours.
Provides a fundamental knowledge of problems and practices encountered in the management of transportation systems. Includes impact of public policy; capital facilities; industry structure; costs; operations pricing and environmental relationships. Course Information: Prerequisite(s): MGMT 340 and MGMT 350, or consent of the instructor.

MGMT 481. Managerial Logistics. 3 hours.
Management of activities governing flow of materials and products through stages of production and distribution. Includes design of logistical systems and use of mathematical techniques. Course Information: Prerequisite(s): MGMT 340; and MATH 165 or MATH 180; or consent of the instructor.

MGMT 485. Corporate Sustainability and Responsibility. 3 hours.
Theories and techniques for designing and implementing corporate sustainability and responsibility programs to create private and social value. Course Information: Prerequisite(s): MGMT 340 and MGMT 350.

MGMT 486. Managerial Consulting. 3 hours.
Development of knowledge and critical skills necessary to operate effectively as internal or external management consultants through an applied experience with an organization. Course Information: Field work required. Prerequisite(s): MGMT 452 and MGMT 453; or consent of the instructor.

MKTG 470. Branding. 3 hours.
Examination of how firms can connect with consumers to build, measure, leverage and protect strong brands. Course Information: Prerequisite(s): MKTG 360. Recommended background: MKTG 462.

MKTG 471. Services Marketing. 3 hours.
An exploration of the special challenges of services marketing, including analyzing and developing solutions for new services, services quality, design and delivery of services, and services recovery. Course Information: Prerequisite(s): MKTG 360.

MKTG 473. Introduction to Sales. 3 hours.
Detailed exploration of the steps in a standard selling process; explores buyers motivations; sales presentations skills and sales technologies. Course Information: Prerequisite(s): MKTG 360 or consent of the instructor.

MKTG 474. Advertising. 3 hours.
Strategy, planning, creation, distribution, evaluation and management of traditional and digital advertising campaigns. Course Information: Prerequisite(s): MKTG 461 or consent of the instructor.

MKTG 475. Product Management. 3 hours.
Development and review of new and existing products during their life cycles; the evolution of products and services from a creative idea to their withdrawal from the market. Course Information: Prerequisite(s): MKTG 462 or consent of the instructor.

MKTG 476. Business-to-Business (B2B) Marketing. 3 hours.
Unique concepts and strategies applied when businesses market to other organizations and institutions. Derived demand, systems selling, bid pricing, national account programs, and using distributors. Course Information: Prerequisite(s): MKTG 360.

MKTG 477. Interdisciplinary Research and Development I. 3 hours.
Multidisciplinary teams (w/students typically from Design, Engineering, Public Health, etc.) research and develop solutions related to business, social, or healthcare-related topics. Emphasis: problem solving, collaboration, sponsor engagement, and prototyping. Course Information: Students complete a product development project in conjunction with students enrolled in ME 444 and AD 420. Prerequisite(s): MKTG 360; and consent of the instructor. This is the first half of a year-long course. Students will be required to take MKTG 478 in the following semester.

MKTG 478. Interdisciplinary Research and Development II. 3 hours.
Multidisciplinary teams (w/students typically from Design, Engineering, Public Health, etc.) research and develop solutions related to business, social, or healthcare-related topics. Emphasis: problem solving, collaboration, sponsor engagement, and prototyping. Course Information: Students complete a product development project in conjunction with students enrolled in ME 445 and AD 421. Prerequisite(s): MKTG 360 and MKTG 477. This is the second half of a year-long course. Students will be required to take MKTG 477 in the previous semester.

MKTG 479. Digital and Social Media Marketing. 3 hours.
Creation, evaluation, and implementation of effective digital and social media marketing strategies and tactics. Course Information: Extensive computer use required. Prerequisite(s): MKTG 360. Recommended background: BA 200 and MKTG 461 and general computer skills.

MKTG 480. Approaches to Creativity. 3 hours.
Students will be taught, and have an opportunity to use, the dominant contemporary creative ideation methods used in business, particularly in regards to new products/services and advertisements. Course Information: Prerequisite(s): MKTG 360.

MKTG 481. Advanced Sales. 3 hours.
Focuses on key account management. Course Information: Prerequisite(s): MKTG 360 and MKTG 473.

MKTG 482. Innovation Management. 3 hours.
Introduction to a human-centered approach to designing products, services and business systems using a Design Thinking methodology. Course Information: Prerequisite(s): MKTG 360 and MKTG 462.

MKTG 485. Customer Experience Management. 3 hours.
Applying customer experience concepts, tools, and research methods in order to understand and manage customer-centric business models across industries. Course Information: Prerequisite(s): MKTG 360.

MKTG 494. Special Topics in Marketing. 1-4 hours.
Intensive study of selected problems. Reading assignments from scholarly and professional journals; emphasis on covering relatively few areas in great depth. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Business administration students must have declared a major.

MKTG 499. Research Experience. 1-3 hours.
Research experience under the supervision of a faculty member. The faculty member and student will determine the research project. Each student must submit a written report and each student must participate at a research event on campus. Course Information: May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Major in marketing. Consent of the head of the department and the instructor required.

Master of Engineering (MENG)

Courses

MENG 400. Engineering Law. 3 or 4 hours.
Overview of the legal system. Legal principles affecting the engineering profession. Professional ethics in engineering. Intellectual property law. Basic contract and tort principles. Environmental law. Course Information: Same as ENGR 400. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

MENG 401. Engineering Management. 3 or 4 hours.
Theory, strategy, and tactics of the use of project management including project planning, matrix management concept, and team meetings. Course Information: Same as ENGR 401. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

MENG 402. Intellectual Property Law. 3 or 4 hours.
Patent, copyright, trade secret, mask work, and cyber-squatting legal and procedural principles; protection for novel software, biotech inventions, and business methods; and trademark protection for domain names. Course Information: Same as ENGR 402. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

MENG 403. Reliability Engineering. 3 or 4 hours.
Probability overview; statistics overview; system reliability modeling and prediction-static methods; system reliability modeling and prediction-dynamic methods; maintainability and availability; reliability optimization; and risk analysis. Course Information: Same as ENGR 403. 3 undergraduate hours. 4 graduate hours. Extensive computer use required. This is an online web-based course. Prerequisite(s): Senior standing or above.

Mathematical Computer Science (MCS)

Courses

MCS 260. Introduction to Computer Science. 4 hours.
Computer literacy, number systems, concepts of operation systems, storage, files, databases, logic gates, circuits, networks, internet. Introduction to programming in Python, variables, assignments, functions, objects. Course Information: Prerequisite(s): Credit or concurrent registration in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture. *Natural World - No Lab course*.

MCS 275. Programming Tools and File Management. 4 hours.
Theory, techniques, and tools of the Python programming language, with applications to data structures, algorithms, web programming, and selected topics. Course Information: Prerequisite(s): Grade of C or better in Math 180 and grade of C or better in MCS 260; or grade of C or better in CS 107 or CS 109 or CS 111; or equivalent. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

MCS 294. Special Topics in Computer Science. 1-4 hours.
Course content is announced prior to each term in which it is given. Course Information: May be repeated. Prerequisite(s): Approval of the department.

MCS 320. Introduction to Symbolic Computation. 3 hours.
Introduction to computer algebra systems (MAPLE), symbolic computation, and the mathematical algorithms employed in such computation, with examples and applications to topics in undergraduate mathematics. Course Information: Prerequisite(s): Grade of C or better in Math 210; and Grade of C or better in: MCS 260 or CS 107 or CS 109 or CS 111 or equivalent.

MCS 360. Introduction to Data Structures. 4 hours.
Pointers and dynamic memory allocation in C/C++, recursion, stacks, queues, heaps, binary and multiway trees, graphs, hash tables. Sorting and searching algorithms. Course Information: Prerequisite(s): Grade of C or better in MCS 260 and Grade of C or better in MCS 275. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

MCS 361. Discrete Mathematics. 3 hours.
Discrete mathematical structures used in computer science: sets, functions and relations; induction, recursive definitions and relations, methods of proof, quantifiers; counting; graphs and trees; algorithms. Course Information: Previously listed as MCS 261. Prerequisite(s): Grade of C or better in MATH 215; or grade of C or better in CS 107 or CS 109 or CS 111; or equivalent.

MCS 394. Special Topics in Computer Science. 2-4 hours.
Course content is announced prior to each term in which it is given. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the department.

MCS 401. Computer Algorithms I. 3 or 4 hours.
Design and analysis of computer algorithms. Divide-and-conquer, dynamic programming, greedy method, backtracking. Algorithms for sorting, searching, graph computations, pattern matching, NP-complete problems. Course Information: Same as CS 401. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MCS 360; or Grade of C or better in CS 251.

MCS 411. Compiler Design. 3 or 4 hours.
Language translation: lexical analysis, parsing schemes, symbol table management, syntax and semantic error detection, and code generation. Development of fully-functional compiler. Course Information: Same as CS 473. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in CS 301 or Grade of C or better in MCS 441; and Grade of C or better in CS 251 or Grade of C or better in MCS 360; and Grade of C or better in CS 261.

MCS 415. Programming Language Design. 3 or 4 hours.
Definition, design, and implementation of programming languages. Syntactic and semantic description; variable bindings, control and data structures, parsing, code generation, optimization; exception handling; data abstraction. Course Information: Same as CS 476. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): MCS 360; or CS 341.

MCS 421. Combinatorics. 3 or 4 hours.
The pigeonhole principle, permutations and combinations, binomial coefficients, inclusionexclusion principle, recurrence relations and generating functions, special counting sequences, Polya theory of counting. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 215; and Grade of C or better in MATH 310 or Grade of C or better in MATH 320; or consent of the instructor.

MCS 423. Graph Theory. 3 or 4 hours.
Basic concepts of graph theory including Eulerian and hamiltonian cycles, trees, colorings, connectivity, shortest paths, minimum spanning trees, network flows, bipartite matching, planar graphs. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 215; and Grade of C or better in MATH 310 or Grade of C or better in MATH 320; or consent of the instructor.

MCS 425. Codes and Cryptography. 3 or 4 hours.
Mathematics of communications theory, basic information theory necessary to understand both coding theory and cryptography, basic ideas and highlights for both coding theory and cryptography, including public-key cryptosystems. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 215; and Grade of C or better in MATH 310 or Grade of C or better in MATH 320; or consent of the instructor.

MCS 441. Theory of Computation I. 3 or 4 hours.
Introduction to formal languages; relations between grammars and automata; elements of the theory of computable functions. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): MATH 215.

MCS 451. Object-Oriented Programming in C++. 3 or 4 hours.
C++ as an object-oriented language, classes and member functions, access control, class scope, constructors, destructors, overloading, conversions, streams, derived classes, polymorphism through virtual functions, templates, class libraries. Course Information: 3 undergraduate hours. 4 graduate hours. Credit is not given for MCS 451 if the student has credit for CS 474. Extensive computer use required. Prerequisite(s): Grade of C or better in MCS 360 or the equivalent or consent of the instructor.

MCS 471. Numerical Analysis. 3 or 4 hours.
Introduction to numerical analysis; floating point arithmetic, computational linear algebra, iterative solution to nonlinear equations, interpolation, numerical integration, numerical solution of ODEs, computer subroutine packages. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MCS 260; or grade of C or better in CS 107 or CS 109 or CS 111; or consent of instructor.

MATH 122. Emerging Scholars Workshop for Precalculus Mathematics. 1 hour.
Intensive math workshop for students enrolled in MATH 121. Students work together in groups to solve challenging problems. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Admission to the Emerging Scholars Program. Must enroll concurrently in MATH 121.

MATH 125. Elementary Linear Algebra. 5 hours.
Introduction to systems of linear equations, matrices and vector spaces, with emphasis on business applications. Course Information: Credit is not given for MATH 125 if the student has credit in MATH 160. Prerequisite(s): Appropriate score on the department placement test; or Grade S in Math 090; or Grade of C or better in MATH 110; or equivalent. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Natural World - No Lab course*.

MATH 140. Arithmetic and Algebraic Structures. 4 hours.
Problem solving; algebraic thinking; number systems; numeration; number theory; mathematical operations over natural, integer, and rational numbers; and proportional reasoning. Course Information: Prerequisite(s): Grade of S in Math 090 or appropriate score on the department placement test.

MATH 141. Algebraic and Geometric Structures. 4 hours.
Area, perimeter, volume, surface area of plane and solid figures; integers, real and rational numbers; trigonometry and extended solution of general polygons; probability. Full purpose calculators used. Course Information: Designed for students in the B.A. in Elementary Education program. Prerequisite(s): Grade of C or better in MATH 140.

MATH 160. Finite Mathematics for Business. 5 hours.
Introduction to probability, statistics, and matrices, with emphasis on business applications. Course Information: Credit is not given for MATH 160 if the student has credit in MATH 125. Prerequisite(s): Appropriate score on the department placement test; or Grade S in Math 090; or Grade of C or better in MATH 110; or equivalent. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Natural World - No Lab course*.

MATH 165. Calculus for Business. 5 hours.
Introduction to differential and integral calculus of algebraic, exponential and logarithmic functions and techniques of partial derivatives and optimization. Emphasis on business applications. Course Information: Prior credit for MATH 170 or MATH 180 will be lost with subsequent completion of MATH 165. Prerequisite(s): Grade of C or better in MATH 110; or appropriate score on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Natural World - No Lab course*.

MATH 170. Calculus for the Life Sciences. 4 hours.
Introduction to calculus with applications to the life sciences, mathematical modeling, differentiation, integration and applications. Course Information: Prior credit in MATH 165 or MATH 180 will be lost with subsequent completion of MATH 170. Prerequisite(s): Grade of C or better in Math 110 or appropriate score on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Natural World - No Lab course*.

MATH 178. Preparation for Calculus. 1 hour.
Asynchronous online supplement for some students in Math 180. Uses adaptive individualized assessment and learning to refresh and fill gaps in background knowledge. By invitation only. Course Information: Extensive computer use required. Students eligible to enroll will be contacted by the department. Prerequisite(s): Grade of C or better in MATH 121; or appropriate score on the department placement test; and approval of the department. Corequisites: Requires concurrent registration in MATH 180.

MATH 179. Emerging Scholars Workshop for Calculus I. 1 hour.
Intensive math workshop for students enrolled in MATH 180. Students work together in groups to solve challenging problems. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Admission to the Emerging Scholars Program. Must enroll concurrently in MATH 180.

MATH 180. Calculus I. 4 hours.
Differentiation, curve sketching, maximum-minimum problems, related rates, mean-value theorem, antiderivative, Riemann integral, logarithm, and exponential functions. Course Information: Prior credit in MATH 165 or MATH 170 will be lost with subsequent completion of MATH 180. Prerequisite(s): Grade of C or better in MATH 121 or appropriate performance on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Natural World - No Lab course*.

MATH 181. Calculus II. 4 hours.
Techniques of integration, arc length, solids of revolution, applications, polar coordinates, parametric equations, infinite sequences and series, power series. Course Information: Prerequisite(s): Grade of C or better in MATH 180. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Natural World - No Lab course*.

MATH 182. Emerging Scholars Workshop for Calculus II. 1 hour.
Intensive math workshop for students enrolled in MATH 181. Students work together in groups to solve challenging problems. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Admission to the Emerging Scholars Program. Must enroll concurrently in MATH 181.

MATH 194. Special Topics in Mathematics. 1-4 hours.
Course content is announced prior to each term in which it is given. Course Information: May be repeated. Prerequisite(s): Approval of the department.

MATH 210. Calculus III. 3 hours.
Vectors in space, functions of several variables, partial differential and optimization, multiple integrals, vector fields, Green's Theorem, Stokes Theorem. Course Information: Prerequisite(s): Grade of C or better in MATH 181. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Natural World - No Lab course*.

MATH 211. Emerging Scholars Workshop for Calculus III. 1 hour.
Intensive math workshop for students enrolled in MATH 210. Students work together in groups to solve challenging problems. Course Information: Satisfactory/Unsatisfactory grading only. Prerequisite(s): Admission to the Emerging Scholars Program. Must enroll concurrently in MATH 210.

MATH 215. Introduction to Advanced Mathematics. 3 hours.
Introduction to methods of proofs used in different fields in mathematics. Course Information: Prerequisite(s): Grade of C or better in MATH 181 and approval of the department.

MATH 446. Introduction to Topology II. 3 or 4 hours.
Topics in topology chosen from the following: advanced point set topology, piecewise linear topology, fundamental group and knots, differential topology, applications to physics and biology. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 445.

MATH 480. Applied Differential Equations. 3 or 4 hours.
Linear first-order systems. Numerical methods. Nonlinear differential equations and stability. Introduction to partial differential equations. Sturm-Liouville theory. Boundary value problems and Green's functions. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 220.

MATH 481. Applied Partial Differential Equations. 3 or 4 hours.
Initial value and boundary value problems for second order linear equations. Eiqenfunction expansions and Sturm-Liouville theory. Green's functions. Fourier transform. Characteristics. Laplace transform. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 220.

MATH 494. Special Topics in Mathematics. 3 or 4 hours.
Course content is announced prior to each term in which it is given. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the department.

MATH 496. Independent Study. 1-4 hours.
Reading course supervised by a faculty member. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the instructor and the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

Mathematics Teaching (MTHT)

Courses

MTHT 400. Methods of Teaching Secondary Mathematics I. 3 or 4 hours.
Teacher preparation with a focus on mathematics education research including analysis of students' thinking using records of practice in the form of case studies both on video and paper. Course Information: 3 undergraduate hours. 4 graduate hours. To be taken in the year prior to student teaching. Prerequisite(s): Grade of C or better in MATH 215; or consent of the instructor Enrollment in B.S. or M.S. in the Teaching of Mathematics program in Secondary Mathematics Education, and a 2.50 grade point average in mathematics courses at the level of calculus or above. Student must be admitted to candidacy.

MTHT 401. Methods of Teaching Secondary Mathematics II. 3 or 4 hours.
Secondary teacher preparation with focus on practice of teaching and responsibilities of instructional leader based on the Professional Teaching Standards, current research, and best practice. Course Information: 3 undergraduate hours. 4 graduate hours. 20 hours observation in secondary mathematics classes. To be taken in year prior to student teaching. Prerequisite(s): Grade of C or better in MATH 210; Enrollment in the B.S. or M.S. in the Teaching of Mathematics program in Secondary Mathematics Education; and a 2.50 grade point average in mathematics courses at the level of calculus or above. Student must be admitted to candidacy.

MTHT 411. Advanced Euclidean Geometry. 3 or 4 hours.
Axioms for Euclidean geometry are developed based upon reflections. Further concepts in Euclidean geometry which arise from these axioms are explored. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 215.

MTHT 420. Computers in Secondary School Mathematics. 3 or 4 hours.
An overview of techniques, topics and tools for teaching secondary level mathematics using computers. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 210.

MTHT 430. Real Analysis for Teachers I. 3 or 4 hours.
Major topics include real number system with emphasis on the completeness axiom, limits of sequences and functions, derivatives, Riemmann integrals and the Fundamental Theorem of Calculus. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in MATH 210 and Grade of C or better in MATH 215.

MTHT 435. Abstract Algebra. 3 or 4 hours.
Sets, properties of integers, groups, rings, fields. Focus on concepts applicable to high school teaching. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): MATH 210 and MATH 215.

MTHT 438. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): 2.50 grade point average in mathematics courses at the level of calculus or above, successful completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

MTHT 439. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Credit or concurrent registration in MTHT 438; and approval of the department and a 2.50 grade point average in mathematics courses at the level of calculus or above and successful completion of 100 clock hours of pre-student teaching field experiences. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

MTHT 450. Concepts and Methods in Elementary and Middle School Mathematics I. 3 or 4 hours.
Emphasizes the methods of teaching elementary and middle school mathematics in the context of investigating patterns, functions, number theory, and proportional reasoning. Course Information: 3 undergraduate hours. 4 graduate hours. For elementary and middle school teachers.

MTHT 465. Teaching Algebra for Understanding. 3 or 4 hours.
Manipulatives and other representations of mathematical concepts used for teaching algebra to middle grade students. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Admission to the M.S. in the Teaching of Mathematics program (Option for Elementary School Teachers) or consent of the instructor.

ME 320. Mechanisms and Dynamics of Machinery. 3 or 4 hours.
Kinematic analysis and synthesis of mechanisms; linkages, cams, spur gears, gear trains. Dynamic forces in machines; bearing reactions, balancing, flywheel design, friction, efficiency. Course Information: Prerequisite(s): ME 210.

ME 321. Heat Transfer. 4 hours.
Modes of heat transfer, material properties, one- and two-dimensional conduction. Extended surfaces. Forced and free convection. Heat exchangers. Radiation. Shape factors. Laboratories in conduction, convection, and radiation. Course Information: Prerequisite(s): ME 205 and credit or concurrent enrollment in ME 211. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ME 325. Intermediate Thermodynamics. 3 hours.
In-depth study of thermodynamic principles, thermodynamics of state, vapor and gas power cycles, refrigeration cycles, thermodynamics of nonreacting and reacting mixtures, internal combustion engines, and thermodynamics of equilibrium. Course Information: Prerequisite(s): ME 205 and credit or concurrent registration in ME 211.

ME 328. Numerical Methods in Mechanical Engineering. 3 hours.
Introduction to numerical solution methods for problems in mechanical engineering. Example problems include heat transfer, fluid mechanics, thermodynamics, mechanical vibrations, dynamics, stress analysis, and other related problems. Course Information: Previously listed as ME 428. Extensive computer use required. Prerequisite(s): CS 109 and Credit or concurrent registration in MATH 310. Open only to juniors and seniors.

ME 341. Experimental Methods in Mechanical Engineering. 3 hours.
Introduction to the theory and practice of experimental methods, measurement techniques, instrumentation, data acquisition and data analysis in mechanical and thermal-fluid systems. Experiments and reports. Course Information: Prerequisite(s):CME 203; and ME 211. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

ME 347. Engineering Design and Graphics with Computer-Aided Design and Simulation. 3 hours.
Conventional and computer-assisted methods in design. Geometric manipulation. Computer-aided modeling with curves, surfaces, and solids. Design with finite-element analysis. Course Information: Previously listed as ME 447. Extensive computer use required. Prerequisite(s): MATH 220 and CME 203 and ME 250. Recommended background: Credit in MATH 310. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

ME 348. Artificial Intelligence and Data Mining for Engineering Applications. 3 hours.
Provides a comprehensive understanding of artificial intelligence (AI), data analytics, and ethics in AI in the context of Operations and Industrial Engineering Applications. Course Information: Same as IE 348. Extensive computer use required. Prerequisite(s): IE 342.

ME 370. Mechanical Engineering Design. 3 hours.
Mechanical design concepts, failure prevention under static and variable loading, application of engineering mechanics and materials to analysis, selection and design of mechanical elements such as shafts, fasteners, springs, bearings, and gears. Course Information: Prerequisite(s): CME 203 and ME 250. Recommended background: ME 230.

ME 380. Manufacturing Process Principles. 3 hours.
Introduction to basic manufacturing processes such as casting, bulk deformation, sheet metal forming, metal cutting. Interaction between materials, design and manufacturing method. Economics of manufacturing. Course Information: Same as IE 380. Prerequisite(s): CME 203.

ME 391. Mechanical Engineering Practicum. 1 hour.
Provides students with the opportunity to apply the skills and knowledge gained in previous engineering courses within a professional, working environment. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. A maximum of 1 hour awarded toward degree requirements. Prerequisite(s): Approval of the Department.

ME 392. Undergraduate Research. 1-3 hours.
Research under close supervision of a faculty member. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Consent of the head of the department.

ME 394. Senior Capstone Design. 4 hours.
Systematic approach to the design process. Creative problem solving. Design methodology and engineering principles applied to open-ended design problems with inherent breadth and innovation. Course Information: Same as IE 394. Credit is not given for ME 394 if the student has credit for ME 396 or IE 396. Prerequisite(s): Senior standing or above; or approval of the department.

ME 396. Senior Design I. 3 hours.
Systematic approach to the design process. Creative problem solving. Design methodology and engineering principles applied to open-ended design problems with inherent breadth and innovation. Course Information: Same as IE 396. Credit is not given for ME 396 if the student has credit in IE 444 or ME 444 or IE 445 or ME 445. Prerequisite(s): ME 347 and IE 201; or IE 345 and IE 201. Open only to seniors. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ME 397. Senior Design II. 2 or 3 hours.
The systematic approach to the design process; creative problem solving; design methodology and engineering principles learned in ME 396 are applied to complete the Senior Design project. Course Information: Same as IE 397. Credit is not given for ME 397 if the student has credit for IE 444 or ME 444 or IE 445 or ME 445. Prerequisite(s): ME 396; or IE 396; and senior standing or above. Requires concurrent registration in ME 499 or IE 499.

ME 401. Applied Stress Analysis I. 3 or 4 hours.
Complex bending and torsion, curved flexural members, energy methods in design, theories of failure. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CME 203.

ME 408. Intermediate Vibration Theory. 3 or 4 hours.
Free and forced vibrations of multi-degree of freedom linear systems. Lagrangian dynamics, matrix, approximate and numerical methods. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ME 308.

ME 409. Advanced Kinematics I. 3 or 4 hours.
Kinematic synthesis of planar linkages. Higher-order, precision point and approximate synthesis. Unified treatment of position, function, and path-angle problems. Consideration of branching and rotatability. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ME 320.

ME 441. Optical Methods in Mechanical Engineering. 0-4 hours.
Optical measurement techniques in solid mechanics and thermal-fluid engineering. Fundamentals of optics. Use of holography, interferometry, LDV, lasers, light scattering, diffraction, and other relevant techniques. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Senior standing or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ME 444. Interdisciplinary Product Development I. 3 or 4 hours.
Systematic approach to the design process. Creative problem solving. Cross-functional teams (w/students from other departments/colleges) research and apply new product concepts to open-ended design problems. Course Information: Same as IE 444. 3 undergraduate hours. 4 graduate hours. Credit for ME 444 is not given if the student has credit in ME 396 or ME 397 or IE 396 or IE 397. Year-long (with IE/ME 445) project course. Prerequisite(s): ME 347 and IE 201; or IE 345 and IE 201; and senior standing or above; and consent of the instructor.

ME 445. Interdisciplinary Product Development 2. 4 hours.
Systematic approach to the design process. Creative problem solving. Cross-functional teams (w/students from other departments/colleges) research and apply new product concepts to open-ended design problems. Focus on solutions to the opportunities. Course Information: Same as IE 445. Credit is not given for ME 445 if the student has credit in ME 396 or ME 397 or IE 396 or IE 397.Year-long (with IE/ME 444) project course. Prerequisite(s): IE 444 or ME 444; and senior standing or above; and consent of the instructor.

ME 449. Microdevices and Micromachining Technology. 0-5 hours.
Microfabrication techniques for microsensors, microstructures, and microdevices. Selected examples of physical/chemical sensors and actuators. Simulation experiments. Course Information: Same as ECE 449. 4 undergraduate hours. 5 graduate hours. Laboratory. Prerequisite(s): ECE 347; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

ME 450. Air Pollution Engineering. 3 or 4 hours.
Environmental aspects of combustion processes, pollutant formation. Control of pollutants and particulates. Air quality control. Fundamentals of combustion. Course Information: Same as CHE 450. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ME 321 or consent of the instructor.

ME 464. Virtual Automation. 0-4 hours.
Fundamentals of manufacturing and automation modeling using CAD/CAM and computer-integrated manufacturing methods; concepts of virtual manufacturing; industrial robots and automated factory models within virtual environments. Course Information: Same as IE 464. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 107 or CS 108. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion, and one Laboratory.

ME 468. Virtual Manufacturing. 3 or 4 hours.
Virtual reality applications in manufacturing systems design, manufacturing applications of networked virtual reality, virtual reality modeling of occupational safety engineering. Course Information: Same as IE 468. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CS 107 or CS 108.

ME 481. Additive Manufacturing Process. 3 or 4 hours.
Covers aspects of additive manufacturing. The types that are covered are generic process, design, vat photopolymerization, extrusion based, jetting, direct writing, 3D bio-printing, powder bed fusion, slicing, and data representation. Course Information: Same as IE 481. 3 undergraduate hours. 4 graduate hours. Recommended background: Manufacturing Processes.

ME 494. Special Topics in Mechanical Engineering. 3 or 4 hours.
Particular topics vary from term to term depending on the interests of the students and the specialties of the instructor. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Prerequisite(s): Consent of the instructor.

ME 496. Undergraduate Senior Design Thesis I. 0-8 hours.
Introduction to the principles and practice of product design: specifications, evaluation of design alternatives, technical reports, and oral presentations, through independent design projects. Course Information: Same as IE 496. Credit only given to nondegree students. No graduation credit given to students enrolled in Engineering. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): Consent of the instructor.

ME 497. Undergraduate Senior Design Thesis II. 0-8 hours.
ntroduction to engineering design and research methods: design tools, product conception and development, simulation, prototyping, technical reports and presentations, literature survey and undergraduate thesis. Course Information: Same as IE 497. Credit only given to nondegree students. No graduation credit given to students enrolled in Engineering. Extensive computer use required. Field trips required at a nominal fee. Prerequisite(s): Consent of the instructor.

ME 499. Professional Development Seminar. 0 hours.
Students are provided general information about their role as UIC MIE alumni in society and the role of the University in their future careers. Students provide evaluations of their educational experience in the MIE department. Course Information: Same as IE 499. Satisfactory/Unsatisfactory grading only. Prerequisite(s): Open only to seniors; and approval of the department. Must be taken in the student's last semester of study.

Microbiology and Immunology (MIM)

Courses

MIM 322. Microbiology for Dental Students. 4 hours.
Characteristics, transmission, pathogenesis of, and immune response to microorganisms causing human oral and systemic disease. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

MIM 399. Undergraduate Laboratory Research. 1-4 hours.
Laboratory research for advanced undergraduates. Course Information: Live bacteria, viruses and/or animals used in instruction. Satisfactory/Unsatisfactory grading only. May be repeated. Application of credit toward the degree is contingent upon the approval of the student's college and/or department. Prerequisite(s): Junior standing or above and consent of the instructor.

MOVI 130. Understanding Korean History, Culture and Society through Contemporary Korean Films. 3 hours.
Exploration of contemporary Korean history and culture through film. Course Information: Same as KOR 130. Taught in English. *World Cultures course*.

MOVI 131. Understanding Moving Image Arts. 3 hours.
Examination and interpretation of moving image texts such as film, television, and new digital media. Course Information: Same as ENGL 131. *Creative Arts course*.

MOVI 132. Understanding Film. 3 hours.
Representative selections of film, from a variety of periods and forms. Development of analytical and interpretive skills in understanding film. Course Information: Same as ENGL132. *Creative Arts course*.

MOVI 200. Communication Technologies. 3 hours.
History, development, and social impact of communication technology: print, broadcast, cable, satellite, computer, internet. Issues related to infrastructure, regulation, access, globalization, conveyance, and change. Course Information: Same as COMM 200. Some sections may be offered fully online or in a blended-online and classroom course setting. Use of computer and internet access is required for all online and blended sections. Consult the schedule of classes for mode of instruction. A high speed connection, while not required, is strongly suggested. Prerequisite(s): COMM 103 and Credit or concurrent registration in COMM 101 and Credit or concurrent registration in COMM 102. MOVI minors should seek approval from the Department of Communication.

MOVI 208. Central and Eastern European Cinema. 3 hours.
An overview of the main trends in the central and eastern European cinematic tradition and its role in the history of world cinema. Course Information: Same as CEES 208. Taught in English. Weekly film screenings. Prerequisite(s): ENGL 160; or consent of the instructor. *Creative Arts course*.

MOVI 225. Spanish and Latin American Culture through Literature and Film. 3 hours.
Introduces students to the Hispanic cultures, both Peninsular and Latin American, as represented in literature and film throughout the 20th and 21st centuries. Course Information: Same as SPAN 225. Taught in English. Two hours per week to view films. Prerequisite(s): Completion of the university writing requirement. Class Schedule Information: To be properly enrolled, students must register for one Lecture/Discussion and one Lab. *World Cultures course*.

MOVI 229. Introduction to Asian Film. 3 hours.
A theoretical analysis of films by recognized masters of Asian cinema. Course Information: Same as GLAS 229 and ENGL 229. Taught in English. Films contain English subtitles. One film per week will be screened outside of class. Students may choose to attend the official screenings or watch the films on their own. Prerequisite(s): ENGL 161. *World Cultures course*.

MOVI 230. Introduction to Film and Culture. 3 hours.
Analysis of representative works that reflect the relationship between cinema and its cultural context. Course Information: Same as ENGL 230. *Creative Arts course, and Individual and Society course*.

MOVI 232. History of Film I: 1890 to World War II. 3 hours.
History of film from its beginnings in the 1890s up to World War II. Course Information: Same as AH 232 and ENGL 232. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. Recommended background: ENGL 131 or ENGL 132 or ENGL 230. *Creative Arts course*.

MOVI 233. History of Film II: World War II to the Present. 3 hours.
History of film from World War II to contemporary movements in world cinema. Course Information: Same as AH 233 and ENGL 233. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. Recommended background: ENGL 131 or ENGL 132. *Creative Arts course*.

MOVI 234. History of Television. 3 hours.
A critical history of television. Course Information: Same as COMM 234 and ENGL 234. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high speed connection, while not required, is strongly suggested. Prerequisite(s): ENGL 160 and ENGL 161.

MOVI 270. The Reel Arab. 3 hours.
Examination of how Arabs are portrayed in the cinema. Exploration of popular films (both Western and Arab) and their prominent conventions. Focus on gender issues, racial and ethnic representations, and analysis of patriarchal attitudes. Course Information: Same as ARAB 270. Taught in English. Prerequisite(s): Completion of ENGL 160; or any 100- or 200-level film course. *Creative Arts course*.

MOVI 278. Latin American/Latino Film Studies. 4 hours.
Introduction to the history and major aesthetic movements of Latin American cinema. Course Information: Same as LALS 278 and SPAN 278. Taught in English. Includes a film screening component. Prerequisite(s): Grade of C or better in LALS 101 or Grade of C or better in LALS 102 or Grade of C or better in LALS 109 or Grade of C or better in LALS 110; and sophomore standing or above; or consent of the instructor; or a grade of C or better in any film course. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Creative Arts course, and World Cultures course*.

MOVI 280. Italian and Italian American Cinema. 3 hours.
Italian and Italian American films and cinematic movements presented within the context of Italian culture and its diaspora. Course Information: Same as ITAL 280. Taught in English. Extensive computer use required. No knowledge of Italian required. Films screened with English subtitles. This course is offered in both face-to-face (16 weeks) and online asynchronous format (8 weeks). Online courses involve heavy computer usage; computer and internet access are required. Check the class schedule for details on specific sections. Recommended Background: Credit or concurrent registration in ENGL 102; or Credit or concurrent registration in ENGL 120; or Credit or concurrent registration in ENGL 121. *Creative Arts course, and World Cultures course*.

MOVI 331. Studies in the Moving Image. 3 hours.
Study of a topic or movement in film and/or other media forms. Course Information: Same as ENGL 331. May be repeated to a maximum of 6 hours. Recommended Background: ENGL 131.

Museum and Exhibition Studies (MUSE)

Courses

MUSE 400. Topics in Museum and Exhibition Studies. 3-5 hours.
Investigation of a problem, topic or issue relevant to the interdisciplinary field of Museum and Exhibition Studies. Content varies. Course Information: 3 to 4 undergraduate hours. 4 to 5 graduate hours. May be repeated for credit. Extensive computer use required.

MUS 153. University Choir. 1 hour.
Student performance of choral literature of all musical periods. Course Information: May be repeated to a maximum of 8 hours. Occasional concerts off-campus. Prerequisite(s): Audition required.

MUS 154. Chamber Choir. 1 hour.
Study/performance of choral literature for 16 to 24 voices. Course Information: May be repeated to a maximum of 8 hours. Occasional concerts off-campus. Prerequisite(s): Audition required.

MUS 155. Treble Choir. 1 hour.
Study/performance of choral literature of all musical periods. Course Information: May be repeated to a maximum of 8 hours. Occasional concerts off-campus. Prerequisite(s): Basic music-reading skills and an audition required.

MUS 156. Pep Band. 1 hour.
Performs at home basketball games. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): Consent of instructor. Must enroll concurrently in MUS 151. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Practice.

MUS 157. University Orchestras. 1 hour.
Designed for the study and performance of traditional and contemporary literature for symphony orchestra. Course Information: May be repeated to a maximum of 8 hours. Students may register in more than one section per term. Participation in rehearsals and field trip performances required. Due to the nature of music ensembles, required performances will occur at times other than class times, and additional required rehearsals may be announced. Prerequisite(s): Audition and/or consent of the instructor. Recommended background: Three years of private lessons and/or high school orchestra experience.

MUS 159. Jazz Ensemble. 1 hour.
Practical experience in the preparation and public performance of big band and small ensemble jazz. Course Information: May be repeated to a maximum of 8 hours. Field trips may be required. Prerequisite(s): Audition or consent of the instructor.

MUS 160. Small Jazz Ensemble. 1 hour.
Various instrumental ensembles focusing on performance techniques within the historical development of the American jazz ensemble. Performances at various events across the UIC campus and the greater Chicago community. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): Audition or consent of the instructor. Recommended backgroud: Minimum three years private instruction on student's preferred instrument.

MUS 161. Teaching and Learning Brass. 1 hour.
Instructs students in the effective teaching and learning of brass instruments in K-12 school settings. Course Information: Field work required.

MUS 162. Teaching and Learning Jazz. 1 hour.
Prepares students to teach techniques and styles of jazz from early blues and dixieland through current trends of jazz within K-12 classrooms. Course Information: Field work required.

MUS 163. Teaching and Learning Percussion. 1 hour.
Provides music education majors with fundamental information regarding performance techniques and teaching methods for musical instruments in the percussion family. Course Information: Field work required.

MUS 164. Teaching Popular Music. 1 hour.
Prepares students to teach popular music techniques and styles in K-12 classrooms. Course Information: Field work required.

MUS 165. Teaching and Learning Strings. 1 hour.
Provides music education majors with fundamental information regarding performance techniques and teaching methods for bowed string instruments. Course Information: Field work required.

MUS 166. Teaching and Learning Voice. 1 hour.
Prepares students to teach vocal techniques and styles in various K-12 classrooms. Course Information: Field work required.

MUS 167. Teaching and Learning Woodwinds. 1 hour.
Introduction to woodwind pedagogy, performance practice, and techniques. Coverage of instrumental methods for flute, oboe, clarinet, saxophone, and bassoon. Course Information: Field work required.

MUS 168. Banda, Mariachi, & Salsa. 1 hour.
Prepares students to establish banda, salsa, and mariachi ensembles in K-12 schools and teach their instrumental techniques and stylistic parameters in K-12 classroom settings. Course Information: Field work required.

MUS 170. Keyboard Skills I. 2 hours.
Development of basic keyboard skills including sight reading, transposition, improvisation, and ensemble playing. Course Information: Prerequisite(s): Concurrent registration in MUS 101 and 103, or approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Laboratory.

MUS 171. Keyboard Skills II. 2 hours.
Continues MUS 170. Course Information: Prerequisite(s): Grade of C or better in MUS 170; Concurrent registration in MUS 102 and MUS 104.

MUS 180. Private Instrumental Lessons. 2 hours.
Applied music instruction in strings, woodwinds, brass, percussion, piano, guitar or organ. Prerequisite(s): Audition prior to initial registration and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

MUS 181. Private Instrumental Lessons-30 Minutes. 1 hour.
Applied music instruction on musical instruments. Lessons last 30 minutes. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): Approval of the Department and admission to the music major and successful completion of an audition. Recommended Background: Previous music and instrumental study. Class Schedule Information: To be properly registered, students must enroll in one Practice and Conference.

MUS 182. Private Voice Lessons. 2 hours.
Applied music instruction in voice. Course Information: May be repeated to a maximum of 16 hours. Prerequisite(s): Approval of the department and admission to the music major and successful completion of an audition. Recommended background: Previous music and vocal study. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

MUS 183. Private Vocal Lessons-30 Minutes. 1 hour.
Applied music instruction in voice. Lessons last 30 minutes. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): Approval of the Department and admission to the music major and successful completion of an audition. Recommended Background: Previous music and voice study. Class Schedule Information: To be properly registered, students must enroll in one Practice and Conference.

MUS 298. Selected Topics in Music. 3 hours.
Study in specialized areas of music history, music theory, jazz, and ethnomusicology. Course Information: May be repeated to a maximum of 12 hours. Prerequisite(s): Consent of the instructor.

MUS 299. Independent Study. 1-4 hours.
Projects and topics for individual investigation. Course number may be used for student-initiated courses. Course Information: May be repeated to a maximum of 16 hours. Students may register in more than one section per term. Prerequisite(s): MUS 202 and MUS 204 and approval of the department.

MUS 300. Counterpoint. 3 hours.
Written exercises and study of contrapuntal techniques in a variety of styles. Course Information: Prerequisite(s): Grade of C or better in MUS 202 and grade of C or better MUS 204; or approval of the department. Music major may have only one grade of D in 300-level coursework.

MUS 301. Analytic Techniques. 3 hours.
Analysis of representative works in a variety of genres from the seventeenth through the twentieth centuries. Course Information: Prerequisite(s): Grade of C or better in MUS 202. Music majors may have only one grade of D in 300-level coursework.

MUS 302. Composing for Small Ensembles. 3 hours.
Class and individual instruction in the basic techniques composition. Practice in the use of twentieth-century and twenty-first century musical materials. Focus is on strategies for composing for small ensembles. Course Information: Prerequisite(s): Grade of C or better in MUS 202 and grade of C or better in MUS 204 or approval of the department. Music majors may have only one grade of D in 300-level coursework.

MUS 303. Composing for Large Ensembles. 3 hours.
Class and individual instruction in the basic techniques composition. Practice in the use of twentieth-century and twenty-first century musical materials. Focus is on strategies for composing for large ensembles. Course Information: May be repeated. Prerequisite(s): Grade of C or better in MUS 302. Music majors may have only one grade of D in 300-level coursework.

MUS 304. Conducting. 3 hours.
Basic techniques; body position; beat patterns; use of baton; division of beats; starting and stopping; the left hand; dynamics; fermatas; ensemble application; score preparation; memorization. Course Information: Prerequisite(s): Grade of C or better in MUS 202 and Grade of C or better in MUS 204; and junior standing or above; or approval of the department. Majors may have only one D in 300-level courses.

MUS 305. Advanced Conducting. 3 hours.
Builds upon the basic techniques established in MUS 304 Conducting, including gestural skills, continued work on the analysis and interpretation of music, rehearsal techniques and the synthesis of those skills in real-world applications. Course Information: Prerequisite(s): MUS 304 or approval of the instructor.

MUS 306. Orchestration and Arranging I. 3 hours.
The acoustical properties, musical characteristics, and scoring problems of string, woodwind, and brass and percussion instruments. Scoring for string, woodwind, and brass ensembles. Course Information: Prerequisite(s): Grade of C or better MUS 202 and grade of C or better in MUS 204 or approval of the department. Music majors may have only one grade of D in 300-level coursework.

MUS 307. Orchestration and Arranging II. 3 hours.
The acoustical properties, musical characteristics, and scoring problems of percussion, keyboard, and electronic instruments. Scoring for mixed ensembles, band, orchestra. Course Information: Prerequisite(s): Grade of C or better in MUS 306. Music majors may have only one grade of D in 300-level coursework.

MUS 310. Jazz Theory and Keyboard I. 3 hours.
Introductory course designed to acquaint students with rhythmic, melodic, harmonic, and structural aspects of jazz. Course Information: Prerequisite(s): Grade of C of better in MUS 202, and Grade of C or better in MUS 204, and Grade of B or better in MUS 271; and junior standing or above; or approval of the department. Majors may have only one D in 300-level courses.

MUS 311. Jazz Theory and Keyboard II. 3 hours.
Advanced course to continue exploration of rhythmic, melodic, harmonic, and structural aspects of jazz. Course Information: Prerequisite(s): Grade of C or better in MUS 310. Majors may have only one D in 300-level courses.

MUS 312. Jazz Arranging I. 3 hours.
Concentration on developing compositional and orchestration/arranging skills in various jazz and commercial styles. Course Information: Prerequisite(s): Grade of C or better in MUS 120 and Grade of C or better in MUS 221; and junior standing or above; or approval of the department. Majors may have only one D in 300-level courses.

MUS 313. Jazz Arranging II. 3 hours.
Advanced course for developing compositional and orchestration/arranging skills in various jazz and commercial styles. Course Information: Prerequisite(s): Grade of C or better in MUS 312; or approval of the department. Majors may have only one D in 300-level courses.

MUS 314. Advanced Topics in Jazz History and Analysis. 3 hours.
Transcription/analysis is widely acknowledged to be an essential study to develop a jazz student's expressive voice. Students study great jazz recordings in historical context. Compositions/improvised solos are transcribed, analyzed, and performed. Course Information: Prerequisite(s): Grade of C or better in MUS 221.

MUS 320. Music Proseminar. 1-3 hours.
Selected topics for intensive study in specialized areas of music history or music theory. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Senior standing with major in music and consent of the instructor.

MUS 323. Digital Music Engraving. 3 hours.
A hands-on music notation and engraving course designed to give the student professional-level fluency in music notation software. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

MUS 324. Music Teaching in Ensemble Settings. 3 hours.
Study of philosophies and approaches of teaching and conducting music in ensemble settings. Course Information: Field work required. Prerequisite(s): MUS 101 and MUS 102 and MUS 103 and MUS 104 and MUS 170 and MUS 304. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

MUS 325. Participatory and Digital Music Practices. 3 hours.
Introduction and application of digital and participatory music practices. Topics center around diversity, creativity, identity formation, and the use of popular, culturally responsive, and critical pedagogies in music. Course Information: Field work required. Prerequisite(s): MUS 101 and MUS 102 and MUS 103 and MUS 104.

NAST 271. Native American Art. 3 hours.
Survey of the arts of the indigenous peoples of the United States and Canada. Course Information: Same as AH 271. Prerequisite(s): 3 hours of art history at the 100 level or consent of the instructor. *Creative Arts course, and World Cultures course*.

NAST 415. American Indian Ethnohistory. 3 or 4 hours.
Introduction to ethnohistory, an interdisciplinary approach to researching, conceptualizing, and writing American Indian history. The course is organized topically and centers on classic and current monographs and articles. Course Information: Same as HIST 415. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above and consent of the instructor. Recommended background: Courses in Cultural Anthropology, American Indian Anthropology, American Indian Literature.

Natural Sciences (NATS)

Courses

NATS 105. Physical Systems in Earth and Space Science. 4 hours.
A multidisciplinary course that uses physics to understand earth, space, and environmental science phenomena and ideas related to sensing the universe, movements on the earth and in the solar system, and past and future of the earth and universe. Course Information: 4 hours. Class Schedule Information: To be properly registered, students must enroll in one Lecture -Discussion and one Laboratory and one Laboratory-Discussion. *Natural World - With Lab course*.

NATS 106. Chemical and Biological Systems. 4 hours.
A multidisciplinary course that uses biological and chemical concepts to understand the organization of the physical world, processes and energy exchanges at the atomic and molecular levels, and interactions of organisms and the environment. Course Information: 4 hours. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory. *Natural World - With Lab course*.

NATS 200. Tutoring in the Science Learning Center. 1 hour.
Study, analysis, and implementation of best practices in tutoring and peer-leadership. Effective facilitation of student group discussions and communication in STEM disciplines. Course Information: Satisfactory/Unsatisfactory grading only. May be repeated. Students meet once per week. Volunteers schedule 2-3 hours per week to tutor; peer-leaders schedule 4-6 hours per week to tutor. Prerequisite(s): Consent of the instructor.

Naval Science (NS)

Courses

NS 101. Introduction to Naval Science. 2 hours.
Introduction to sea-power and the naval service. Includes an overview of officer and enlisted rank and rating structures, training, promotion and military courtesy. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 200. Naval Ships Systems. 3 hours.
The types, structure and purpose of naval ships. Includes nuclear, gas turbine, and steam propulsion systems, auxiliary systems, interior communications and damage control. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 201. Naval Weapons Systems. 3 hours.
Introduction to the theory and principles of naval weapons systems. Covers type of weapons, capabilities and limitations and theory of operation. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

NS 202. Sea Power and Maritime Affairs. 3 hours.
Concept of seapower and its effect on history, naval strategies of past and present, the role of U.S. seapower from the Revolutionary War to the present. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 294. Topics in Naval Science. 1-3 hours.
Study of topics in naval science. Course Information: May be repeated if topics vary. Students may register in more than one section per term. Prerequisite(s): Approval of the department.

NS 301. Navigation. 3 hours.
Ship navigation. Covers areas of piloting, celestial and electronic means of shipboard navigation. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 302. Naval Operations. 3 hours.
Ship operations and movement. Covers maneuvering, seamanship, communications, and command and control. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

NS 310. Evolution of Warfare. 3 hours.
Survey of all military history thereby providing a very basic understanding of the art and concepts of warfare from the beginning of recorded time to the present. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 320. Amphibious Warfare. 3 hours.
Historical survey of the evolution of amphibious warfare in the twentieth century. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NS 350. Naval Leadership and Management. 3 hours.
A comprehensive, advanced-level study of organizational behavior and management. Topics include a survey of principle management functions. Course Information: Prerequisite(s): Consent of the instructor. To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

NS 351. Naval Leadership and Ethics. 3 hours.
Responsibilities of the junior Naval Officer and Division Officer. Professional responsibilities that the junior officer will have after commissioning will be covered. Course Information: Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

NURS 316. Nursing Informatics. 3 hours.
Explores the concepts of data, information, knowledge, and wisdom as they derive from patient care technology, communication methods, interprofessionalism and computer applications. Course Information: Previously listed as NUEL 316. Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 321. Nursing Care of Adults Across the Life Span. 7 hours.
Application of nursing knowledge and skills in care of adults across the life span. Unique health care needs of older adults will be addressed. Course Information: Prerequisite(s): NURS 204 and NURS 212 and NURS 221 and NURS 223. Corequisites: Requires concurrent registration in NURS 233 and NURS 254 and NURS 351.

NURS 322. Introduction to Nursing Research and Statistics for Evidence-Based Practice. 4 hours.
Basic concepts of research utilization and critique emphasizing relationship between research and evidence-based nursing practice. Includes study of basic statistical measures, vocabulary, data analysis, and hypothesis testing. Course Information: Prerequisite(s): NURS 210 and NURS 242; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

NURS 331. Nursing Care of Childbearing Women and Families. 4 hours.
Application of nursing knowledge and skills in the care of childbearing women and their familes. Course Information: Prerequisite(s): Grade of C or better in NURS 212 and Grade of C or better in NURS 233 and Grade of C or better in NURS 254. Corequisites: Requires concurrent registration in NURS 304 and NURS 361 or NURS 371.

NURS 332. Caring Theory in Professional Nursing Practice. 3 hours.
Exploration of the complex nature of caring, its critical role in nursing, and its application to acute, chronic, and palliative patient needs, and individual's self-care and wellness. Course Information: Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 341. Nursing Care of Children and Families. 4 hours.
Application of nursing knowledge and skills in the care of infants, children, and adolescents and their families. Course Information: Prerequisite(s): Grade of C or better in NURS 212 and Grade of C or better in NURS 221 and Grade of C or better in NURS 233 and Grade of C or better in NURS 254. Corequisites: Requires concurrent registration in NURS 304 and NURS 361 or NURS 371.

NURS 342. Caring in Professional Nursing. 2 hours.
Exploration of the complex nature of caring and its critical role in nursing. Special emphasis is placed on defining caring, describing nurse caring, and investigating caring through application, discussion, research, and teaching. Course Information: Prerequisite(s): NURS 210 and NURS 242.

NURS 351. Nursing Care in Mental and Behavioral Health. 4 hours.
Application of nursing knowledge and skills in the integration of biopsychosocial concepts and principles into care of individuals and groups. Course Information: Prerequisite(s): Grade of C or better in NURS 223 and Grade of C or better in NURS 212 and Grade of C or better in NURS 221 and Grade of C or better in NURS 204. Corequisites: Requires concurrent registration in NURS 233 and NURS 321 and NURS 254.

NURS 352. Population Focused Nursing Care. 3 hours.
Explores concepts of population focused nursing, public health, community health nursing, social and cultural determinants of health, health disparities, wellness, ethics, leadership, and interprofessionalism. Course Information: Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 354. Professional Nursing 4. 4 hours.
Concepts of leadership, management, organizations/systems theory, healthcare finance and policy, and their impact on the role of the nurse are investigated. Intra and interprofessional collaboration and nursing informatics will be examined. Prerequisite(s): Grade of C or better in NURS 221 and Grade of C or better in NURS 304 and Grade of C or better in NURS 321 and Grade of C or better in NURS 351. Corequisites: Concurrent registration in NURS 331 or NURS 341; and concurrent registration in NURS 361 or NURS 371.

NURS 361. Nursing Care of Populations. 4 hours.
Application of nursing knowledge and skills in the care of populations. Course Information: Prerequisite(s): Grade of C or better in NURS 212 and Grade of C or better in NURS 221 and Grade of C or better in NURS 254 and Grade of C or better in NURS 321 and Grade of C or better in NURS 351. Corequisite(s): Concurrent registration in NURS 331 or NURS 341.

NURS 362. Nursing Health Promotion. 3 hours.
Introduces concepts of health promotion and disease prevention for individuals, families, groups, and populations through evidence-based research and interaction with clients and stakeholders. Course Information: Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 371. Acute Care Nursing & Care Mgmt. 4 hours.
Integration of nursing knowledge and coordination of clinical skills when caring for multiple patients in acute care settings, with emphasis on care management and care transitions. Prerequisite(s): Grade of C or better in NURS 233 and Grade of C or better in NURS 254 and Grade of C or better in NURS 321 and Grade of C or better in NURS 351. Corequisites: Concurrent registration in NURS 331 or NURS 341; and NURS 304.

NURS 372. Leadership and Management in Nursing. 3 hours.
Exploration and application of principles of nursing professionalism, leadership, management functions, and the nursing process to the support of clients, groups, and systems. Course Information: Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 377. Integrative Practice Experience. 2 hours.
Integration of theory and concepts into complex practice scenarios to develop knowledge and skills needed to provide safe and effective nursing care across diverse populations and settings. Course Information: Prerequisite(s): Grade of C or better in NURS 254 and Grade of C or better in NURS 321. Corequisites: Requires concurrent registration in NURS 304 and NURS 331 or NURS 341.

NURS 382. Nursing Role in Healthcare Quality and Safety. 3 hours.
Exploration of healthcare systems' effectiveness and individual nursing performance as they impact outcomes of patient care and quality and safety within healthcare systems. Course Information: Meets eight weeks of the semester. Prerequisite(s): Successful completion of preadmission required courses.

NURS 433. Adult Health Nursing 2. 6 hours.
Using clinical and simulation-based education modalities, students apply nursing theory and concepts to develop knowledge and skills needed for safe and effective nursing care across diverse adult and older adult patient populations and settings. Prerequisite(s): NURS 423. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Clinical Practice.

NURS 438. Introduction to Evidence-Based Practice. 3 hours.
Builds a foundation of concepts, methodology, and research appraisal associated with evidence-based practice and quality indicators of nursing care. Concepts of patient care technology will be explored.#Prerequisite(s): NURS 423.

NURS 443. Nursing Care of Women and Childbearing Families. 4 hours.
Applies nursing knowledge and skills in the care of women and childbearing families. Course information: Prerequisite(s): BSN students: NURS 420 and NURS 423. MSN-GE students: NURS 423. Corequisite(s): BSN students may either take NURS 420 and NURS 423 prior to enrolling in NURS 443 or enroll concurrently these courses. Class Schedule Information: To be properly registered, students must enroll one Lecture-Discussion and one Clinical Practice.

NURS 448. Leadership in Professional Nursing Practice. 6 hours.
Application of principles of nursing leadership, management, health policy, and systems thinking to management of diverse groups of clients and systems to promote equity and inclusive care competencies. Prerequisite(s): NURS 433 and NURS 438 and NURS 443 and NURS 463. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Clinical Practice.

NURS 453. Pediatric Health Nursing. 4 hours.
Equips students with the essential skills and knowledge to provide specialized nursing care for infants, children, adolescents, and families addressing developmental, medical, and psychosocial aspects of pediatric patients. Course Information: Prerequisite(s): NURS 423. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Clinical Practice.

NURS 458. Transition to Professional Nursing Practice. 4 hours.
Prepares students for entry to professional nursing practice. Preparation for successful NCLEX-RN testing and job acquisition is included. Course Information: Prerequisite(s): BSN: NURS 433 and NURS 438 and NURS 443 and NURS 463; MSN-GE: NURS 443 and NURS 453 and NURS 463 and NURS 473. Corequisite(s): BSN: NURS 448 and NURS 453 and NURS 473 can be taken either prior to enrolling in NURS 458 or concurrently with NURS 458.

NURS 463. Psychiatric-Mental Health Nursing. 4 hours.
Application of nursing knowledge and skills in the integration of biopsychosocial concepts and principles into care of individuals and groups across the lifespan. Course information: Prerequisite(s): MSN-GE: NURS 409 and NURS 411 and NURS 420. Corequisite(s): MSN-GE: NURS 423; BSN: Both NURS 420 and NURS 423 can either be taken prior to taking NURS 463 or concurrently with NURS 463. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Clinical Practice.

NURS 473. Population Health Nursing. 0-5 hours.
Application of nursing knowledge and skills in the care of populations in various community settings. Course Information: Prerequisite(s): NURS 423. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Clinical Practice.

Nursing Elective (NUEL)

Courses

NUEL 244. History of Professional Nursing in the U.S. 3 hours.
Presents 400-year history of nursing in the U.S. through a social history framework. Traces nurses' work in health promotion/disease prevention/direct patient care recognizing the contribution of people of varying races, social classes, and genders. *Past course*.

NUEL 250. Human Development Across the Life Span. 3 hours.
Survey of biological, psychological and social influences on human development from conception to death. Emphasis is on current research and its application to societal issues. Course Information: Designed for Prenursing students.

NUEL 394. Special Topics: Undergraduate. 1-6 hours.
Discusses selected topics of current interest. Offered according to sufficient student demand and instructor availability. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

NUEL 399. Independent Study: Undergraduate. 1-4 hours.
Individually arranged study of a topic selected by the student under the guidance of an individual instructor. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

Occupational Therapy (OT)

Courses

OT 350. Introduction to Occupational Therapy: Occupation and Participation across the Lifespan. 3 hours.
Designed to introduce students to the history, philosophy, and practice of occupational therapy and provide students with a foundational understanding of the role of occupational therapists across settings and populations. Course Information: Prerequisite(s): Sophomore standing or above.

OT 360. Promoting Wellbeing. 2 hours.
Provides opportunities for students to gain knowledge and skills from an occupational therapy perspective to promote self-management and wellbeing for themselves and others, applying the concepts to academic, social, work and professional roles. Course Information: Prerequisite(s): Undergraduate standing at the University of Illinois at Chicago.

OT 494. Special Topics in Occupational Therapy. 1-4 hours.
Selected occupational therapy-related seminar topics of interest or pilot version of new occupational therapy course. Designed for undergraduate and non-occupational therapy major graduate students. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Junior standing or above or graduate standing. Recommended background: Undergraduate students: Completion or concurrent registration in OT 350.

OT 496. Independent Study. 1-4 hours.
For undergraduate students who wish to pursue an independent study experience for credit. Course Information: May be repeated for credit. Prerequisite(s): Sophomore standing or above; and consent of the instructor.

PHAR 410. Integrated Physiology. 3 hours.
Reviews and integrates principles introduced in pre-requisite physiology, anatomy and biochemistry courses to human non-pathological and pathological situations. Active learning will promote problem-solving skills. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory-Discussion.

PHAR 411. Introduction Pharmacy Practice. 4 hours.
Students will be introduced to the practice of pharmacy through a combination of lectures, on-campus introductory pharmacy practice experience (IPPE) simulations, and a week-long shadow experience (off-site) in a pharmacy practice setting. Course Information: Prerequisite(s): Current Illinois Pharmacy Technician License and completed college background check and drug screen and immunization records on file with the college. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory-Discussion and one Clinical Practice.

PHAR 412. Introductory Pharmacy Practice (IPPE): Community. 2 hours.
Overview of contemporary pharmacy practice in a community setting. Students will spend the majority of their time off-site at a community pharmacy enabling them to observe and develop the skills necessary in this setting. Course Information: Prerequisite(s): PHAR 411 and PHAR 431 and current Illinois Pharmacy Technician License and must comply with annual college background check and urine drug screen and must have immunization records complete and on file with college and additional site-specific requirements.

PHAR 413. Introductory Pharmacy Practice Experience (IPPE): Hospital. 2 hours.
Students will be provided an overview of contemporary pharmacy practice in a hospital setting. Students will spend most of their time engaged in actual (off-site at a hospital pharmacy) or simulated (on-site) hospital pharmacy practice activities. Course Information: Prerequisite(s): PHAR 411 and PHAR 431 and current Illinois Pharmacy Technician License and must comply with annual college background check and urine drug screen and must have immunization records complete and on file with college and additional site-specific requirements.

PHAR 414. Introductory Pharmacy Practice (IPPE): Introduction to Patient Care. 2 hours.
Introduction to the skills necessary to provide direct patient care. The goal of this course is to develop the skills necessary for communication of a pharmacotherapeutic recommendation both verbally and in writing. Course Information: Prerequisite(s): PHAR 412 and PHAR 413 and current Illinois Pharmacy Technician License and annual college background check and urine drug screen and immunization records complete and on file with college.

PHAR 422. Fundamentals of Drug Action. 4 hours.
Comprehensive course in chemical mechanisms of drug action. The major objective is for students to develop an understanding of the connection between the properties of chemical compounds and therapeutic action of drugs. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

PHAR 423. Fundamentals of Drug Action II. 4 hours.
Covers more advanced topics of medicinal chemistry such as drug metabolism, energy metabolism, enzyme inhibitor drugs, signaling pathways as drug targets, discovery of natural product drugs and new frontiers in drug discovery. Course Information: Prerequisite(s): PHAR 422. Recommended background: Doctor of Pharmacy prerequisites including two years of undergraduateound chemistry with laboratory and at least 3-credit hour biochemistry.

PHAR 431. Pharmaceutics I - Pharmaceutics Principles, Drug Delivery Systems, and Calculations. 3 hours.
Content will initially focus on basic pharmaceutics principles applicable to all drug delivery systems. Solution products including sterile product solutions will also be addressed. Students will also learn and practice basic pharmacy calculations. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory-Discussion.

PHAR 432. Pharmaceutics II – Pharmaceutical Dosage Forms and Calculations. 2 hours.
Content will focus on basic pharmaceutics principles applicable to suspensions, emulsions, topicals, solids, and other dosage forms will be addressed. Pharmacy calculations relevant to dosage form preparation will also be taught. Prerequisite(s): PHAR 431.

PHAR 433. Pharmaceutics III – Complex Dosage Forms and Calculations. 2 hours.
Content will focus on basic pharmaceutics principles applicable to complex dosage forms (e.g., sterile products, extended release products, vaccines, etc.). Pharmacy calculations relevant to dosage form preparation will also be taught. Course Information: Prerequisite(s): PHAR 432.

PHAR 434. Pharmaceutics IV – Drug Delivery Systems Design and Calculations Competency. 2 hours.
Content will focus on dosage form design of sterile and non-sterile dosage forms; compounding; quality control; pharmacist's role in preparation, compounding, and dispensing of dosage forms; and pharmacy calculations, including a competency exam. Course Information: Prerequisite(s): PHAR 433.

PHAR 435. Pharmacokinetics. 3 hours.
Students will be introduced to basic principles of pharmacokinetics (e.g., absorption, distribution, biotransformation, excretion), factors influencing these parameters, and the use of common mathematical equations to calculate these parameters. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory-Discussion.

PHAR 438. Introduction to Drug Information. 1 hour.
Content will focus on omparing and contrasting primary, secondary, and tertiary resources, including their relative value and trustworthiness. Students will gain skills necessary to conduct systematic searches and extract information from appropriate sources.

PHAR 439. Pharmacoepidemiology and Biostatistical Reasoning. 1 hour.
The principles of biostatistics and epidemiology relevant to pharmacy practice and pharmacoepidemiology (e.g., probability, descriptive and inferential statistics, measures of association and causality, and measures of excess risk) will be reviewed.

PHAR 440. Evidence-Based Medicine. 2 hours.
Focuses on the evaluation of clinical research in the literature and its application to patient care decisions. Application and interpretation of statistical methods will be reviewed in the context of study designs. Course Information: Prerequisite(s): PHAR 438.Corequisites: Requires concurrent registration in PHAR 439.

PHAR 461. Pharmacy and the U.S. Healthcare System. 2 hours.
Introduction to the philosophy and mission of the pharmacy profession, the evolution of practice, and elements of the U.S. Healthcare System.

PMPR 318. Foundations in Rural Family and Community Healthcare IV. 1 hour.
Students apply what was learned in the first year by participating in hands on community health education. Course Information: Prerequisite(s): Acceptance into the Rural Health Professions (RPHARM) Program; and successful completion of PMPR 315, PMPR 316 and PMPR 317.

PMPR 319. Foundations in Rural Family and Community Healthcare V. 1 hour.
The fifth course in a series of six courses of supplementary education for PharmD students accepted into the Rural Health Professions (RHP) Program. Course Information: Prerequisite(s):Acceptance into the Rural Health Professions (RPHARM) Program AND successful completion of RHP Years 1 and 2.

PMPR 320. Foundations in Rural Family and Community Healthcare VI. 1 hour.
The sixth course in a series of six courses of supplementary education for PharmD students accepted into the Rural Health Professions (RHP) Program. Course Information: Prerequisite(s):Acceptance into the Rural Health Professions (RPHARM) Program AND successful completion of RHP Years 1 and 2.

PMPR 321. Capstone Project in Rural Healthcare. 2 hours.
The capstone project is a community-based research project which requires study of their chosen community's social, economic, cultural, organizational and political structure. Course Information: Prerequisite(s): Acceptance into the Rural Health Professions/RPHARM Program and successful completion of Years 1-3 of the RPHARM series of courses.

PMPR 326. Topics for Professional Student Enrichment. 1 hour.
Students will meet at the beginning of the semester with the course instructor to review and select topics from a schedule of topics. Topics chosen will reflect 15 hours of class time as well as writen journals. Course Information: Prerequisite(s): PHAR 341.

PMPR 327. Lifestyle Modifications in Disease Management. 1 hour.
Provides students with the background and practical knowledge for teaching their patients the best ways to become aware of and implement specific lifestyle modifications for their disease states. Course Information: Co-requisites: Concurrently enrolled in PDATs (i.e. P2's and up).

PMPR 328. Evidence Based Phytotherapy. 2 hours.
Provides a basis for the evidenced-based evaluation of phytotherapy and other Complementary and Alternative Medicine (CAM) modalities.

PMPR 329. Dean's Leadership Forum. 1 hour.
In addition to student exposure of established pharmacist roles, it will foster awareness about emerging trends and unique managerial roles for pharmacists as well as alternative career paths within the profession and the pharmaceutical sciences. Course Information: Satisfactory/ Unsatisfactory grading only. Prerequisite(s): P2 or P3 class standing.

PMPR 330. Journal Club and Advanced Literature Analysis. 1 hour.
A course designed to familiarize students with more advanced study design and statistical concepts commonly used in the medical literature. Course Information: Prerequisite(s): P-3 standing and completion of PHAR 455.

PMPR 334. Mindfulness Practice. 1 hour.
Mindfulness is the practice of focusing in the present moment, without judgment or bias. In this course, students will learn about the science and theory of mindfulness and practice techniques during class time.

PMPR 335. Academic Advanced Pharmacy Practice Experience. 4 hours.
An APPE occurring across the curriculum that exposes fourth-professional year students to academic pharmacy. Course Information: May be repeated to a maximum of 8 hours. Prerequisite(s): P4 level student standing.

PMPR 336. Concepts in Drug Development: From Bench to Bedside. 2 hours.
Designed to give clinician-scientists an overview of the drug development process, from bench to bedside. Course Information: Offered online only. Prerequisite(s): Students will be required to search and evaluate scientific literature independently. PharmD candidates must be current second- or third-year students. First-year pharmacy students or graduate students of any year require instructor approval.

PMPR 337. Spanish for Pharmacists. 2 hours.
This online elective course is designed to provide students with the fundamental knowledge they will need to interact with a Spanish speaking patient.

PMPR 338. Management of the HIV Patient. 2 hours.
Incorporates team and case-based learning. Provides an opportunity to advance HIV understanding and clinical application. Course Information: Prerequisite(s): PHAR 403.

PMPR 339. Exploration of Telemedicine in Pharmacy Practice. 2 hours.
Provides an overview of telemedicine and its role in the healthcare system. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion, one Laboratory, and one Clinical Practice.

PMPR 345. Clinical Toxicology. 3 hours.
Basic and applied concepts in clinical toxicology including general approach, poisoning prevention measures, retrieval and evaluation of toxicology literature, substance abuse issues and practice site specific toxicology concerns. Course Information: Prerequisite(s): Enrollment in the Doctor of Pharmacy program.

PMPR 347. Advanced Transplant Therapeutics. 2 hours.
Builds upon the fundamentals of solid organ transplantation established in PHAR 407. Course Information: Requires concurrent registration in PHAR 407.

PMPR 348. Exploring Advanced Topics in Ambulatory Care. 2 hours.
Provides pharmacy students with advanced knowledge of various ambulatory care models. Course Information: Prerequisite(s): P3 standing.

PMPR 349. Case Based Infectious Diseases. 2 hours.
Provides an opportunity to advance infectious disease understanding and clinical application. Students will be responsible for providing therapeutic recommendations based on evidence based medicine. Course Information: Prerequisite(s): PHAR 506, current P3 standing.

PMPR 355. Seminar in Pharmacy Research. 1 hour.
A weekly 1 hour research seminar provided by the College of Pharmacy faculty who are currently conducting clinical and/or basic science research. Course Information: Prerequisite(s): Enrollment in the Doctor of Pharmacy Program.

PMPR 356. The Role of the Pharmacist in Tobacco Cessation. 2 hours.
An in-depth knowledge base in smoking cessation, skills for counseling, and detailed "how to" information on specific counseling techniques.

PMPR 430. Critical Care I. 2 hours.
Advanced pharmacotherapeutics course that will concentrate on the medical management and the pharmacotherapist's role in the management of the critically ill patient. This course will also incorporate and apply pharmacokinetic principles. Course Information: Prerequisite(s): HAR 401 and PHAR 402 and PHAR 403 and PHAR 404 and PHAR 405 and PHAR 406; and PHAR 407 and PHAR 408; and completion of the second year of the program Beginning Spring 2019: Concurrent enrollment in PHAR 510.

PMPR 440. Applied Pharmacokinetics. 2 hours.
An elective course demonstrating practical application of pharmacokinetic principles. Course Information: Previously listed as PMPR 340. Scientific calculator required. Prerequisite(s): PHAR 401, PHAR 402, PHAR 403, PHAR 404, PHAR 405, and PHAR 406 or consent of the instructor.

PMPR 442. Introduction to Specialty Pharmacy. 2 hours.
Specialty pharmacy practice model and how it impacts access and management of drugs used to treat complex ans chronic disease. Course Information: Prerequisite(s): P2 or P3 standing. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PMPR 443. Advanced Specialty Pharmacy: Administration and Operations Management. 2 hours.
Advanced topics in specialty pharmacy operations management and will build off of the information learned from PMPR 442. Course Information: PMPR 442 and PHAR 565.

PMPR 445. Interprofessional Approaches to Health Disparities (IAHD) I. 2 hours.
Designed to build upon the concepts of health disparities, social determinants of health, public health, Interprofessional education, quality improvement and community-based participatory research across the PharmD curriculum. Course Information: Prerequisite(s): Successful completion of PharmD Curriculum through P2 year. Completion of competitive application packet for the course.

PMPR 446. Interprofessional Approaches to Health Disparities (IAHD) II. 2 hours.
Equips learners with essential skills to improve health care for underserved populations and transform health disparities through interprofessional education, research and collaborative practice. Prerequisite(s): PMPR 445.

PMPR 450. Medical writing. 1 hour.
Students will access weekly online modules that will cover the fundamentals of writing, editing, and publishing scientific medical information. Prerequisite(s): PHAR 440.

PMPR 485. Concentration Research. 2 hours.
Investigation, under the direction of one or more faculty members, of a problem of limited scope. May require literature research related to the research project. Course Information: May be repeated to a maximum of 4 hours.

PMPR 486. Concentration Seminar. 1 hour.
Offered in conjunction with the PMPR 485 as a means for students to present and receive feedback on their concentration research projects. Course Information: Prerequisite(s): PMPR 485.

PMPR 487. Clinical Research Design. 2 hours.
Designed to familiarize students with essential research skills, including the process of analyzing research, presenting a journal club, writing a letter of intent, and developing a research protocol.

PMPR 488. Pharmacy Practice Leadership. 2 hours.
Provides basic concepts in pharmacy practice leadership and serve as a foundation for students interested in a career path in pharmacy management/leadership.

Pharmacy Systems, Outcomes, and Policy (PSOP)

Courses

PSOP 300. Undergraduate Research Experience in Pharmacy Systems, Outcomes and Policy. 1-3 hours.
Supports the academic environment for undergraduate students at UIC. The research experience will be under the guidance of a faculty member who will act as a research supervisor. Course Information: Satisfactory/Unstatisfatory grading only. May be repeated. Application of credit toward the degree is contingent upon the approval of the student's college and/or department. Prerequisite(s): Consent of the instructor supervising the research experience. Open only to sophomores, juniors, and seniors.

PSOP 380. Undergraduate Research in Pharmacy Systems, Outcomes and Policy. 1-3 hours.
Investigation, under the direction of one or more faculty members, of a problem of limited scope. May require literature research related to the research project. Course Information: May be repeated. A maximum of 6 hours of credit is allowed per department. A total of not more than 8 hours of 380 and 390 numbered courses in the college may be applied toward the 12 hours of PharmD professional electives. Prerequisite(s): Minimum cumulative grade point average of 3.50 and consent of the instructor, department head, and Associate Dean for Student Affairs.

PSOP 381. Professional Development Seminar I. 1 hour.
Weekly seminar series for second professional year pharmacy students. Discusses educational issues related to the second professional year. Students create/update Curriculum Vitae; explore various pharmacy career opportunities. Course Information: Credit is not given for PSOP 381 if the student has credit for BPS 381 or PMMP 381 or PMPR 371. Prerequisite(s): Student must be listed as an advisee of the instructor.

PSOP 382. Professional Development Seminar II. 1 hour.
Weekly seminar series for second year pharmacy students. Discusses educational issues related to the second professional year. Students create/update Curriculum Vitae; explore various pharmacy career opportunities. Course Information: Credit is not givern for PSOP 382 if the student has credit for BPS 382 or PMMP 382. Prerequisite(s): Student must be listed as an advisee of the instructor.

PSOP 383. Professional Development Seminar III. 1 hour.
Weekly seminar series for third professional year pharmacy students. Discusses relevant educational and professional issues. Update CV/Resume and Portfolio. Explore pharmacy career opportunities with invited guests. Course Information: Credit is not given for PSOP 383 if the student has credit for BPS 383 or PMMP 383. Prerequisite(s): Student must be listed as an advisee of the instructor.

PSOP 384. Professional Development Seminar IV. 1 hour.
Weekly seminar series for third year pharmacy students. Discusses with advisees relevant educational and professional issues. Update CV/Resume and Portfolio. Explore pharmacy career opportunities with invited guests. Course Information: Credit is not given for PSOP 384 if the student has credit for BPS 384 or PMMP 384.Prerequisite(s): Student must be listed as an advisee of the instructor.

Philosophy (PHIL)

Courses

PHIL 100. Introduction to Philosophy. 3 hours.
A survey of traditional problems concerning the existence and nature of God, freedom, justification, morality, etc. Readings from historical or contemporary philosophers. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

PHIL 101. Critical and Analytical Reasoning. 3 hours.
Practical course designed to improve student reasoning skills useful for life, college coursework, and explicitly tested on standardized tests like MCAT, GRE, LSAT. Emphasis is on developing skill at evaluating, formulating and presenting arguments. Course Information: Course is offered in both face-to-face and online formats. Check the class schedule for details on specific sections. Note that the online format involves heavy computer usage; computer and internet access are required. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Individual and Society course*.

PHIL 102. Introductory Logic. 3 hours.
Sentential logic: representation of English using truth-functional connectives, decision methods, natural deduction techniques. Introduction to predicate logic: representation of English using quantifiers. Course Information: Course is offered in both face-to-face and online formats. Check the class schedule for details on specific sections. Note that the online format involves heavy computer usage; computer and internet access are required. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Natural World - No Lab course*.

PHIL 103. Introduction to Ethics. 3 hours.
Surveys attempts to answer central questions of ethics: What acts are right? What things are good? How do we know this? Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

PHIL 104. Introduction to Political Philosophy. 3 hours.
An introductory survey of topics in political philosophy that bear on U.S. society. Readings will usually be drawn from both classical and contemporary sources. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and US Society course*.

PHIL 105. Science and Philosophy. 3 hours.
An exploration of central philosophical (and/or religious) issues as they arise in the sciences. Readings include both scientific (e.g. physics or biology) and philosophical works, and may be drawn from various periods. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Natural World - No Lab course*.

PHIL 106. What Is Religion? 3 hours.
Examination of issues concerning religion, including varying views of the purposes that religions serve, differences between religions, and arguments for the existence of God. Course Information: Same as RELS 106. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

PHIL 107. What is Art? 3 hours.
Introduction to the fundamental problems in understanding art; the historical background; the concept of the aesthetic; theories of art; intentionalistic criticism; metaphor; symbolism; expression; theories of evaluation. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Creative Arts course*.

PHIL 108. What Is Freedom? 3 hours.
Introduction to philosophy through an investigation of freedom. What is freedom, and why do we value it? Do we have free will? What limitations on individual freedom by society are legitimate? What is a free society? Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

PHIL 109. Who Am I? 3 hours.
Who am I? What does it mean to be human? How am I different from other humans? What is the source of my identity, and is it something I can control? These questions addressed through philosophical texts from Plato to the present. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

PHIL 110. Philosophy of Love and Sex. 3 hours.
A philosophical inquiry into traditional and contemporary views about love and sex. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

PHIL 111. What Is a Fact? 3 hours.
Introduction to philosophy via an examination of the notion of a fact, and of methods for discerning facts. Topics include: facts and opinions; facts and theories; facts and expertise; facts and free speech. Course Information: To be properly registered, students must enroll in on Lecture and one Discussion/Recitation. *Individual and Society course*.

PHIL 112. Morality and the Law. 3 hours.
What must the law do if it is to protect our rights (such as free speech, privacy, equal treatment)? Why believe we have rights? Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

PHIL 113. Philosophy in the Information Age. 3 hours.
Introduction to philosophy through an exploration of the ethical, epistemological, and metaphysical implications of and questions arising from the use of digital technology. Examples may be taken from Big Data, social media and autonomous technology. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

PHIL 115. Death. 3 hours.
Philosophical examination of our attitudes towards death. Our attitudes towards mortality and immortality; definitions of death; treating others as persons; our attitudes towards life, quality of life issues, suicide, rights of the dying. Course Information: Course is offered in both face-to-face and online formats. Check the class schedule for details on specific sections. Note that the online format involves heavy computer usage; computer and internet access are required. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

PHIL 225. Nineteenth Century Philosophy. 3 hours.
A survey course of the works of major nineteenth century philosophers such as: Hegel, Marx, Nietzsche, Kierkegaard, and Schopenhauer. Course Information: Prerequisite(s): One non-logic course in philosophy or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

PHIL 226. Twentieth-Century Analytic Philosophy. 3 hours.
Historical introduction to the major issues and figures of twentieth-century philosophy in the analytic tradition. Readings from Frege, Russell, Wittgenstein, Quine, and others. Course Information: Prerequisite(s): One non-logic course in philosophy; or consent of the instructor. Recommended background: PHIL 102. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PHIL 227. Continental Philosophy I: Phenomenology and Existentialism. 3 hours.
Existential themes in dramas and fiction as well as selections from the works of such thinkers as Kierkegaard, Nietzsche, Husserl, Heidegger, Merleau-Ponty, Camus and Sartre. Course Information: Prerequisite(s): One non-logic course in philosophy; or the consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PHIL 230. Topics in Ethics and Political Philosophy. 3 hours.
Survey of major topics in ethical theory and political philosophy. Emphasis varies. Course Information: 3 hours. May be repeated if topics vary. Approval to repeat course granted by the department. Prerequisite(s): One non-logic course in philosophy; or consent of the instructor. Recommended background: PHIL 103 or PHIL 109 or PHIL 112 or PHIL 116. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PHIL 232. Sex Roles: Moral and Political Issues. 3 hours.
Philosophical inquiry into controversies surrounding the changing roles of men and women. Course Information: Same as GWS 232. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PHIL 234. Philosophy and Film. 3 hours.
A philosophical examination of film. Screening accompanies discussion. Course Information: Prerequisite(s): One non-logic course in philosophy or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PHIL 240. Philosophy and Revelation: Jewish and Christian Perspectives. 3 hours.
Introduction to philosophical ways of addressing the claim that a book (the Bible, the Quran) comes from God. Texts by Immanuel Kant, Moses Mendelssohn, and Soren Kierkegaard, among others. Course Information: Previously listed as PHIL 141. Same as RELS 240 and JST 240. Prerequisite(s): One non-logic course in philosophy or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course, and World Cultures course*.

PHIL 241. Philosophy of Religion. 3 hours.
Philosophical inquiry into the grounds of faith and belief, the nature of religious and mystical experience, and the existence and nature of God. Course Information: Same as RELS 241. Prerequisite(s): One non-logic course in philosophy or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture.

PHIL 299. Seminar. 3 hours.
Selected topics. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): One course in philosophy or consent of the instructor.

PHIL 300. Fundamentals of Philosophical Discourse. 3 hours.
An intensive course for philosophy majors or minors aimed at introducing and developing skill in philosophical writing and oral presentation. Course Information: Previously listed as PHIL 400. Prerequisite(s): Major or minor in philosophy; at least one non-logic 200-level philosophy course; or approval of the instructor.

PHIL 310. Aristotle and the Arabs. 3 hours.
Traces the major topics of ancient Greek philosophy, especially those of Aristotle, and their transformation into the philosophy developed in the Arabic classical period. Course Information: Same as ARAB 310 and CL 310. Prerequisite(s): CL 221 or PHIL 221 or RELS 230.

PHIL 357. Philosophy of Rhetoric. 3 hours.
The philosophical basis of the rhetorical tradition—from ancient Greece to today. We ask how language and persuasion function in society, focusing on how rhetorical form, proof, audience, and context shape meaning, belief, and understandings of truth. Course Information: Same as ENGL 357. Extensive computer use required. Prerequisite(s): Credit in a 200-level course in Philosophy or English or consent of the instructor. Recommended background: Credit in PHIL 102 or ENGL 154.

PHIL 390. Senior Thesis in Philosophy. 3 hours.
Students will work individually with a member of the faculty on a topic chosen by the student and approved by the faculty. Course Information: Prerequisite(s): Open only to seniors; Consent of the instructor and department.

PHIL 399. Independent Study. 2-6 hours.
Independent study, under the supervision of a staff member, of a topic not covered in the regular curriculum. Offered at the request of the student and only at the discretion of the staff members concerned. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

PHIL 401. Theory of Knowledge. 3 or 4 hours.
Survey and analysis of key topics in epistemology, such as skepticism, the nature of propositional knowledge, justification, perception, memory, induction, other minds, naturalistic epistemology. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Approval to repeat course granted by the department. Prerequisite(s): One non-logic 200-level course in philosophy; or consent of the instructor.

PHIL 402. Topics in Philosophy of Mind. 3 or 4 hours.
Survey and analysis of one or more topics in philosophy of mind, such as the mind-body problem, philosophy of psychology, perception and sensation, intentional content, consciousness, and mental causation. Course Information: 3 undergraduate hours; 4 graduate hours. May be repeated if topics vary. Approval to repeat course granted by the department. Prerequisite(s): One non-logic 200-level course in philosophy; or consent of the instructor.

Physical Therapy (PT)

Courses

PT 350. Introduction to Physical Therapy. 3 hours.
Introduces the career and profession of physical therapy including professional values, care settings, specialties and models of patient/client management. Course Information: Priority registration will be given to students in the B.S. in Rehabilitation Sciences.

PT 440. Introduction to the Theory and Practice of Physical Therapy in the United States. 0-20 hours.
International students further develop and apply learning from their physical therapy curriculum in an academic training environment that fosters learning, inquiry, critical thinking, and global awareness of contemporary physical therapy practice. Course Information: Satisfactory/Unsatisfactory grading only. No graduation credit. Field work required. Prerequisite(s): Successful completion of all previous didactic and fieldwork courses required by the home institution, and a letter of recommendation from a PT faculty member at the home institution; and English proficiency. Restricted to visiting physical therapy students from international universities. Class Schedule Information: To be properly registered, student must enroll in one Lecture-Discussion and one Laboratory.

PT 496. Independent Study. 1-4 hours.
Open to undergraduate, graduate and professional program students to provide exposure and experience to the field of rehabilitation sciences in the classroom, clinic, research and/or community. Course Information: May be repeated for a maximum of 8 hours. Prerequisite(s): Consent of the Instructor.

Physics (PHYS)

Courses

PHYS 100. Preparatory Physics. 3 hours.
Introduction to basic physics concepts, problem-solving skills, and quantitative reasoning. Course Information: No credit toward the Major in Physics, BS in Physics, or Minor in Physics. Prerequisite(s): Grade of C or better or concurrent registration in MATH 121; and appropriate score on the department placement test.

PHYS 101. Active Learning of the Physical World. 4 hours.
A continuation of the first 7 weeks of PHYS 141, focusing on the exploration of the physical world through active learning. Student-centered learning through team activities in small group settings, working on problem-solving activities. Course Information: Credit is not given for PHYS 101 if student has credit in PHYS 141. Enrollment available only after week 7 and only to students currently enrolled in PHYS 141. Prerequisite(s): Physics 141; and registration and approval of the department. Restricted to students currently enrolled in PHYS 141.

PHYS 112. Astronomy and the Universe. 4 hours.
Astronomy in the context of the scientific process, history and current events. Covers the Solar System, stars and galaxies and the origin and fate of the universe. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture. *Natural World - With Lab course*.

PHYS 116. Energy for Future Decision-Makers. 3 hours.
Survey of energy sustainability and environmental issues. All energy forms of production, sources, storage, and uses; their environmental implications on a global scale within the scientific, technological, political, economic, and social context. Course Information: Same as EAES 116. Recommended background: High school algebra. *Natural World - No Lab course*.

PHYS 118. Physics in Modern Medicine. 3 hours.
Survey course of physical technologies used in modern medicine and the underlying physics, including applications of optics, imaging, and nuclear medicine to diagnosis, surgery, therapy and treatment. Course Information: Prerequisite(s): High school algebra, trigonometry, and biology. *Natural World - No Lab course*.

PHYS 131. Introductory Physics for Life Sciences I. 4 hours.
Algebra-based physics and its relationship to the life sciences, including mechanics, waves, diffusion and fluids with applications to molecular, cell and human biology. Course Information: Prerequisite(s): High school algebra and trigonometry. Credit for PHYS 131 is not given if the student has credit for PHYS 105 or PHYS 141. To be properly registered, students must enroll in one Laboratory, one Lecture and one Discussion/Recitation. *Natural World - With Lab course*.

PHYS 132. Introductory Physics for Life Sciences II. 4 hours.
Algebra-based physics and its relationship to the life sciences, including electromagnetism, optical, quantum, and thermal physics, with applications to molecular, cell and human biology. Course Information: Prerequisite(s): Grade of C or better in PHYS 105 and Grade of C or better in PHYS 106; or Grade of C or better in PHYS 131. Credit for PHYS 132 is not given if the student has credit for PHYS 107 or PHYS 142. To be properly registered, student must enroll in one Laboratory, one Discussion/Recitation and one Lecture. *Natural World - With Lab course*.

PHYS 141. General Physics I (Mechanics). 4 hours.
Kinematics, vectors, Newton's laws of motion; linear momentum, collisions; work and kinetic energy; potential energy, conservation of energy; rotational kinematics and energy; rotational dynamics, static equilibrium; simple harmonic motion. Course Information: Students may obtain one additional hour of credit by concurrently registering in PHYS 144. Prerequisite(s): Grade of C or better or concurrent registration in MATH 180; or approval of the department ; and Grade of C or better in PHYS 100 or adequate performance on the departmental placement test. Class Schedule Information: During the fall and spring terms, combined-section final exam will be held on Wednesday of finals week from 6 to 8 p.m. To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion. *Natural World - With Lab course*.

PHYS 142. General Physics II (Electricity and Magnetism). 4 hours.
Electrostatics; electric currents; d-c circuits; magnetic fields; magnetic media; electromagnetic induction; a-c circuits; Maxwell's equations; electromagnetic waves; reflection and refraction; interference; geometrical optics. Course Information: Prerequisite(s): Grade of C or better in PHYS 141; and Grade of C or better or concurrent registration in MATH 181. *Natural World - With Lab course*.

PHYS 144. Problem-Solving Workshop for General Physics I (Mechanics). 1 hour.
A workshop where smaller groups of students work together with the instructor to enhance their problem solving skills by solving additional problems both similar to, as well as more challenging than, the ones given in Physics 141. Course Information: Satisfactory/Unsatisfactory grading only. Must enroll concurrently in PHYS 141.

PHYS 431. Modern Physics: Condensed Matter. 4 hours.
Crystal structures; interatomic binding; lattice vibrations; thermal and magnetic properties; quantum statistical mechanics; free electron theory of metals; electronic band theory; semiconductors and insulators; superconductivity. Course Information: Prerequisite(s): PHYS 411 and PHYS 461; or consent of the instructor.

PHYS 441. Theoretical Mechanics. 4 hours.
Review of Newtonian mechanics, variational calculus, Lagrangian mechanics, central force problems, non-inertial frames, rigid body motion, coupled oscillators, non-linear mechanics, Hamiltonian mechanics, and numerical examples. Course Information: Prerequisite(s): PHYS 215 and Credit or concurrent registration in PHYS 245; or approval of the department.

PHYS 450. Molecular Biophysics of the Cell. 4 hours.
Introduction to force, time energies at nanometer scales; Boltzmann distribution; hydrodynamic drag; Brownian motions; DNA, RNA protein structure and function; sedimentation; chemical kinetics; general aspects of flexible polymers. Course Information: Same as BME 450. Prerequisite(s): PHYS 245 or the equivalent; or approval of the department.

PHYS 451. Modern Physics: Nuclei and Elementary Particles. 4 hours.
Accelerators, detectors, symmetries, conservation laws, leptons, weak interactions, electroweak theory, strong interactions, hadrons, nuclear forces, systematics and reactions, nuclear models, nuclear astrophysics, quarks, quantum chromodynamics. Course Information: Prerequisite(s): PHYS 411.

PHYS 461. Thermal and Statistical Physics. 4 hours.
Thermal equilibrium (Zeroth Law); thermodynamic states (First Law); irreversibility; entropy (Second Law); thermodynamic potentials and properties; phase transitions; kinetic theory of gases; classical statistical mechanics. Course Information: Prerequisite(s): PHYS 245; or approval of the department.

PHYS 469. The Learning and Teaching of Physics. 4 hours.
Provides teacher candidates with the foundations and experiences necessary for teaching physics in secondary schools. For those currently teaching, it will also provide tools and background to improve their physics instruction. Course Information: 4 hours. Extensive computer use required. Prerequisite(s): PHYS 142; or PHYS 107 and PHYS 108; or approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

PHYS 470. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

PHYS 471. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Graduate credit only with approval of the department. Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in PHYS 470, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

PHYS 475. Learning and Teaching of Physical Sciences. 3 hours.
Provides teacher candidates with the foundation and experience necessary to teach physical sciences in secondary schools. Course Information: Same as CHEM 475. Prerequisite(s): Senior standing or above; or approval of the department. Recommended background: Knowledge of first-year college physics and chemistry. Class Schedule: To be properly registered students must enroll in one Lecture-Discussion and one Laboratory.

PHYS 480. Elements of Machining Scientific Equipment. 1 hour.
Elements of machining scientific equipment, including the use of machine shop tools and technical drawing of scientific apparatus. Course Information: Same as CHEM 480 and EAES 478. Satisfactory/Unsatisfactory grading only. Prerequisite(s): Graduate standing; and approval of the department.

PHYS 481. Modern Experimental Physics I. 4 hours.
Theory and experimental use of linear circuits, semiconductor devices, amplifiers, oscillators. Techniques and experiments in atomic, molecular and solid-state physics. Course Information: Prerequisite(s): PHYS 240; or approval of the department. Requires concurrent registration in PHYS 499 for students enrolled in the BA or BS in Physics programs. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

PHYS 482. Modern Experimental Physics II. 4 hours.
Techniques and experiments in nuclear and particle physics. Gamma-gamma correlations, muon lifetime, Compton scattering, alpha particle scattering. Computer-based experimentation. Course Information: Prerequisite(s): PHYS 481; or approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

PHYS 491. Special Topics in Physics. 1-4 hours.
Selected topics of current interest in Physics. Course Information: May be repeated. Prerequisite(s): PHYS 215 and sophomore standing or above; or approval of the department.

PHYS 494. Special Topics in Physics Teaching. 2-4 hours.
Seminar on various topics related to the teaching of physics. Subjects are announced. Course Information: May be repeated. Students may register in more than one section per term. Supervised teaching practice included. Prerequisite(s): Graduate standing or approval of the department.

PHYS 499. Survey of Physics Problems. 1 hour.
Problem-solving techniques applied to the variety of undergraduate physics topics. Course Information: No graduation credit for graduate students. Grade of C or better required to graduate with an undergraduate degree in physics. Co-requisite(s):Concurrent registration in PHYS 481.

POL 204. Advanced Polish in Healthcare Settings. 3 hours.
Develops students' linguistic competence in Polish required in healthcare settings through introduction of specialized medical terminology and related communicative skills. Course Information: Prerequisite(s): Grade of C or better in POL 104; and appropriate score on the department placement test.

POL 220. Modern Polish-Jewish Culture and Literatures. 3 hours.
Polish-Jewish literature and non-fiction works in English translation from Polish, Yiddish and Hebrew are studied as expressions of a distinct Ashkenazi or East European Jewish culture that developed on historically Polish lands. Course Information: Same as JST 220 and CEES 220. Prerequisite(s): ENGL 160 or ENGL 161. *Creative Arts course, and World Cultures course*.

POL 234. The Making of Modern Poland. 3 hours.
Exploration of political, socioeconomic, and cultural developments since the first Polish state, the union with Lithuania, the struggle for independence, and Communist rule to the present. Course Information: Same as HIST 234. Prerequisite(s):ENGL 160 or completion of any 100-level history course. *Individual and Society course, and Past course*.

POL 242. Polish Poetry for Beginners. 3 hours.
Polish poetry from various literary epochs read as an introduction to Polish literature and explained against the basic historical, cultural, and transcultural contexts. Course Information: Taught in English.

POL 321. Introduction to Polish Literature. 3 hours.
Old Polish literature from medieval Latin and vernacular texts to masterpieces of the Polish Enlightenment. Course Information: Taught in English. Prerequisite(s): Junior standing or consent of the instructor.

POL 399. Independent Study. 1-3 hours.
Investigation of special problems under the general direction of a staff member. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Junior standing, consent of the instructor and consent of the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

POL 460. Studies in Polish Literature. 3 or 4 hours.
Major literary Polish writers recognized in the world, translated extensively into English; their poetics, worldviews as compared with foreign writers; historical and philosophical background. Topics may vary. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 9 hours for undergraduates, or 12 hours for graduate students, if topics vary. Only 6 hours may be applied toward the undergraduate major in Polish. Taught in English. Polish majors will be required to complete some assignments in Polish. Prerequisite(s): Credit or concurrent registration in CEES 224 or Credit or concurrent registration in CEES 225; or consent of the instructor.

POL 499. Independent Study. 1-4 hours.
Investigation of special problems under the general direction of a staff member. Course Information: May be repeated to a maximum of 8 hours. Graduate students may register for more than one section per term. Prerequisite(s): Senior or graduate standing, consent of the instructor and consent of the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the undergraduate degree and the major.

Political Science (POLS)

Courses

POLS 101. Introduction to American Government and Politics. 3 hours.
Introduction to American political ideas, individual and group political behavior, institutions of national government, and public policy. Course Information: May be taught in blended learning format. Please check the online schedule of classes for blended sections. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course, and US Society course*.

POLS 111. United States Politics: Current Problems and Controversies. 3 hours.
Selected current political problems and controversies are analyzed and placed in the context of past and future public policies and the development of political institutions. Course Information: May be repeated to a maximum of 6 hours. May be repeated for credit if topic is different for each registration. Students may register in more than one section per term.

POLS 112. Black Politics and Culture in the United States. 3 hours.
The shifting relationship between black politics and black cultural forms across various historical periods. Course Information: Same as BLST 103. *Individual and Society course, and US Society course*.

POLS 120. Introduction to Political Theory. 3 hours.
Competing accounts of the relationships among individuals, society, and the state. Analysis of differing conceptions of human nature through readings in ancient and modern classics. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course, and Past course*.

POLS 130. Introduction to Comparative Politics. 3 hours.
Comparative study of political institutions, political culture, and political processes in selected major countries of the world. Course Information: Same as INST 130. Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the relevant semester to determine the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high-speed connection, while not required, is strongly suggested. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course*.

POLS 184. Introduction to International Relations. 3 hours.
Political, military, and economic relations between states, international organizations and transnational actors. Problems of war, imperialism and the world economy. Prospects for global cooperation. Course Information: Same as INST 184. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course, and World Cultures course*.

POLS 190. Scope of Political Science. 3 hours.
Politics as law and institutions, markets and power, and culture and identity. Emphasizes writing of essays. Course Information: Prerequisite(s): Seniors require consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture. *Individual and Society course*.

POLS 236. Politics and Government of Eastern Europe. 3 hours.
Similarities and differences of the political system of eastern European states and the sources and meaning of political change. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the relevant semester to determine the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high-speed connection, while not required, is strongly suggested. Prerequisite(s): POLS 130 or INST 130; or consent of the instructor.

POLS 242. Government and Politics of Latin America. 3 hours.
An examination of government and politics in selected Latin American countries. Comparative and historical analysis of dictatorship, democracies, political institutions, and parties. Course Information: Same as LALS 242.

POLS 243. Politics and Government of the Middle East. 3 hours.
Contemporary Middle East political institutions, culture, processes, and conflicts. Emphasis on interaction of traditional and modern forces, such as Islam, nationalism, political elites, ideologies, states. Course Information: Same as JST 243. Prerequisite(s): POLS 130 or POLS 190; or consent of the instructor. *World Cultures course*.

POLS 246. History of American Capitalism. 3 hours.
Survey of the political, economic, cultural, and social history of capitalism in colonial British America and the United States, with special attention to property, labor, finance, public policy, ideology, and class relations. Course Information: Same as HIST 246. Prerequisite(s): ENGL 161; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Past course, and US Society course*.

POLS 258. The Judicial Process. 3 hours.
Dispute settlement and policy making in state and federal court systems; judicial decision making and the impact of decisions on the polity. Course Information: Some sections may be offered fully online or in a blended-online and classroom course setting. Consult the Schedule of Classes for the relevant semester to determine the mode of instruction. Use of computer and internet access is required for all online and blended sections. A high-speed connection, while not required, is strongly suggested. Prerequisite(s): POLS 101.

POLS 267. American Intellectual History to 1865. 3 hours.
Major issues in American intellectual history from the contacts of culture begun by European exploration on the land now known as the United States to the end of the American Civil War in 1865. Course Information: Same as HIST 267. Prerequisite(s): ENGL 161. *Past course, and US Society course*.

POLS 268. American Intellectual History since 1865. 3 hours.
Major issues in American intellectual history and the history of ideas from the end of the Civil War to the present. Course Information: Same as HIST 268. Prerequisite(s): ENGL 161. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Past course, and US Society course*.

POLS 274. The Politics of Blackness in Latin America. 3 hours.
Examines race, culture, and politics in Latin America from historical and contemporary perspectives with a particular emphasis on the latter half of the 20th century and the beginning of the 21st century. Course Information: Same as BLST 274 and LALS 274. Recommended background: Three credit hours in BLST or LALS or POLS.

POLS 275. Gender in Latin America. 3 hours.
Latin American women in historical perspective from pre-Columbian and Iberian societies to the present. Course Information: Same as GWS 275 and LALS 275. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *Past course, and World Cultures course*.

POLS 281. United States Foreign Policy. 3 hours.
Internal and external factors that influence formulation and execution of U.S. foreign policy. Major problems of contemporary foreign policy: constitutional, organizational, and intellectual factors. Course Information: Prerequisite(s): POLS 101 or POLS 190.

POLS 282. National Model United Nations. 3 hours.
Students prepare to assume the role of diplomatic representatives at the National Model United Nations Conference. Course Information: May be repeated to a maximum of 6 hours with approval. Approval to repeat course granted by the department. Prerequisite(s): Consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

POLS 283. International Political Economy. 3 hours.
Political underpinnings and ramifications of international economic relations. Foreign trade policy, multinational corporations, oil North-South relations, economic warfare. Course Information: Same as INST 283. Prerequisite(s): POLS 184 or INST 184 or consent of the instructor.

POLS 284. International Security. 3 hours.
International conflict and cooperation, including war, nationalism, global inequality, and the environment. Course Information: Same as INST 284. Prerequisite(s): POLS 184 or INST 184 or consent of the instructor.

POLS 286. The United Nations and Other International Organizations. 3 hours.
The development, structure, functioning, and impact of the United Nations and other international organizations. An assessment of their contributions and limitations. Course Information: Prerequisite(s): POLS 184 or consent of the instructor.

POLS 287. International Law. 3 hours.
The nature, scope, and limits of international law in the contemporary world. Examines three dimensions of international law: doctrine, practice, and jurisprudence (case-law). Course Information: Prerequisite(s): POLS 184 or consent of the instructor.

POLS 290. History of Political Thought I. 3 hours.
Western political theorists from ancient Greece and Rome through the end of the classical era, including Thucydides, Plato, Aristotle, Cicero, and Augustine. Course Information: Same as CL 290. Prerequisite(s): POLS 120; or consent of the instructor.

POLS 291. History of Political Thought II. 3 hours.
Western political theorists from the seventeenth century through modern times, including Machiavelli, Hobbes, Locke, Marx, Mill and Nietzsche. Course Information: Prerequisite(s): POLS 120; or consent of the instructor.

POLS 295. Introduction to Marxism. 3 hours.
Examination and evaluation of the basic theories of Marx and Engels to determine their contribution to the understanding of contemporary politics. Course Information: Prerequisite(s): POLS 190 or consent of the instructor.

POLS 356. Constitutional Law: Women, Gender and Privacy. 3 hours.
A multidisciplinary examination of U.S. constitutional law and politics in shaping issues of gender, privacy, race, and sexual orientation; including reproduction, labor, sexual harassment, political participation, and women and crime. Course Information: Same as BLST 356, and GWS 356. Prerequisite(s): Grade of C or better in POLS 101 or grade of C or better in POLS 112 or grade of C or better in BLST 100 or grade of C or better in BLST 103 or grade of C or better in GWS 101; or consent of the instructor.

POLS 358. Constitutional Law: African-American Legal History. 3 hours.
Survey of the African-American constitutional experience from the 1600s to the present, focusing on landmark decisions of the United States Supreme Court. Course Information: Same as BLST 358.

POLS 359. Topics in Public Law. 3 hours.
Selected problems arising in public law and judicial arenas. Course Information: May be repeated to a maximum of 6 hours if topics vary. Prerequisite(s): POLS 258 or POLS 353 or POLS 354 or POLS 356 or POLS 358 or consent of the instructor.

POLS 384. International Relations Theory. 3 hours.
Philosophical foundations of international relations, including assumptions of anarchy, rationality, power and the state. Applications to security and political economy. Course Information: Prerequisite(s): POLS 283 or POLS 284 or consent of the instructor.

POLS 389. Seminar: Topics in International Relations. 3 hours.
Selected topics in international relations. Topics may vary and may cover global military, economic, cultural, ecological or methodological issues. Course Information: May be repeated to a maximum of 6 hours if topics vary. Prerequisite(s): POLS 184 or INST 184; and POLS 200; or consent of the instructor . Students seeking to register with instructor approval should contact the academic advisor for Political Science, in addition to securing permission to enroll from the course instructor.

POLS 399. Seminar in Political Theory. 3 hours.
Selected topics and problems in political theory. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): POLS 120 and POLS 200; or consent of the instructor. Students seeking to register with instructor approval should contact the academic advisor for Political Science, in addition to securing permission to enroll from the course instructor.

POLS 401. Data Analysis I. 3 or 4 hours.
Statistical inference for the social sciences. Emphasis on univariate and bivariate statistics. Course Information: Same as PPA 401. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): POLS 200 and POLS 201; or graduate standing.

POLS 402. Political Science Data Collection, Wrangling and Visualization. 3 or 4 hours.
Collecting original data using tools typical for Political Science, including web scrapping, data from APIs, Qualtrics, and content analysis of documents. Cleaning data using Excel and R. Wrangling and transforming data. Data visualization. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of B or better in POLS 200 and Grade of B or better in POLS 201; or graduate standing; or consent of the instructor. Undergraduate students seeking to enroll in this course should have experience with data entry.

POLS 405. The Problem of Justice. 3 or 4 hours.
Pre-modern, modern and non-western views of justice and their practical utility in analyzing legislative, executive, and judicial programs for enhancing or restricting justice. Course Information: Same as CLJ 405. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): CLJ 101, plus two 200-level courses in CLJ or two 200-level courses in POLS.

POLS 451. Law and Public Policy. 3 or 4 hours.
The role of law and legal institutions in the development and implementation of public policies. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Consent of the instructor.

POLS 459. Advanced Topics in Urban Politics. 3 or 4 hours.
Seminar exploring urban politics theory through readings, discussion, and original research. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): POLS 210; or graduate standing; or consent of the instructor.

POLS 465. Topics in Sociology of Politics. 3 or 4 hours.
Intensive examination of a specialized topic announced when the class is scheduled. Course Information: Same as SOC 465. 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): 6 hours of upper-division sociology or consent of the instructor.

POLS 467. Public Opinion and Political Communication. 3 or 4 hours.
Nature of public opinion and political communication systems. Patterns of opinion distribution and its measurement. Forces shaping public opinion and its impact on public policy. Course Information: Same as COMM 467. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): POLS 200 or the equivalent or consent of the instructor.

POLS 469. Advanced Topics in American Politics. 3 or 4 hours.
Seminar exploring American politics theory through readings, discussion, and original research. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Grade of B or better in POLS 101 and Grade of B or better in POLS 329; or graduate standing; or consent of the instructor.

POLS 478. Advanced Topics in International Relations. 3 or 4 hours.
Seminar exploring international relations theory through readings, discussion, and original research. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Grade of B or better in POLS 184; and Grade of B or better in POLS 281 or Grade of B or better in POLS 283 or Grade of B or better in POLS 284; or graduate standing; or consent of the instructor.

POLS 479. Advanced Topics in Comparative Politics. 3 or 4 hours.
Seminar exploring comparative politics theory through readings, discussion, and original research. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Grade of B or better in POLS 130 and Grade of B or better in POLS 349; or graduate standing; or consent of the instructor.

POLS 482. Theories of Democracy and Representation. 3 or 4 hours.
Democracy as a procedure of government and value commitments associated with this form of government. Special attention paid to classical and modern democracies. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Graduate standing or consent of the instructor.

PSCH 303. Writing in Psychology. 3 hours.
Teaches students the fundamentals of scientific writing including literature reviews, research reports and book reviews. Students will write a minimum of three papers dealing with psychological topics. Course Information: Prerequisite(s): PSCH 242 and ENGL 161 with a minimum grade of C; MATH 118 (or the equivalent) with a minimum grade of C or MATH 090; or consent of the instructor. For psychology majors only. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PSCH 312. Social Psychology. 3 hours.
Survey of theory and research in social psychology, emphasizing experimental investigations of attitudes and social cognition, and interpersonal relations and group processes. Course Information: Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 313. Laboratory in Social Psychology. 3 hours.
Conduct laboratory and field experiments in social psychology on problems in attitudes and social cognition, and interpersonal relations and group processes. Course Information: Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 312. For Psychology majors only. Class Schedule Information: To be properly registered, students must be enrolled in one Lecture/Discussion and one Laboratory.

PSCH 315. Psychology of Women and Gender. 3 hours.
Critical examination of research on women and gender across the life span, including psychological aspects of reproduction, and the way that gender shapes cognition, sexuality, family, friendship, and work experiences. Course Information: Same as GWS 315. Prerequisite(s): Grade of C or better in PSCH 242 or consent of the instructor.

PSCH 320. Developmental Psychology. 3 hours.
Analysis of research and theory concerning social, cognitive, and biopsychological aspects of human development. Course Information: Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 321. Laboratory in Developmental Psychology. 3 hours.
Survey of dominant research strategies in contemporary developmental psychology. Laboratory experience in developmental research. Course Information: Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 320. For Psychology majors only. Class Schedule Information: To be properly registered, students must enroll in one Lecture/Discussion and one Laboratory.

PSCH 324. Cultural Psychology. 3 hours.
A survey of theory, methods, and research in culture and psychology. Examination of how culture is defined and studied and how it affects development, socialization, personality, interpersonal relations, and mental health. Course Information: Prerequisite(s): PSCH 100 and Grade of C or better in PSCH 242.

PSCH 331. Laboratory in Community and Prevention Research. 3 hours.
Examines how researchers conceptualize, design, implement, and evaluate school and community programs to enhance competence, promote empowerment, and prevent behavioral problems. Course Information: Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 231. For Psychology majors only. Class Schedule Information: To be properly registered, students must enroll in one Lecture/Discussion and one Laboratory.

PSCH 333. Laboratory in Clinical Psychology. 3 hours.
Laboratory practicum in self-change processes, empirically validated treatments, experimental psychopathology, and clinical assessment development. Course Information: Extensive computer use required. Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 210 or PSCH 270. For Psychology majors only. Class Schedule: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

PSCH 340. Psychological Testing. 3 hours.
Introduction to principles of psychological assessment, with an overview of representative techniques. Particular emphasis is placed on objective tests. Course Information: Consult the class schedule for details on method of instruction for this course. Course taught in an online or hybrid format involves heavy computer usage; computer and internet access are required. Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 343. Statistical Methods in Behavioral Science. 4 hours.
Introduction to statistical inference, probability distributions, sampling, hypothesis testing, correlation and analysis of variance. Course Information: Credit is not given for PSCH 343 if the student has credit for IDS 371. Consult the class schedule for details on method of instruction for this course. Course taught in an online or hybrid format involves heavy computer usage; computer and internet access are required. Prerequisite(s): PSCH 242 and ENGL 161 with a minimum grade of C; MATH 105 (or the equivalent) with a minimum grade of C or satisfactory completion of Math 090. For psychology majors or students in the Neuroscience degree program only. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PSCH 350. Sensation and Perception. 3 hours.
Survey of theories and empirical findings in the study of sensation and perception. Emphasis on human vision and audition as information processing systems. Course Information: Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 351. Laboratory in Perception. 3 hours.
Laboratory practicum in sensation and perception. Course Information: Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 350. For psychology majors or students in the neuroscience degree program only. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

PSCH 352. Cognition and Memory. 3 hours.
Survey of experimental findings in human learning, memory, attention, knowledge representation, problem solving, conceptual behavior, and psycholinguistics. Course Information: Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 353. Laboratory in Cognition and Memory. 3 hours.
Laboratory practicum in memory, psycholinguistics, problem solving, and reasoning. Course Information: Prerequisite(s): PSCH 343 and credit or concurrent registration in PSCH 352. For psychology majors or students in the neuroscience degree program only. Class Schedule Information: To be properly registered, students must enroll in one Lecture/Discussion and one Laboratory.

PSCH 354. Knowledge Acquisition. 3 hours.
Introduction to belief formation, conceptual change, cognitive development, discovery and invention, schema abstraction, skill acquisition and other cognitive change processes. Research and practical applications. Course Information: Prerequisite(s): Grade of C or better in PSCH 242.

PSCH 415. Social Bases of Health Behavior. 3 hours.
Psychological theory and research concerning the coronary-prone personality, pain management, controlling adherence to medical regimens, biofeedback, smoking, and weight control. Course Information: Prerequisite(s): PSCH 270 and consent of the instructor, or graduate standing.

PSCH 417. Psychology and Law. 3 hours.
Application of psychological theories to the development, operation and effects of law; evaluation of different and similar approaches of law and psychology. Course Information: Prerequisite(s): PSCH 312 or consent of instructor.

PSCH 420. Advanced Social Development of Children in an Urban Context. 3 or 4 hours.
Examines some general principles of children's (3 -14 years old) social development and socialization and the applicability of these principles for urban-dwelling children. Course Information: Same as EPSY 420. 3 undergraduate hours. 4 graduate hours.

PSCH 422. Advanced Developmental Psychology and Educational Processes. 3 hours.
Focuses on cognitive and social development from birth to early adolescence. Examines relations between development, learning, and educational processes. Course Information: Same as ED 422. Prerequisite(s):PSCH 100 and any one from EPSY 210, PSCH 259, PSCH 320 and consent of the instructor; or graduate standing.

PSCH 423. Characteristics of Early Adolescence. 3 hours.
Physiological, social, emotional and cognitive development of early adolescence. The relationship between these developmental characteristics and success in the middle grades. Course Information: Same as EPSY 446. Prerequisite(s): Admission to a program in psychology or education; or approval of the College of Education or consent of the instructor, EPSY 210 or EPSY 255 or ED 421 or ED 422.

PSCH 424. Social and Emotional Learning: Research, Practice, and Policy. 3 or 4 hours.
Research, theory, educational practices, and federal/state policies that promote the social, emotional, and academic competence of students who are in preschool, middle school, or high school. Course Information: Same as ED 424. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): PSCH 343 or equivalent; or consent of the instructor. Recommended background: Experience working with children or adolescents.

PSCH 429. Constructivist Approaches to Development: Piaget and Vygotsky. 3 hours.
Piaget's and Vygotsky's theories of development of knowledge. Empirical and logico-mathematical forms of knowledge. Thought and action. Thought and language. Course Information: Same as EPSY 429. Prerequisite(s): EPSY 255 or EPSY 426 or ED 422; and senior standing or above; or consent of the instructor.

PSCH 443. Advanced Statistics. 3 hours.
Design and analysis of experiments: between, within factorial and mixed factorial designs and introduction to multiple regression. For students planning research careers or advanced degrees. Course Information: 3 hours. Prerequisite(s): PSCH 343. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

PSCH 459. Cognitive Methods. 3 hours.
Hands-on training in the methods of cognitive psychology, especially computational modeling and the analysis of verbal protocols and other types of trace data. Course Information: Prerequisite(s): Graduate standing or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

PSCH 483. Neuroanatomy. 4 hours.
Organization of the nervous system, with an emphasis on mammals. Course Information: Same as BIOS 483 and NEUS 483. Animals used in instruction. Prerequisite(s): BIOS 272 or BIOS 286 or BIOS 325 or PSCH 262; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

PSCH 484. Neuroscience I. 3 hours.
Neuroscience as an integrative discipline. Neuroanatomy of vertebrates, neural development, cellular neurobiology, action potential mechanisms, synaptic transmission and neuropharmacology. Course Information: Same as BIOS 484 and PHIL 484. Prerequisite(s): BIOS 286 or PSCH 262.

PSCH 485. Neuroscience II. 3 hours.
Integrative neuroscience, including sensory and motor systems; learning, memory, and language; pathology of nervous systems; philosophical perspectives, and modeling. Course Information: Same as BIOS 485 and PHIL 485. Prerequisite(s): BIOS 286 or PSCH 262.

PSCH 494. Special Topics in Psychology. 1-4 hours.
Advanced treatment of an announced topic. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Graduate standing or consent of the instructor.

Public Administration (PA)

Courses

PA 401. Foundations of Public Service. 3 or 4 hours.
Examines political, legal, economic and social environment of public service, internal dynamics of public organizations, relationship between public organizations and external stakeholders, and ethical and moral challenges. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as PA 400. Prerequisite(s): Admission to the MPA program or consent of the instructor.

PA 402. Principles of Data Analysis. 0-4 hours.
Topics and methods of analyzing information relevant to the administration and management of public programs and organizations. Includes causation, univariate statistics, significance testing, correlation, and regression. Course Information: 3 undergraduate hours; 4 graduate hours. Previously listed as PA 407.

PA 403. Economics for Management and Policy. 3 or 4 hours.
Basic economic tools and methods relevant to public admin and current policy: opportunity cost, supply and demand, rational choice, production costs, competition vs monopoly, and economic efficiency versus equity, market failure, and public goods. Course Information: 3 undergraduate hours. 4 graduate hours. Previously listed as PA 410. Prerequisite(s): Appropriate score on the department placement test and graduate standing and admission to the MPA program; or consent of the instructor.

PA 468. Topics in Management and Leadership of Public Organizations. 3 or 4 hours.
Examines management and leadership issues through experiences of current and former public managers, political appointees, elected officials, and other key public leaders. Emphasis on topics from Illinois and Chicago metropolitan region. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Admission to the MPA program or consent of instructor .

PA 470. AI & Machine Learning. 3 or 4 hours.
Introduces students to public sector applications of artificial intelligence and machine learning. It begins with the philosophical foundations of artificial intelligence before introducing students to major frameworks for learning. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Admission to the Master of Public Administration program or consent of the instructor.

PA 490. Field Experience in Public Policy and Administration. 4 hours.
Students work in an organization such as a government agency, community group, or nonprofit organization. Students are required to submit written work and meet with professor on periodic basis to review work experience. Course Information: Same as PPOL 490. Satisfactory/Unsatisfactory grading only. May be repeated. A maximum of 4 hours of credit may be applied to the Master of Public Administration program. Field work required. Students who have no prior work experience in the public or non-profit sectors are strongly recommended to register for this course. Prerequisite(s): Graduate standing required; and admission to the MPA program or consent of the instructor.

PA 494. Special Topics in Public Administration. 3 or 4 hours.
Consideration of timely or enduring issues in public administration not available in regularly offered courses. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 12 hours. Students may register in more than one section per term. Prerequisite(s): Admission to the MPA program or consent of the instructor.

Public Health (PUBH)

Courses

PUBH 100. Health and the Public. 3 hours.
Students will examine both historical and contemporary public health stories focusing on the United States to begin to understand the contexts, systems, professions, tools, and skills associated with the public health enterprise. *Individual and Society course, and US Society course*.

PUBH 105. Foundations for Public Health. 2 hours.
Engages pre-public health students by deepening their knowledge and understanding of careers in the public health arena. Students will develop and refine foundational skills that support successful matriculation into the public health major. Course Information: Satisfactory/Unsatisfactory grading only. Field trips required at a nominal fee. Enrollment will be restricted to first year students in the Public Health - Undecided (Pre-Public Health) program and other Pre-Public Health students by permission of the instructor.

PUBH 110. Public Health and Global Societies. 3 hours.
Introduces students to global public health through an exploration of health challenges from the local population to global society perspectives. Course Information: Field trip required at a nominal fee. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Individual and Society course, and World Cultures course*.

PUBH 120. Public Health and the Study of Disease and Epidemics. 3 hours.
Introduces basic principles surrounding the distribution of disease and epidemics in human populations. Through lectures and field exercises, students will learn fundamentals of epidemiology, the basic science of public health. *Natural World - No Lab course*.

PUBH 194. Introductory Special Topics in Public Health. 1-3 hours.
Introductory analysis of selected public health challenges and issues. Course Information: May be repeated. Students may register in more than one section per term.

PUBH 299. Undergraduate Public Health Study Abroad. 0-18 hours.
Provides credit for foreign study. Student's proposal for study abroad course work must have prior approval of the BA in Public Health Program. Final determination of credit is made upon the student's completion of the study abroad course work. Course Information: May be repeated to a maximum of 36 hours per academic year or 48 hours per calendar year. Prerequisite(s): Consent of the Bachelor of Arts in Public Health Program and the Study Abroad Office.

PUBH 300. Critical Thinking in Public Health. 4 hours.
Designed to prepare students to make reasoned, intelligent decisions about public health matters by learning about and practicing how to think, read, write, and speak critically. Course Information: Prerequisite(s): Admission to the BA in Public Health program.

PUBH 301. Critical Thinking in Public Health II. 2 hours.
Designed to prepare students to make reasoned, intelligent decisions about public health matters by learning about and practicing how to think, read, write, and speak critically. Part two of a two course sequence. Course Information: Prerequisite(s): PUBH 300 and admission to the BA in Public Health program.

PUBH 310. Public Health and Global Citizenship. 3 hours.
Encourages a critical examination of the political, religious, social and economic influences on the continuum of local/global health and the role citizenship plays in advocating for the equitable distribution of health across the planet. Course Information: Prerequisite(s): Admission to the BA in Public Health program. Non-majors who have completed PUBH 110 may enroll with consent of the instructor.

PUBH 320. Ecologies of Health and Modern Life. 3 hours.
Human activity has had an impact on the health of people, animals and environments throughout history. This course uses cross-disciplinary frameworks to examine critical issues in public health that can be traced to the impact of modern life. Course Information: Field trips required at a nominal fee. Prerequisite(s): Admission to the BA in Public Health program or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion.

PUBH 330. Health Equity and Health Disparities. 3 hours.
How and why national and local health disparities in the U.S. occur and for what racial and ethnic groups they are most severe. Course Information: No credit given if the student has credit in SOC 426. Students who completed a version of SOC 426 with a topic other than health disparities may receive credit with permission of the instructor. Prerequisite(s): Admission to the BA in Public Health program or consent of the instructor.

Public Policy (PPOL)

Courses

PPOL 100. Individual Action and Democratic Citizenship. 3 hours.
Seeks to enhance understanding of the role of the individual as democratic citizen in shaping policy issues and outcomes in today's world. Course information: Previously listed as PA 100. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *Individual and Society course*.

PPOL 101. Contemporary Issues in Public Policy. 3 hours.
Examines contemporary policy issues and provides students with the tools to identify and analyze information on the past and current policy making and the role of individual and institutional factors in the policy making process. *Individual and Society course, and US Society course*.

PPOL 105. Programming and Data Analysis for Public Policy I. 3 hours.
Introduces students to key programming skills in Excel and R for data management, data visualization, and descriptive statistical analysis for policy making.

PPOL 196. Special Topics: Public Policy. 3 hours.
Special topics in public policy such as: nonprofit management, racial equity analysis in public administration, deliberative democracy and civic analytics.

PPOL 205. Programming and Data Analysis for Public Policy II. 3 hours.
Provides students with the data, programming, and inferential statistical skills needed to inform basic policy and management decision making. Course Information: Extensive computer use required. Prerequisite(s): PPOL 105.

PPOL 210. Introduction to Public Policy. 3 hours.
Introduces students to public policy and the policy-making process. Course Information: Previously listed PA 210. *US Society course*.

PPOL 212. Evidence-Based Public Policy. 3 hours.
Introduction to theories of the policy process, types of evidence that are used in policy-making, and barriers and criticisms to evidence-based policy-making including policy domains in health, education and the environment. Course Information: *US Society course*.

PPOL 220. Introduction to Civic Technology. 3 hours.
Introduces students to smart cities, open data, government transparency, ethics, hacktivism, digital inclusion, civic innovation, and data-driven decision making. *US Society course*.

PPOL 230. Nonprofit Organizations and Civil Society. 3 hours.
Introduction to the US nonprofit sector and examines the social, political, and economic impact of these organizations in American society from roughly 1870 to today. Historical emphasis on events that have shaped the modern American nonprofit sector. Course Information: Previously listed as PA 230. *Past course, and US Society course*.

PPOL 231. Social Policy and Inequality in the U.S. 3 hours.
Provides a basic introduction to social policy and inequality in the United States, examines the history of social welfare policies and programs in the US, and explores American cultural values and attitudes. Course Information: Previously listed as PA 231. *US Society course*.

PPOL 232. International Development Policy. 3 hours.
Provides a basic introduction to globalization and international development, and how public policy can shape and address them. Course Information: Previously listed as PA 232. *Individual and Society course, and World Cultures course*.

PPOL 240. Environmental Policy. 3 hours.
Provides an introduction to political, economic and social dimensions of environmental policy and teaches methods needed to understand, evaluate, design and implement environment policies, especially in the United States. Course Information: Previously listed as PA 240. *US Society course*.

PPOL 296. Special Topics in Public Policy. 3 hours.
Special topics in public policy such as: nonprofit management, racial equity analysis in public administration, deliberative democracy and civic analytics.

PPOL 300. Urban Policy and Metropolitan Governance. 3 hours.
Basic structure of the policy process within the urban context including the nature of urban policy, its formulation, evaluation, and implementation. Emphasis on state and local policy development as it relates to urban areas. Course Information: Previously listed as PA 300. Field work required. Prerequisite(s): Admission to the BA in Public Policy or Urban Studies and college-level Microeconomics; or consent of the instructor.

PPOL 302. Policy Analysis II: Applications of Quantitative and Qualitative Methods. 3 hours.
Provides an introduction to the available sources of data and tools for developing and conducting quantitative policy analyses, emphasis will be placed on practical utilization of these resources for the conduct of policy analysis work. Course Information: Prerequisite(s): PPOL 202; and sophomore standing or above.

PPOL 303. Policy Implementation and Management. 3 hours.
Policy implementation, management, organizing, budgeting, finance, leadership, motivation, economic development, accountability, ethics, legal and constitutional foundations. Course Information: Previously listed as PA 303. Prerequisite(s): PPOL 210 and admission to the BA in Public Policy or Urban Studies; or consent of the instructor.

PPOL 305. Policy Analysis. 3 hours.
Policy analysis and approaches to assessing policy problems and alternatives in the U.S. context. Course Information: Previously listed as PA 305. Prerequisite(s): PPOL 210 and admission to the BA in Public Policy or Urban Studies or consent of the instructor.

PPOL 307. Policy Analysis III: Identifying and Developing Alternatives. 3 hours.
Policy analysis and approaches to assessing policy problems and alternatives in the U.S. context. Course Information: Previously listed as PPOL 211. Prerequisite(s): Grade of C or better in ENGL 161; and PPOL 210.

PPOL 309. Public Budgeting and Financial Management. 3 hours.
Government budgeting, financial, management and the reciprocal relationship between government and the economy. Course Information: Same as US 309. Previously listed as PA 309. Prerequisite(s): PPOL 210 and admission to the BA in Public Policy or Urban Studies; or consent of the instructor.

PPOL 330. Introduction to Managing Public and Nonprofit Organizations. 3 hours.
Provides a review of the ethical considerations that arise from the use of data science and technology in the public sector, including location-based services and spatial intelligence. Course Information: Prerequisite(s): PPOL 230.

RES 499. Research Experience. 1-3 hours.
Independent student research experience under the supervision of a faculty member. The faculty member and student will determine a specific, discipline appropriate research project to complete within the semester and submit a written report. Course Information: Extensive computer use required. Prerequisite(s): Consent of the instructor and Department Head.

Religious Studies (RELS)

Courses

RELS 100. Religion in Human Experience. 3 hours.
Introduction to basic questions about religion, focusing on the theological and philosophical ways in which humans have sought to understand faith, transcendence, and the nature of god(s). *Individual and Society course*.

RELS 101. Introduction to World Religions. 3 hours.
A historical survey of the origins and development of several of the world's largest religions, including but not limited to Buddhism, Hinduism, Judaism, Christianity, and Islam. *World Cultures course*.

RELS 106. What Is Religion? 3 hours.
Examination of issues concerning religion, including varying views of the purposes that religions serve, differences between religions, and arguments for the existence of God. Course Information: Same as PHIL 106. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Individual and Society course*.

RELS 117. Understanding the Holocaust. 3 hours.
Examines the Holocaust of European Jewry as the result of antisemitic ideology and the development of modern German political forces; implementation of the Final Solution. Course Information: Same as HIST 117 and JST 117. *Individual and Society course, and Past course*.

RELS 120. Catholic Thought: An Introduction. 3 hours.
Introduction to the main topics, interests, and methods of Catholic thought. Course Information: Same as CST 120. *Past course*.

RELS 121. Introduction to Judaism. 3 hours.
Introduction to the Jewish religion as it has developed from its roots in the Hebrew Bible until today, emphasizing its central texts and concepts. Same as JST 101. *Individual and Society course*.

RELS 122. Minority Perspectives in the Germanic Context. 3 hours.
Investigation of the challenges and/or opportunities of multicultural societies by examining in a socio-historical context texts created by members of Europe's ethnic, religious, and national minorities. Course Information: Same as GER 122 and JST 122. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts course, and World Cultures course*.

RELS 123. Introduction to Yiddish Culture and Literature. 3 hours.
Yiddish culture in Europe and the U.S. in socio-historical context. Focus on the role of Yiddish in conceptions of secular, cultural, religious, national Jewish identities. Course Information: Same as GER 123 and JST 123. No credit toward a major or minor program offered by the Department of Germanic Studies. Lectures, discussion, and readings in English. *Creative Arts course, and World Cultures course*.

RELS 124. Introduction to the Hebrew Bible. 3 hours.
A study of the Five Books of Moses (a.k.a Torah or Pentateuch) within the contexts of the ancient Near East and biblical literature. Course Information: Same as CL 124 and JST 124. Taught in English. *Past course*.

RELS 125. Black Religious Traditions. 3 hours.
Introduction to the religious history of black people in the United States and the diaspora. Examination of religious institutions, the role of religion in black social and political movements, mass rebellions, and revolts. Course Information: Same as BLST 125. *Past course, and US Society course*.

RELS 126. Introduction to Jewish History. 3 hours.
Overview of Jewish history from Biblical times until the present. Topics will range from second Temple Judea and the beginning of the diaspora through 21st-century Jewish life in America and Israel. Course Information: Same as JST 102. *Individual and Society course, and Past course*.

RELS 127. Diaspora, Exile, Genocide: Aspects of the European Jewish Experience in Literature and Film. 3 hours.
Literature and films on European Jewish responses to anti-Semitism and persecution in a historical context to reveal the condition of post-Enlightenment German-speaking Jewish and Yiddish-speaking societies. Course Information: Same as GER 125 and JST 125. No credit toward a major or minor program offered by the Department of Germanic Studies. Taught in English. *Past course, and World Cultures course*.

RELS 128. The Jesus Movement and the New Testament. 3 hours.
Investigates the Jesus movement from its beginnings as a small Jewish reform sect through its development into the religion known as Christianity. Uses New Testament writings as primary sources for reconstructing the past. Course Information: Same as CL 128 and CST 128. *Past course*.

RELS 130. Introduction to Islam. 3 hours.
Introductory study of the religion, culture, and present variety of Islam in Islamic countries and in the West. *World Cultures course*.

RELS 150. Catholicism in U.S. History. 3 hours.
The Catholic experience in the United States from its colonial origins to the present. Course Information: Same as CST 150 and HIST 150. *US Society course*.

RELS 175. Understanding the Bible as Literature. 3 hours.
A broad overview of various literary genres in the Bible such as origin narrative, historical narrative, poetry, wisdom literature, prophetic/ apocalyptic literature, parable, and epistle. Course Information: Same as ENGL 175. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion. *Creative Arts course*.

RELS 177. Middle Eastern Civilization. 3 hours.
Introduction to the culture and society of the Middle East, with special attention to the development of Islam and the consequences of westernization. Course Information: Same as HIST 177. Course is offered in both face-to-face and hybrid/ online formats. Check the class schedule for details. When taught online or hybrid, students will be required to have reliable internet access and a means for accessing it (computer preferable). Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Past course, and World Cultures course*.

RELS 208. Classical Mythology. 3 hours.
Intensive study of the gods and heroic sagas of the cultures of the ancient Mediterranean world, through original sources in translation. Course Information: Same as CL 208. All readings are in English. *Individual and Society course, and Past course*.

RELS 295. Topics in Catholic Thought. 3 hours.
Critical investigation of a topic or topics central to the development of Catholic thought, carried on by study of its proponents and opponents. Topics will vary. Course Information: Same as CST 295. May be repeated if topics vary.

RELS 296. Topics in Jewish Studies. 3 hours.
How Jews became a modern ethnic group, how their experiences compare with other ethnic groups, and how their experiences in modern times vary from nation to nation. Course Information: Same as JST 296. May be repeated to a maximum of 6 hours.

RELS 311. Gender and Sexuality in Early Christianity and Judaism. 3 hours.
Examination of the root of contemporary perspectives on gender and sexuality in the early traditions of Judaism and Christianity including the Bible, the Epic of Gilgamesh, the Church Fathers, the Talmud, and legends of the saints. Course Information: Same as GWS 311 and JST 311.

RELS 376. Literature and Religion. 3 hours.
Studies in the relation of literature to doctrines, imagery, practices, experiences, or history of one or more religious traditions. Course Information: Same as ENGL 376. Previously listed as RELS 343. Recommended background: Any of ENGL 101, 105, 175, or 207-209.

RELS 392. Major Problems in Religious Studies. 3 hours.
In-depth examination of a major topic or problem in religious thought. Topics will vary. Course Information: May be repeated if topics vary. Prerequisite(s): At least one course in religious studies.

RELS 394. Topics in Catholic History and Culture. 3 hours.
Exploration of various topics in Catholic history and culture. Course Information: Same as CST 394 and HIST 394. Prerequisite(s): One course in history or Catholic studies; or consent of the instructor.

RELS 395. Topics in Jewish Studies. 3 hours.
Selected topics in Jewish culture and history. Course Information: Same as JST 394. May be repeated to a maximum of 9 hours. Students may register in more than one section per term. Prerequisite(s): Consent of the instructor.

RELS 399. Independent Study. 1-3 hours.
Selected topics for individual study. Course Information: May be repeated to a maximum of 6 hours. Students may register in more than one section per term. Prerequisite(s): Sophomore standing or above; and consent of the instructor. Recommended Background: Two courses in religious studies.

RELS 420. Advanced Studies in Jewish Religion. 3 or 4 hours.
In-depth study of a period or mode of Jewish religious development or textual production, or an examination of a religious tenet or practice across various historical periods. Topics will vary.Course Information: Same as JST 420. 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s) if topics vary. Prerequisite(s): JST 101; and JST 230 or JST 242 or JST 254.

RELS 422. Studies in Medieval Philosophy. 0-4 hours.
Study of selected philosophers such as Boethius, Avicenna, Aquinas, William Ockham, and selected issues such as the relationship between faith and reason, the nature of reason, the nature of human cognition, the nature of morality. Course Information: Same as PHIL 422. 3 undergraduate hours. 4 graduate hours. May be repeated if topics or figures vary. Approval to repeat course granted by the department. Prerequisite(s): One non-logic 200-level philosophy course; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture.

RELS 430. Advanced Studies in Jewish Thought. 3 or 4 hours.
Advanced topics in Jewish theology, philosophy, ethics or political thought. Course Information: Same as JST 430. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): One 100-level and one 200-level course in Jewish Studies.

RELS 441. Topics in Philosophy of Religion. 3 or 4 hours.
Intensive study of one or more selected topics concerning the philosophical aspects of basic religious beliefs and concepts. Course Information: Same as PHIL 441. 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Approval to repeat course granted by the department. Prerequisite(s): One non-logic 200-level course in philosophy; or consent of the instructor.

RELS 446. Race, Ethnicity, and Gender in American Religion. 3 or 4 hours.
Religious institutions in the U.S. as a crucible for racial, ethnic, and gender identities, group formation, and intergroup relations; major world religions represented in the U.S. Course Information: Same as SOC 446. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 100 and junior standing or above; or consent of instructor.

RELS 475. The Bible as Literature: Hebrew Bible. 3 or 4 hours.
Literary analysis of genres and themes of the Hebrew Bible and close reading of the biblical texts. Sources of the Bible and their historical context. Course Information: Same as ENGL 475 and JST 475. 3 undergraduate hours. 4 graduate hours. Previously listed as RELS 478. Taught in English. Recommended background: Any of ENGL 175 or ENGL 207-209.

RELS 476. The Bible as Literature: New Testament. 3 or 4 hours.
Literary analysis of the New Testament and its historical and religious contexts, focusing on the gospels and Pauline letters. Course Information: Same as ENGL 476. 3 undergraduate hours. 4 graduate hours. Previously listed as RELS 479. Recommended background: Any of ENGL 175, 207-209, 475.

RELS 494. Topics in Jewish Studies. 3 or 4 hours.
Selected topics in Jewish studies. Course Information: Same as JST 494. 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 6 hours if topics vary. Prerequisite(s): JST 101 or JST 102 or consent of the instructor.

RELS 495. Topics in Religious History. 3 or 4 hours.
Specific topics are announced each term. Course Information: Same as HIST 495. 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): 3 hours of history or consent of the instructor.

Russian (RUSS)

Courses

RUSS 101. Elementary Russian I. 4 hours.
Basics of Russian grammar and vocabulary. Reading and discussing the culture and modern life of Russia. Course Information: Taught in a blended format. Internet access is required. A high-speed connection is strongly recommended. Prerequisite(s): For students who have had no formal work in Russian.

RUSS 102. Elementary Russian II. 4 hours.
Continues RUSS 101. Course Information: This class is taught in a blended format. Internet access is required. A high-speed connection is strongly recommended. Prerequisite(s): RUSS 101; or appropriate score on the department placement test.

RUSS 399. Independent Study. 1-3 hours.
Investigation of special problems under the general direction of a staff member. Course Information: May be repeated to a maximum of 6 hours. Prerequisite(s): Junior standing, consent of the instructor and the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

RUSS 410. Structure of Modern Russian. 3 or 4 hours.
Introduction to Russian morphology and phonology. Examination of the Russian language as a system with particular attention to verb conjugation and noun declension, with the goal of improving students' practical language skills. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): RUSS 201; and credit or concurrent registration in RUSS 202; or consent of the instructor.

RUSS 440. Topics in Russian Culture and Cultural Studies. 3 or 4 hours.
Exploration of various topics in Russian culture through an interdisciplinary prism, addressing intersections between visual and verbal arts as well as high and popular culture. Content varies.Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated to a maximum of 6 hours for undergraduate students or 8 hours for graduate students, if topics vary, and with consent of the instructor. Taught in English. All texts are available in English. Students pursuing a major or minor in Russian, or an MA or PhD in Slavic Studies, will be required to read primary texts in the target language. Prerequisite(s): Junior standing or above; or consent of the instructor.

RUSS 460. Topics in Russian Literature. 3 or 4 hours.
Study of a major author, movement, genre, or special topic. Content varies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 2 time(s) if topics vary. Taught in English. Prerequisite(s): Consent of the instructor Junior, senior, or graduate standing. Or consent of the instructor.

RUSS 499. Independent Study. 1-4 hours.
Investigation of special problems under the general direction of a staff member. Course Information: May be repeated to a maximum of 8 hours. Graduate students may register for more than one section per term. Prerequisite(s): Senior or graduate standing, consent of the instructor and the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

Slavic and Baltic Languages and Literatures (SLAV)

Courses

SLAV 460. Topics in Central and Eastern European Literature and Culture. 3 or 4 hours.
Study of a time period, movement, genre, or special topic. Course Information: 3 undergraduate hours. 4 graduate hours. Same as CEES 460. May be repeated up to 2 time(s), with consent of the instructor, and if topics vary. Prerequisite(s): Junior standing or above; or consent of the instructor.

SLAV 499. Independent Study. 1-4 hours.
Investigation of special problems under the general direction of a staff member. Course Information: May be repeated to a maximum of 8 hours. Graduate students may register for more than one section per term. Prerequisite(s): Senior or graduate standing, consent of the instructor and the head of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

Social Justice (SJ)

Courses

SJ 101. Introduction to Social Justice: Stories and Struggles. 3 hours.
Introduction to the study of social justice through personal narrative, memoir, and biographies of individuals engaged in social and political change. The linkages between individual and broader social and political struggles. *Individual and Society course*.

SJ 201. Theories and Practices of Social Justice. 3 hours.
Critical exploration of major theories of social justice, histories of major social justice movements, and theories and analyses of injustice that ignited these movements. Course Information: Prerequisite(s): ENGL 160. *US Society course*.

SJ 294. Topics in Social Justice. 1-3 hours.
Study of a problem, topic, or issue relevant to the interdisciplinary area of Social Justice. Content Varies. Course Information: May be repeated for a maximum of 9 hours. Recommended Background: SJ 101.

SJ 301. Social Justice Capstone. 4 hours.
Interdisciplinary exploration of community engagement through a combination of academic course work and service learning activity that examines dynamics of social justice work and organizing practices. Course Information: Field work required. Requires 40 hours of service learning over the semester.Prerequisite(s): SJ 101 and SJ 201. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

Sociology (SOC)

Courses

SOC 100. Introduction to Sociology. 3 hours.
Analysis of human societies, organizations and groups, and the interrelations among individuals, groups, and societies. Class Schedule Information: To be properly registered, students must enroll in one Discussion/Recitation and one Lecture-Discussion. *Individual and Society course, and US Society course*.

SOC 105. Social Problems. 3 hours.
Contemporary social problems examined from the perspectives of social institutions, culture, inequality, organizations and groups, political and economic structure, social change, and social policy. Course Information: May be substituted for SOC 100 as a prerequisite for other sociology courses. *Individual and Society course, and US Society course*.

SOC 120. Introduction to Asian American Studies. 3 hours.
Overview of Asian American experiences and perspectives in socio-historical context. Introduction to major concepts, issues, and debates in the field of Asian American Studies. Course Information: Same as GLAS 120. Previously listed as SOC 125. Class Schedule Information: To be properly registered, students must enroll in one Discussion and one Lecture. *Individual and Society course, and US Society course*.

SOC 271. Race and the Politics of Incarceration. 3 hours.
Examines how incarceration and criminalization affects black people in contemporary society. Course Information: Same as BLST 271 and CLJ 271. Prerequisite(s): Grade of C or better or concurrent registration in BLST 100 or Grade of C or better or concurrent registration in SOC 100 or Grade of C or better in CLJ 101. *Individual and Society course, and US Society course*.

SOC 276. Urban Sociology. 3 hours.
Examination of the history, patterns, and consequences of urban places and life in those places. Course Information: Prerequisite(s): SOC 100. *Individual and Society course, and US Society course*.

SOC 280. Data and Society. 3 hours.
Examines how data changes society and how those changes differ by social group. Learn how data-driven products and services obtain data, and how those products/services use that data. Includes data science lab to explore and visualize data using R. Course Information: Extensive computer use required. Prerequisite(s): SOC 100. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Laboratory.

SOC 285. Politics, Algorithms and People. 3 hours.
Political and digital lives have become intertwined with the importance of social media, social media activism, and politics. Explores political agency and political sociology in a digitized society.

SOC 290. Sociology Major Orientation and Success. 2 hours.
Introduces sociology majors to issues relevant to academic success and orients them to the UIC sociology department's intellectual life, resources and opportunities. Emphasis on exploring sociological interests and career paths. Course Information: Satisfactory/Unsatisfactory grading only. Students are advised to enroll in the course within one or two semesters after declaring the major. Prerequisite(s): SOC 100 or SOC 105; or consent of the instructor.

SOC 296. Supervised Study or Research. 1-3 hours.
Special projects arranged in advance by faculty or student initiative. Course Information: May be repeated to a maximum of 9 hours with approval. Students may register in more than one section per term. Approval to repeat course granted by the department. Prerequisite(s): 9 hours of sociology, consent of the instructor, and approval of the department prior to registration. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

SOC 298. Internship in Sociological Applications. 3 hours.
Placement in a university or external organization where students participate in a project using sociological skills under the direction of a field supervisor. Course Information: Prerequisite(s): SOC 201 and SOC 202; and approval of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

SOC 300. Introduction to Sociological Research Methods. 4 hours.
Survey of the principal methods of social research; problem and concept formation, research design, sampling reliability, internal and external validity, control of alternative explanations, ethical responsibilities of researchers. Course Information: Previously listed as SOC 202. Prerequisite(s): SOC 201; and sophomore standing or above; or Soc 201 and one additional 200-level course in sociology. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

SOC 385. Introduction to Sociological Theory. 3 hours.
A survey of the major approaches to explaining social pheomena drawn from representative nineteenth and twentieth-century social theorists. Emphasis on present-day applicability of these approaches. Course Information: Prerequisite(s): Sophomore standing or above and two 200-level elective courses in sociology or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion.

SOC 401. Sociological Statistics. 4 hours.
Descriptive and inferential statistics for graduate and advanced undergraduate sociology majors and related fields. Tests of means, regression, correlation, analysis of variance, and related topics. Course Information: Prerequisite(s): SOC 201 and two additional 200-level sociology electives; or graduate standing or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

SOC 402. Intermediate Sociological Statistics. 4 hours.
Covers general linear models emphasizing regression, analysis of variance and covariance, simple structural equation models, simple categorical methods and elementary matrix algebra. Course Information: Prerequisite(s): SOC 401. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

SOC 405. Writing in the Social Sciences. 3 or 4 hours.
Leads to effective, clear writing for a social science audience. Teaches how to organize ideas, avoid tiresome jargon, and write with precision. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): 6 hours of upper-division social science courses.

SOC 407. Seminar in Comparative Racialization. 3 or 4 hours.
Provides an interdisciplinary and comparative approach to the making and remaking of "race" and the resultant racialized experiences of different groups in the U.S. and globally. Course Information: Same as BLST 407. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): BLST 207 or SOC 207 or BLST 225 or SOC 225 or LALS 225; and senior standing or above; or consent of the instructor.

SOC 409. Senior Research Practicum. 3 hours.
Provides students with an opportunity to conduct their own sociological research. Over the course of the semester, students will refine a research question, gather and analyze data, and draft an academic paper based on their results. Course Information: Prerequisite(s): Credit or concurrent registration in SOC 201 and SOC 300; and Sociology majors in their final year of undergraduate study; and consent of the instructor.

SOC 424. Sociology of Gender. 3 or 4 hours.
Variety and change in gender roles; patterns and consequences of gender inequality; gender and sexuality; gender and social institutions such as family, economy. Course Information: Same as GWS 425. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 224, or any 100 or 200-level GWS course and an additional 200 or 300-level elective in sociology or gender and women studies; Junior standing or above; or graduate standing; or consent of the instructor.

SOC 425. Race and Ethnicity. 3 or 4 hours.
Critical examination of the conceptual frameworks and empirical findings in the study of race and ethnicity. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 225 an additional 200- or 300- level elective in Sociology; or consent of the instructor.

SOC 485. Classical Social Theory. 3 or 4 hours.
Survey and analysis of classical European and American social theory. Examination of how theorists such as Marx, Weber, Durkheim, Veblen and Park defined and described society within their own social contexts and how we derive meaning from these theories. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 385; and senior standing or above; or consent of the instructor.

SOC 487. Current Social Theory. 3 or 4 hours.
Review and evaluation of major currents in sociological theory since the 1940s. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): SOC 385; and senior standing or above; or consent of the instructor.

SOC 490. Igniting Sociological Futures: Senior Capstone Experience. 4 hours.
Focuses on sociological concepts, competencies and complete a hands-on experience with a community organization while developing a professional portfolio highlighting their accomplishments and preparing them for their professional and educational goals. Course Information: Previously listed at SOC 400. Field work required. Prerequisite(s): SOC 300 and SOC 385; and senior standing or above; and one 400-level elective in sociology; and consent of the instructor. Enrollment is restricted to sociology majors in their last year of study. Class Schedule information: To be properly registered, students must enroll in one Lecture and one Discussion.

SOC 496. Independent Study or Research. 1-9 hours.
Extensive readings in specialized areas of sociology or empirical research for advanced undergraduate or graduate students. Course Information: May be repeated with approval. Students may register in more than one section per term. Approval to repeat course granted by the department. Undergraduate students may repeat course for maximum of 9 hours of credit. Prerequisite(s): 18 hours of sociology, excluding SOC 296 and SOC 299, consent of the instructor, and approval of the department. Class Schedule Information: This course counts toward the limited number of independent study hours accepted toward the degree and the major.

SOC 499. Senior Thesis. 1-4 hours.
Individual study for students working on a senior thesis under the supervision of a faculty advisor. This course is required for students graduating with highest departmental distinction. Course Information: May be repeated to a maximum of 8 hours, with approval of the department. Students may register for more than one section per term. Previously listed as SOC 299. Prerequisite(s): SOC 490; and senior standing or above; and consent of the instructor.

Spanish (SPAN)

Courses

SPAN 101. Elementary Spanish I. 4 hours.
First course in the four-semester program where students learn Spanish through real-world tasks. The purpose is to learn Spanish in order to use it beyond the classroom in meaningful and authentic ways and the Novice-mid level of proficiency. Course Information: Extensive computer use required. Field work required. Class is taught in Spanish, at a level appropriate for the course; the main purpose is not grammar learning. Course includes: regular in-classroom interactions, substantial reading and listening tasks for homework, regular class presentations, and one exploratory visit to a Hispanic neighborhood in Chicago. One credit hour takes place online, plus homework. Prerequisite(s): Appropriate score on the department placement test.

SPAN 102. Elementary Spanish II. 4 hours.
Second course in the four-semester program where students learn Spanish through real-world tasks. The purpose is to learn Spanish in order to use it beyond the classroom in meaningful and authentic ways and at the novice-high level of proficiency. Course Information: Extensive computer use required. Field work required. Class is taught in Spanish, at a level appropriate for the course; the main purpose is not grammar learning. Course includes: regular in-classroom interactions, substantial reading and listening tasks for homework, regular class presentations, and one exploratory visit to a Hispanic neighborhood in Chicago. One credit hour takes place online, plus homework. Prerequisite(s): SPAN 101; or appropriate score on the department placement test.

SPAN 103. Intermediate Spanish I. 4 hours.
Third course in the four-semester program where students learn Spanish through real-world tasks. The purpose is to learn Spanish for use beyond the classroom in meaningful and authentic ways and at the Intermediate-low level of proficiency. Course Information: Extensive computer use required. Field work required. Class is taught in Spanish, at a level appropriate for the course; the main purpose is not grammar learning. Course includes: regular in-classroom interactions, substantial reading and listening tasks for homework, regular class presentations, and one exploratory visit to a Hispanic neighborhood in Chicago. One credit hour takes place online, plus homework. Prerequisite(s): SPAN 102; or appropriate score on the department placement test.

SPAN 104. Intermediate Spanish II. 4 hours.
Last course in the four-semester program where students learn Spanish through real-world tasks. The purpose is to learn Spanish to use it beyond the classroom in meaningful and authentic ways and at the Intermediate-mid level of proficiency. Course Information: Extensive computer use required. Field work required. Class is taught in Spanish, at a level appropriate for the course; the main purpose is not grammar learning. Course includes: six 30-minute face-to-face interactions with native speakers of Spanish from Latin America and Spain via TalkAbroad; regular in-classroom interactions, substantial reading and listening tasks for homework; regular class presentations; and one exploratory visit to a Hispanic neighborhood in Chicago. One credit hour takes place online, plus homework. Prerequisite(s): SPAN 103; or appropriate score on the department placement test.

SPAN 113. Spanish for Heritage Speakers I. 4 hours.
Introduction to reading and writing for students who already possess basic to intermediate communicative skills in the language. Content focuses on the Latino experience in the U.S. Emphasis on critical language awareness. Course Information: Extensive computer use required. Class is taught entirely in Spanish. One credit hour takes place online, plus homework. Use of a computer and internet access is required. Prerequisite(s): Appropriate score on the department placement test or the equivalent AP or IB test score.

SPAN 114. Spanish for Heritage Speakers II. 4 hours.
Reading and writing for students who already possess advanced communicative skills in the language. Content focuses on the Latino experience in the U.S. Emphasis on critical language awareness. Course Information: Extensive computer use required. Class is taught entirely in Spanish. One credit hour takes place online, plus homework. Use of a computer and internet access is required. Prerequisite(s): Appropriate score on the department placement test; or the equivalent AP or IB test score; or successful completion of Spanish 113.

SPAN 230. Civilization and Culture of Spain. 3 hours.
Historical, social, and cultural aspects of Spanish civilization. Course Information: Taught in Spanish. Prerequisite(s): Credit or concurrent registration in SPAN 203 or credit or concurrent registration in SPAN 204.

SPAN 231. Civilization and Culture of Latin America. 3 hours.
Historical, social, and cultural aspects of Latin American civilization. Course Information: Taught in Spanish. Prerequisite(s): Credit or concurrent registration in SPAN 203 or Credit or concurrent registration in SPAN 204.

SPAN 278. Latin American/Latino Film Studies. 4 hours.
Introduction to the history and major aesthetic movements of Latin American cinema. Course Information: Same as LALS 278 and MOVI 278. Taught in English. Includes a film screening component. Prerequisite(s): Grade of C or better in LALS 101 or Grade of C or better in LALS 102 or Grade of C or better in LALS 109 or Grade of C or better in LALS 110; and sophomore standing or above; or consent of the instructor; or a grade of C or better in any film course. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Discussion. *Creative Arts course, and World Cultures course*.

SPAN 295. Latino Literary Studies. 3 hours.
Major trends, genres, works, themes, and writers related to Latino history and culture, mainstream and minority U.S., Latin American and third world literatures. Course Information: Same as ENGL 295 and LALS 295. *Creative Arts course, and US Society course*.

SPAN 302. Exploring Spanish Grammar. 3 hours.
Explores advanced topics in Spanish grammar from a linguistic perspective. Topics range from the noun phrase to complex sentence structure. Course Information: Prerequisite(s): Grade of C or better in SPAN 202.

SPAN 303. Advanced Oral Presentation, Writing, and Analysis. 3 hours.
Advanced instruction in linguistic, rhetorical, organizational, and analytical skills in Spanish composition. Further development of reading and critical thinking skills in Spanish. Course Information: Prerequisite(s): Grade of C or better in SPAN 203 or Grade of C or better in SPAN 204; and completion of the university writing requirement.

SPAN 304. Introduction to Spanish Creative Writing for Heritage Speakers. 3 hours.
Exploration of writing tools through analysis of Spanish literary texts and through creative writing exercises. Course Information: Same as LALS 304. This course may not be used to satisfy the prerequisite for ENGL 490, ENGL 491, or ENGL 492. Extensive computer use required. This course is intended for heritage students, but may be taken by students demonstrating near-native writing proficiency with the permission of the course instructor. Prerequisite(s): Grade of C or better in SPAN 204; or consent of the instructor. Recommended background: Grade of C or better in SPAN 210.

SPAN 320. Spanish for Business and Law II. 3 hours.
Enhances students' ability to function effectively in legal and business contexts by building and improving their vocabulary and communication skills for these contexts. Course Information: Prerequisite(s): Grade of C or better in SPAN 220; and completion of the university writing requirement; and sophomore standing or above. Recommended background: Grade of C or better or concurrent registration in SPAN 203 or Grade of C or better or concurrent registration in SPAN 204.

SPAN 321. Spanish for Health Personnel II. 3 hours.
Further develops students' communicative competence, grammar, and vocabulary in Spanish for the medical and health fields. Course Information: Prerequisite(s): Grade of C or better in SPAN 221; and sophomore standing or above. Recommended background: Grade of C or better or concurrent registration in SPAN 203 or Grade of C or better or concurrent registration in SPAN 204.

SPAN 328. Advanced Translation. 3 hours.
The translation of specialized texts from the source language into the target language. Focus on legal, commercial and health related vocabulary and concepts. Some translation of literary texts may be included to expand students' cultural knowledge. Course Information: Prerequisite(s): Grade of C or better in SPAN 220 or Grade of C or better in SPAN 221 or Grade of C or better in SPAN 228; and sophomore standing or above; or consent of the instructor.

SPAN 360. Study Abroad. 0-18 hours.
Subjects taken in a variety of areas while studying abroad in Spain, or Central or South America during the student¿s sophomore, junior or senior year of study at UIC. Course Information: May be repeated. Prerequisite(s): Approval of the Department. Recommended background: SPAN 104 or SPAN 114.

SPAN 361. The Structure of Spanish. 3 hours.
Introduction to the formal study of the syntax of Spanish, from the combination of words into phrases to the combination of phrases into sentences. Course Information: Prerequisite(s): Grade of C or better in SPAN 206 or LING 150; and consent of the instructor; and sophomore standing or above.

SPAN 362. Sounds of Spanish. 3 hours.
Introduction to the phonetic system of Spanish and its variation throughout the Spanish-speaking world via phonetic transcription, acoustic analysis, and phonological analysis of data. Course Information: Previously listed as SPAN 205. Prerequisite(s): Grade of C or better in SPAN 206 or LING 150; and consent of the instructor; and sophomore standing or above.

SPAN 363. Spanish in Society. 3 hours.
Investigation of the role of language in society or of society in language with a focus on Spanish and issues of Latinos. Sociolinguistics investigates aspects of language structure and use. Course Information: Prerequisite(s): Grade of C or better in SPAN 206 or LING 150; and consent of the instructor; and sophomore standing or above.

SPAN 364. Acquisition of Spanish. 3 hours.
Examination of the psychological and social aspects of the acquisition of Spanish as a first language, a second language, and in bilingual contexts. Prerequisite(s): Grade of C or better in SPAN 206; and sophomore standing or above.

SPAN 365. Meaning in Language. 3 hours.
Introduction to the study of both literal meaning and meaning in context in human language. Course Information: Prerequisite(s): Grade of C or better in SPAN 206 or LING 150; and consent of the instructor; and sophomore standing or above.

SPAN 366. Current Topics in Spanish Linguistics. 3 hours.
Topics will reflect the general agenda of linguistics. May cover advanced issues in Phonetics or Phonology, Syntax, Semantics or Pragmatics, SLA or HL Instruction. Course Information: May be repeated to a maximum of 6 hours if topics vary. Prerequisite(s): Grade of C or better in SPAN 206; and sophomore standing or above.

SPAN 422. Topics in 20th and 21st Century Spanish Literature and Culture. 3 or 4 hours.
Exploration of topics; sociological and historical approaches to the literature and culture from the vanguard movements of the early 20th century through the present day. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and completion of two 300-level courses in Spanish literature; or consent of the instructor.

SPAN 427. Studies in Language Policy and Cultural Identity. 3 or 4 hours.
Examines the development, articulation, and effects of language policies on identity formation and culture. Focuses on the United States and the Spanish language, although other countries and languages are included. Course Information: Same as LALS 427. 3 undergraduate hours. 4 graduate hours. Taught in English. Prerequisite(s): Junior standing or above. Reading and writing knowledge of Spanish.

SPAN 430. Topics in Colonial History, Literature and Culture. 3 or 4 hours.
Topics in colonial literature, history and culture intended to introduce students to the main methodologies, paradigms, issues and critical approaches to colonial studies. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and completion of two 300-level courses in Spanish literature; or consent of the intstructor.

SPAN 431. Topics in Latin American Letters from the Revolutionary Era to Independence. 3 or 4 hours.
Nineteenth-century literary trends from the beginnings of the novel through Romanticism and Realism to Urban naturalism. Prose and poetry. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and completion of two 300-level courses in Spanish literature; or consent of the instructor.

SPAN 434. Topics in Latin American Letters from Modernismo to the Early 1970's. 3 or 4 hours.
Emergence of new literary and cultural trends from the beginning of the 20th century to the end of the so-called Latin American Boom. It may include fiction, poetry, film, theater, as well as less traditional genres. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above and completion of two 300-level courses in Spanish literature; or consent of the instructor.

SPAN 435. Topics in Contemporary Urban Latin American and Latino Culture, Literature and the Arts. 3 or 4 hours.
Study of particular cultural, artistic or literary phenomenon in urban Latin American and Latino culture, literature or the arts. Emphasis on cultural studies and/or literary analysis. Critical writing is an important component of the course. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated if topics vary. Prerequisite(s): Junior standing or above for undergraduate students, completion of two 300-level courses in Spanish literature; or consent of the instructor.

SPAN 436. Special Topics in the Teaching of Spanish. 1-4 hours.
Course content is announced prior to each term in which course is given. Course Information: May be repeated. Students may register in more than one section per term. Taught in English. Some semesters, may be taught in Spanish. Prerequisite(s): Approval of the department.

SPAN 440. Theory and Methods in Teaching Heritage Speakers. 3 or 4 hours.
Reviews theories in bilingual development, sociolinguistics, and language teaching in order to understand best practices in and develop coherent materials for teaching heritage language learners. Course Information: 3 undergraduate hours. 4 graduate hours. Course is taught online and internet/computer access is required. Prerequisite(s): Junior standing or above; and consent of the instructor. Recommended background: Credit or concurrent registration in SPAN 363 or Credit or concurrent registration in SPAN 448 or Credit or concurrent registration in SPAN 449.

SPAN 448. Foundations of Second Language Teaching. 3 or 4 hours.
Provides an introduction to second language acquisition research and its implications for communicative language teaching. Emphasis is on creating activities to develop high school students' communicative abilities in speaking and listening. Course Information: Same as FR 448 and GER 448. 3 undergraduate hours. 4 graduate hours. Taught in English. Prerequisite(s): Junior standing or above; and consent of the instructor and three courses at the 200 and 300 levels.

SPAN 449. Teaching Second Language Literacy and Cultural Awareness. 3 or 4 hours.
Examines the nature of literacy as a reciprocal relationship between readers, writers, texts and culture. Students learn the practical and theoretical foundations of classroom teaching of second language reading and writing skills. Course Information: Same as FR 449, and GER 449. 3 undergraduate hours. 4 graduate hours. Taught in English. Prerequisite(s): Junior standing or above; and consent of the instructor and three courses at the 200 and 300 levels.

SPAN 451. Educational Practice with Seminar I. 6 hours.
The first half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPAN 452. Educational Practice with Seminar II. 6 hours.
The second half of a two-segment sequence of practice teaching, including seminar, to meet certification requirements for teaching in grades six through twelve. Course Information: Prerequisite(s): Good academic standing in a teacher education program, completion of 100 clock hours of pre-student-teaching field experiences, credit or concurrent registration in SPAN 451, and approval of the department. Class Schedule Information: To be properly registered, students must enroll in one Conference and one Practice.

SPAN 487. Computer Assisted Language Learning. 3 or 4 hours.
An introduction to computer assisted language learning (CALL): the use of computer technology in second language reading and research. The effectiveness of CALL technology is assessed based on SLA theory and research studies. Course Information: Same as GER 487 and LING 487. 3 undergraduate hours. 4 graduate hours. Taught in English. Extensive computer use required. Prerequisite(s): LING 483 or CIE 483 or GER 448 or FR 448 or SPAN 448 or GER 449 or FR 449 or SPAN 449; or SPAN 502 or FR 502 or the equivalent; and senior standing or above.

SPAN 494. Special Topics. 3 or 4 hours.
Topics will vary from term to term and may cover such areas as literary theory or culture. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. May be taught in English or Spanish. Prerequisite(s): Junior standing or above; and approval of the department.

SPED 448. Topics in Special Education. 1-4 hours.
Course or workshop on preannounced topic on the education of handicapped children, adolescents, or adults. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): SPED 410 and consent of the instructor.

SPED 449. Early Childhood/Early Childhood Special Education: Perspectives, Policies and History. 3 hours.
Perspectives, policies, history, and foundations of Early Childhood Education and Early Childhood Special Education. Emphasis on the effects of changing economic, political, legal, social, and views of human development. Course Information: Same as EPSY 449 and EDPS 449.

SPED 461. Political and Socio-Cultural Perspectives on Special Education. 3 hours.
Students will examine issues of access and equity through legislation, litigation, and socio-cultural perspectives and be introduced to major theoretical frameworks that influence special education programs. Course Information: Same as ED 461. Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPED 462. Assessment of Individuals with Disabilities. 3 hours.
To prepare students in the use of standardized and formative assessment to understand student learning, inform decisions regarding placement, instructional planning, and evaluation of students with disabilities.

SPED 463. Literacy Instruction for Diverse Learners in School. 3 hours.
Emphasizes the components of designing, implementing, and assessing reading and writing instruction for diverse students at the early childhood/elementary level. Course Information: Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPED 465. Understanding Students with High Incidence Disabilities. 3 hours.
Uses major theoretical frameworks of human development to examine the characteristics and development of students with high incidence disabilities, ages 3-21. Course Information: Same as EPSY 465. Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPED 466. Language Development, Diversity, and Disabilities. 3 hours.
Theory and research on language development in children with disabilities, in the context of typical development. Models for language assessment and intervention. Course Information: Same as EPSY 466.

SPED 467. Understanding Students With Low Incidence Disabilities. 3 hours.
Explores characteristics and development of children and youth with low incidence disabilities, ages 3-21, as well as how schools address their instructional needs. Course Information: Same as EPSY 467.

SPED 471. Curricular Adaptations for Learners with Significant Disabilities. 3 hours.
Provides information on the nature and needs of individuals with severe/profound disabilities and the roles of federal, state, and local education agencies play in providing services to this population. Course Information: Field work required. Prerequisite(s): SPED 461 and SPED 465 and SPED 467. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPED 472. Academic and Prosocial Interventions. 3 hours.
Introduces students to the principles and concepts of data-based decision making and individualization with an emphasis on addressing the social, emotional, and behavioral needs of students with disabilities. Course Information: Same as ED 472. Field work required.

SPED 473. Teaching Math and Science with Adaptations. 3 hours.
Provides prospective teachers with assessment strategies and a range of adaptations, modifications, and interventions in math and science for students with disabilities. Course Information: Same as ED 473. Field work required. Prerequisite(s): SPED 461. Course Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

SPED 481. Theoretical Foundations and Issues of Bilingual Special Education. 3 hours.
Theoretical, pedagogical foundations of Bilingual Special Education to provide experienced special educators with research-based knowledge and practices to serve English Language Learners with disabilities. Course Information: Prerequisite(s): Restricted to students seeking LBSII or admission as a doctoral student or consent of the instructor.

SPED 482. Collaborating with Families, Community, and Professionals. 3 hours.
Explores the dynamics of professional collaboration with families, addressing characteristics, structures, and processes of collaboration for children and youth with and without disabilities. Course Information: Same as EPSY 482. Previously listed as SPED 582. Field work required. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

Statistics (STAT)

Courses

STAT 101. Introduction to Statistics. 4 hours.
Applications of statistics in the real world, displaying and describing data, normal curve, regression, probability, statistical inference, confidence intervals and hypothesis tests. Course Information: Credit is not given for STAT 101 if the student has credit for STAT 130. Credit is not given for STAT 101 to students in any major in the Department of Mathematics, Statistics, and Computer Science. Extensive computer use required. This course is offered in both a blended and traditional format. If the section is marked "Blended-Online and Classroom," use of a computer and internet access is required. Blended sections require students to do some of their coursework online. A high-speed connection, while not required, is strongly suggested. Prerequisite(s): Grade S in Math 090 or appropriate score on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture.

STAT 130. Introduction to Statistics for the Life Sciences. 4 hours.
Basic concepts and methods of statistics with illustrations from different areas of the life sciences; graphical and summary representations, probability, random variables, normal distribution, estimation and tests of hypotheses, t, F and chi-square. Course Information: Credit is not given for STAT 130 if the student has credit for STAT 101. Extensive computer use required. Prerequisite(s): Grade of C or better in MATH 110; or appropriate score on the department placement test. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Laboratory-Discussion.

STAT 486. Statistical Consulting. 3 or 4 hours.
Introduction to statistical consulting methods and techniques. Handling and transformation of raw data sets in CMS. Statistical analysis of data sets with SAS and SPSSX. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Grade of C or better in STAT 411 or STAT 481.

STAT 494. Special Topics in Statistics, Probability and Operations Research. 3 or 4 hours.
Course content announced prior to each semester in which it is given. Topics drawn from areas such as distribution theory; Bayesian inference; discrete optimization; applied probability models; resampling techniques; biostatistics; environmental sampling. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the department.

STAT 496. Independent Study. 1-4 hours.
Reading course supervised by a faculty member. Course Information: May be repeated. Students may register in more than one section per term. Prerequisite(s): Approval of the instructor and approval of the department.

Study Abroad (SABR)

Courses

SABR 191. Study Abroad. 0-18 hours.
Credit for foreign study. Final determination of credit is approved by the department/college and is based on the student's completion of the work. Course Information: May be repeated. Students do not register for this course. Special administrative course created to transcript study abroad courses. Course detail is added directly to students' academic records by the Office of Registration and Records.

SABR 291. Study Abroad. 0-18 hours.
Credit for foreign study. Final determination of credit is approved by the department/college and is based on the student's completion of the work. Course Information: May be repeated. Students do not register for this course. Special administrative course created to transcript study abroad courses. Course detail is added directly to students' academic records by the Office of Registration and Records.

SABR 391. Study Abroad. 0-18 hours.
Credit for foreign study. Final determination of credit is approved by the department/college and is based on the student's completion of the work. Course Information: May be repeated. Students do not register for this course. Special administrative course created to transcript study abroad courses. Course detail is added directly to students' academic records by the Office of Registration and Records.

SABR 491. Study Abroad. 0-18 hours.
Credit for foreign study. Final determination of credit is approved by the department/college and is based on the student's completion of the work. Course Information: May be repeated. Students do not register for this course. Special administrative course created to transcript study abroad courses. Course detail is added directly to students' academic records by the Office of Registration and Records.

Theatre (THTR)

Courses

THTR 101. Theatre History I: Premodern Drama. 3 hours.
Offers an introduction to the history and development of theatre and theatrical literature from the 5th Century BCE (Ancient Greece) to the modern era, with a particular focus on Western theatre traditions. Play attendance required. Course Information: Previously listed as THTR 109. Field trips required at a nominal fee. *Creative Arts course, and Past course*.

THTR 102. Introduction to Theatre: A Collaborative Art. 3 hours.
Students explore the history and collaborative nature of the theatre experience through readings, lectures, and attendance at two plays. Culminates in an original small group performance. Attendance at Department of Theatre production(s) required. Course Information: Field trips required at a nominal fee. *Creative Arts course*.

THTR 103. History of Chicago Theatre Past and Present. 3 hours.
Students learn about the ideas, individuals, and institutions that have made Chicago one of world's great theatre cities. Involves short readings, review of historical photo and video archives and interviews with leading contemporary Chicago artists. Course Information: Field trips required at a nominal fee. *Creative Arts course, and Past course*.

THTR 105. Introduction to American Musical Theatre. 3 hours.
A brief history of American musical theatre, its adaptation and alteration of earlier types of theatre, the basic structure of a classic musical, and how song and dance advance storytelling. Course Information: Field trips required at a nominal fee. As UIC does not offer musical theatre productions, the course will require attendance at productions outside the University. At least two are anticipated, one to see/assess a traditional musical comedy and a second to see a new or contemporary example of musical theatre. *Creative Arts course, and US Society course*.

THTR 111. Movement I: Body/Self. 3 hours.
Techniques in physical awareness and expression use of dynamics in movement and text. Course Information: Previously listed as THTR 210.

THTR 121. Introduction to Acting I. 3 hours.
Students explore basic vocal and physical stage performance techniques through improvisation and exercises. Focuses on developing truthfulness. Actors perform as themselves in given circumstances. Course Information: Previously listed as THTR 161.

THTR 122. Acting II: Adaptations. 3 hours.
Techniques of adapting and interpreting text from fiction, short stories and novels into short dramatic scenes which the students write and act in. Course Information: Previously listed as THTR 263. Prerequisite(s): Grade of C or better in THTR 121; and sophomore standing or above.

THTR 140. Polish Drama in Translation. 3 hours.
Elementary aspects of Polish dramatic theory and close reading of representative scripts selected from various periods. Course Information: Same as POL 140. Taught in English. *Creative Arts course, and World Cultures course*.

THTR 141. Acting I: Fundamentals. 3 hours.
Students will be guided through a series of exercises that introduce the fundamentals of acting. Through observation, improvisation, and performances, students will learn to live truthfully in imaginary circumstances.

THTR 221. Advanced Acting: American Drama. 3 hours.
Students learn techniques of performing classical and modern American drama. Focus on character development and interpreting dramatic action. Course Information: Previously listed as THTR 451. Prerequisite(s): Grade of C or better in THTR 111 and Grade of C or better in THTR 121 and Grade of C or better in THTR 162; and sophomore standing or above.

THTR 222. Advanced Acting: Chekhov. 3 hours.
Students will learn techniques of performing scenes from Chekhov's plays and short stories. Focus on Naturalistic theatre, Psychological Realism and craft of transforming into the character. Course Information: Previously listed as THTR 458. Prerequisite(s): Grade of C or better in THTR 221 and Grade of C or better in THTR 211 and Grade of C or better in THTR 261.

THTR 230. Script Analysis for Theatrical Production. 3 hours.
Examine and apply fundamental techniques theatre artists use to read, analyze, and organize a play script in preparation for theatrical production. Course Information: Prerequisite(s): Consent of the instructor.

THTR 240. Improvisation for the Actor. 3 hours.
Students learn contemporary improvisation history and theory; and develop fundamental improvisation knowledge and skills through various short-form, long-form and sketch-based exercises.

THTR 241. Acting II: Scene Study. 3 hours.
Techniques of interpreting text, character, and dramatic action. Includes attention to alternative dramatic forms and modes of performance. Course Information: Previously listed as THTR 262. Prerequisite(s): Grade of C or better in THTR 141 and Grade of C or better in THTR 217 and Grade of C or better in THTR 230; and sophomore standing or above.

THTR 245. East Asian Theatre. 3 hours.
Survey of traditional theatre forms in China, Japan, and Korea, their cultural contexts, and influence on today's theatre. Students may also choose to research theatres of South East Asia. *Creative Arts course*.

THTR 246. Acting Fundamentals for Non-majors II. 3 hours.
Building on Acting Fundamentals (THTR 145), students expand knowledge of theatre ideas/vocabulary and develop acting skill through readings, scene work, audition practices, and attendance at theatre productions in Chicago and UIC. Course Information: Field trips required at a nominal fee. Prerequisite(s): THTR 145 THTR 145 or consent of the instructor.

THTR 250. Scenic Design I. 3 hours.
Introduction to techniques in creating 3-dimensional performance environments including conceptualization, research, drafting, rendering, and model building. Course Information: Prerequisite(s): Grade of C or better in THTR 150. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture.

THTR 251. Costume Technology II: Intermediate Techniques, Pattern Development, and Costume Construction. 3 hours.
Intermediate course reinforces construction techniques and introduces pattern generation through drafting, draping, and fitting methods. Course Information: Prerequisite(s): THTR 151; or consent of the instructor. Recommended Background: Coursework or experience in clothing construction, design, or production.

THTR 252. Lighting Technology II: Intermediate Topics in Lighting Technology and Theatrical Lighting Controls. 3 hours.
Intermediate course provides a review of fundamental lighting technologies and introduces advanced theatrical lighting controls used in theatrical production. Course Information: Field trip required at a nominal fee. Prerequisite(s): THTR 150 and THTR 152 and THTR 157.

THTR 253. Scenic Technology II: Intermediate Topics in Stagecraft. 3 hours.
Offers topics on a rotating basis and may include: stage properties, scenic painting, furniture construction, and scenic construction. Course Information: Prerequisite(s): THTR 150 and THTR 153 and Credit or concurrent registration in THTR 157; and consent of the instructor.

THTR 254. Stage Management. 3 hours.
Organization and management of personnel and procedures in a theatrical production. Course Information: Previously listed as THTR 270.

THTR 255. Scenic Design II. 3 hours.
Advanced interpretive and practical techniques in creating 3-dimensional performance environments including conceptualization, research, drafting, rendering and model building. Students create a design solution for one of the theatre productions. Course Information: Prerequisite(s): Grade of C or better in THTR 250.

THTR 256. Lighting Design II: Intermediate Topics in Lighting Design for the Stage. 3 hours.
Introduces intermediate interpretive and practical techniques for creating and enhancing 3-dimensional theatrical performance environments through lighting. Course Information: Prerequisite(s): Grade of C or better in THTR 150 and Grade of C or better in THTR 156; and consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

THTR 258. Costume Design II. 3 hours.
Advanced practical research and rendering techniques in designing stage costumes for use in theatrical productions. Course Information: Prerequisite(s): Grade of B or better in THTR 257. Class Schedule Information: To be properly registered, students must enroll in one Laboratory and one Lecture-Discussion.

THTR 259. Makeup Design. 3 hours.
Students explore principles of make-up design and application for stage performances, including prosthetics and wigs.Course Information: Prerequisite(s): Grade of B or better in THTR 150 or grade of B or better in THTR 151. Class Schedule Information: To be properly registered, students must enroll in one Laboratory-Discussion and one Lecture-Discussion.

THTR 261. Voice II: Speech. 3 hours.
The relationship between speech, sound, and dramatic sense. Detailed work on the principles of speech. Advancement of breath and phonation skills from Voice I. Course Information: Prerequisite(s): Grade of C or better in THTR 111 and Grade of C or better in THTR 162 and Grade of C or better in THTR 122.

THTR 264. Voice III: Advanced Voice and Speech. 3 hours.
Advanced techniques in the integration of voice, speech, dialects, and other text-related vocal performance skills. Course Information: Previously listed as THTR 462. Prerequisite(s): Grade of C or better in THTR 211 and Grade of C or better in THTR 221 and Grade of C or better in THTR 261.

THTR 352. Lighting Technology III: Advanced Lighting Technology and Controls for Production. 3 hours.
Advanced course expands students' knowledge of lighting technologies, controls and visualization tools used in the entertainment industry. Students will have the opportunity to develop professional relationships. Course Information: Field trip required at a nominal fee. Prerequisite(s): THTR 150 and THTR 152 and THTR 252.

THTR 353. Scenic Technology III: Advanced Technical Problems. 3 hours.
Advanced course introduces students to theories and techniques in technical direction for theatrical productions and covers topics in scenic construction, material selection, fabrication processes, and applied project management. Course Information: Prerequisite(s): THTR 150 and THTR 153 and THTR 157; and consent of the instructor.

THTR 354. Stage Management Topics. 3 hours.
Intermediate to advanced course focuses on topics of theatrical production and personnel management. Prerequisite(s): THTR 150 and THTR 154; and consent of the instructor.

THTR 355. Scenic Design III: Advanced Scenic Design for the Stage. 3 hours.
Advanced course builds upon visual and verbal communication, collaboration skills, using interpretive and practical techniques in conceptualization, creating 3-dimensional scenic design model, research, drafting, model making, paint elevation. Course Information: Prerequisite(s): THTR 154 and THTR 155 and THTR 157 and THTR 250 and THTR 255; and consent of the instructor.

THTR 356. Lighting Design III: Advanced Lighting for the Stage. 3 hours.
Advanced course develops advanced visual and verbal design collaboration skills, and expands knowledge of the creative and implementation process. Students create lighting design projects from a music or movement based source material. Course Information: Field trip required at a nominal fee. Prerequisite(s): THTR 155 and THTR 156 and THTR 256; and consent of the instructor.

THTR 358. Costume Design III: Advanced Costume Design for the Stage. 3 hours.
Builds upon visual and verbal communication skills and delves further into critical analysis and interpretation of classical and contemporary texts. Students will create full costume designs for two theatrical texts. Course Information: Prerequisite(s): Grade of B or better in THTR 155 and Grade of B or better in THTR 158 and Grade of B or better in THTR 258; or consent of the instructor. Recommended background: Grade of B or better in THTR 151 and Grade of B or better in THTR 251.

THTR 361. Voice IV: Text Styles. 3 hours.
Techniques in various styles of classical and contemporary text, especially heightened language. Course Information: Previously listed as THTR 477. Prerequisite(s): Grade of C or better in THTR 212 or Grade of C or better in THTR 222 or Grade of C or better in THTR 264.

THTR 362. Voice V: Dialects. 3 hours.
Techniques in acting through song and performing in a dialect in musicals and/or plays. Course Information: Previously listed as THTR 478. Prerequisite(s): Grade of C or better in THTR 311 and Grade of C or better in THTR 321 and Grade of C or better in THTR 361.

THTR 383. Special Projects in Theatrical Design. 1-3 hours.
Design for the contemporary stage and other performance spaces. Problems in conceptualization, realization, and execution. Course Information: May be repeated. Previously listed as THTR 464. Prerequisite(s): Grade of C or better in THTR 250; or consent of the instructor.

THTR 384. Teaching Artist Seminar. 3 hours.
Introduces students to history of arts in education, and provides hands-on training that prepares them to serve as teaching artists in elementary, high-school, and community settings. Course Information: Prerequisite(s): Junior standing or above; or consent of the instructor. Students must have satisfactorily completed at least one 200-level practice-based course in the Departments of Theatre, Music, or Art.

THTR 385. Teaching Artist Practicum. 3 hours.
Provides students who have completed the teaching artist seminar course with an opportunity to develop expertise as teaching artists through 6-to10-week internship placements with master teachers at Chicago organizations. Course Information: Prerequisite(s): THTR 384; and consent of the instructor.

THTR 388. Special Projects in Performance Training. 3 hours.
Training in varying advanced techniques of performance. Course Information: May be repeated to a maximum of 9 hours. Previously listed as THTR 466. Prerequisite(s): Consent of the instructor.

THTR 403. Topics on Performance. 3 hours.
Explores topics of contemporary performance history, theory or practice. Course Information: Previously listed as THTR 463. Prerequisite(s): Consent of the instructor.

THTR 413. Movement VI: Movement Lab. 3 hours.
Ensemble created physical theatre. Introduction to devised work. Course Information: Prerequisite(s): Grade of C or better in THTR 312 and Grade of C or better in THTR 322 and Grade of C or better in THTR 362.

THTR 421. Advanced Acting: Ensemble. 3 or 4 hours.
Students develop a performance as they learn techniques and models for working within an ensemble. Course Information: 3 undergraduate hours. 4 graduate hours. May be repeated up to 1 time(s). Previously listed as THTR 459. Prerequisite(s): Grade of C or better in THTR 312 and Grade of C or better in THTR 322 and Grade of C or better in THTR 362.

THTR 422. Advanced Acting: Audition. 3 hours.
Selection and performing of audition pieces from theatre, film and television. Professional seminars and discussions with actors, directors, agents and casting directors. Course Information: Previously listed as THTR 475. Prerequisite(s): Grade of C or better in THTR 413 and Grade of C or better in THTR 321 and Grade of C or better in THTR 461; and senior standing or above; or consent of the instructor.

THTR 431. Playwriting. 3 hours.
The development of scripts for stage performance. Course Information: Same as ENGL 495. Previously listed as THTR 423. Prerequisite(s): Consent of the instructor. Recommended background: For BA Theatre majors: THTR 101, 201, and 230.

THTR 435. Contemporary Performance Techniques. 3 hours.
The relationship of contemporary theory and performance techniques with attention to both text and non-text based forms. Topics vary. Performance projects required. Course Information: Previously listed as THTR 470. Prerequisite(s): Grade of C or better in THTR 101 and Grade of C or better in THTR 201 and Grade of C or better in THTR 230; and Grade of C or better in THTR 121 or Grade of C or better in THTR 141.

UPP 302. Great Cities Internship. 6 hours.
Provides students an opportunity to apply theoretical knowledge and conduct research in metropolitan organizations through field placements and seminars. Course Information: Same as POLS 302. Prerequisite(s): Junior or senior standing and grade point average of 3.00, or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in one Lecture-Discussion and one Practice.

UPP 403. Planning Practices for Great Cities. 3 or 4 hours.
Patterns of city growth, physical, socio-economic, and environmental issues. Contemporary planning issues. Future of cities. Course Information: 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Advanced undergraduate standing or consent of the instructor.

UPP 405. Researching the City. 0-4 hours.
Addresses basic issues of quantitative reasoning in planning and policy, including use of data sources, organizing, sorting, managing, and analyzing data. Emphasizes presenting findings visually and in writing. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Field work required. Prerequisite(s): Grade of C or better in ECON 120; and junior standing or above; or consent of the instructor. Recommended background: Grade of B or better or concurrent registration in US 202. To be properly registered, students must enroll in one Lecture and one Discussion/Recitation.

UPP 420. Great Cities: London and Chicago. 1-8 hours.
Comparative investigation of urban, economic, social, and political issues in the two global cities. Includes classes, study, and living in London. Course Information: Field work required. Prerequisite(s): Junior standing or above and selection by the Office of Study Abroad admission committee.

UPP 452. The UIC Freshwater Lab Course. 3 or 4 hours.
Brings a Humanities lens to the Great Lakes watershed to examine how water interacts with socio-political systems, legal structures, cultural perceptions, and artistic visions. Course Information: Same as ENGL 452 and PA 452. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): ENGL 160 and ENGL 161.

UPP 453. Freshwater Lab in Practice: Environmental Research, Projects, and Internships. 3 or 4 hours.
Investigates key issues surrounding Great Lakes water governance through a combination of hands-on research and professional development in fields related to environmental policy, planning, writing and communication. Course Information: Same as ENGL 453 and PA 453. 3 undergraduate hours; 4 graduate hours. This course offers an internship placement opportunity. Depending on placement/start date, students may begin internship work during the second half of the semester or during the summer. Prerequisite(s): ENGL 160 and ENGL 161.

UPP 458. Introduction to Geospatial Analysis and Visualization I. 2 hours.
A basic introduction to the softwares used and rules governing effective communication of geospatial and other data in visual format. Course Information: Extensive computer use required. Meets eight weeks of the semester. Credit is not given for UPP 458 if the student has credit in UPP 460. Prerequisite(s): Graduate standing.

UPP 459. Introduction to Geospatial Analysis and Visualization II. 2 hours.
In-depth instruction in softwares used and rules governing effective communication of geospatial and other data in visual format. Exploration of design principles for communicating complex information in a variety of formats. Course Information: Credit is not given for UPP 459 if the student has credit in UPP 460. Extensive computer use required. Meets eight weeks of the semester. Prerequisite(s): Grade of B or better in UPP 458; and senior standing or above; or consent of the instructor.

UPP 460. Introduction to Geospatial Analysis and Visualization. 3 or 4 hours.
Exploration of geospatial analysis and visualization theory and tools; how to appropriately choose and use tools. Cognition, communication, modeling, cartography, web authoring, 3-D visualization, and aerial and satellite photography.Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Centrino 2 Duo processor, 2 GB RAM and 100 GB hard drive minimum recommendations. Prerequisite(s): Junior standing or above; and approval of the deparment. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

UPP 461. Geographic Information Systems for Planning and Policy. 3 or 4 hours.
Applications of Geographic Information Systems to understanding spatial relationships for their importance in planning use and policy making across a variety of disciplines/policy sectors. Course Information: Same as GEOG 469. 3 undergraduate hours. 4 graduate hours. Prerequisite(s): Junior standing or above; and consent of the instructor. Priority registration will be given to students admitted to a campus certificate program in Geospatial Analysis and Visualization.

UPP 462. Intermediate GIS for Planning and Policy. 3 or 4 hours.
To reinforce and expand on topics taught in UPP 461 and introduce more advanced features of GIS and its applications to urban planning and policy. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Junior standing or above; and approval of the deparment. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

UPP 463. Complexity-based Models for Planning and Policy. 3 or 4 hours.
Introduction to complexity-based models and their possible applications to a range of planning and public policy issues. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Prerequisite(s): Junior standing or above; and approval of the deparment. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization. Recommended background: Experience in object-oriented programming is helpful but not required.

UPP 464. Advanced Visualization Techniques. 3 or 4 hours.
Specialized computational abilities for various planning areas including: database and spreadsheet analyses, spatial information systems, imageries and image editing, 3D modeling and virtual reality, hypermedia or multimedia, and the internet. Course Information: 3 undergraduate hours. 4 graduate hours. Extensive computer use required. Centrino 2 Duo with at least 2GB RAM and 110 GB hard drive minimum recommended specifications. Prerequisite(s): Junior standing or above; and approval of the deparment. Priority registration will be given to students admitted to the campus certificate program in Geospatial Analysis and Visualization.

US 208. Mapping the Urban: Cartography and its Alternatives. 3 hours.
Maps both represent space and influence the spatial imaginary. From traditional cartography to new media, the course will explore the power and possibilities of mapping and counter-mapping as narratives of space, power and social relations. Course Information: Same as GEOG 208. Previously listed as UPP 208. *Individual and Society course*.

US 220. Latin American Cities in a Global Context: Environment, Employment, and Housing. 3 hours.
Global economic trends impacting Latin American cities, with a focus on three urban planning issues: environment, employment and housing. Growing inequality, precarious employment, spatial segregation, and squatter settlements will be explored. Course Information: Same as LALS 220. *Individual and Society course, and World Cultures course*.

US 230. Practices for Sustainable Cities. 3 hours.
Provides an introduction to topical issues of sustainable urban development and surveys emerging sustainability practices. Course Information: Prerequisite(s): Sophomore standing or above; or consent of the instructor. Recommended background: Grade of C or better in US 130. To be properly registered, students must enroll in one Lecture and one Discussion/Recitation. *US Society course*.

US 240. Urban and Community Economics. 3 hours.
Surveys economic perspectives on urban processes, including the location decisions of households and firms, the determinants of urban economic development, and the theory and practice of community economic development. Class Schedule Information: To be properly registered, students must enroll in one Lecture and one Discussion/Recitation.

US 250. Analyzing the City. 3 hours.
Addresses basic issues of quantitative reasoning in urban studies, including use of data sources, organizing, sorting, managing, and analyzing data. Emphasizes presenting findings visually, in writing, and through social media. Course Information: Extensive computer use required. Recommended background: Grade of B or better or concurrent registration in US 202.

US 261. Mapping, Data, and Geographic Information Systems. 3 hours.
Provides an introduction to the tools and techniques of mapping, the relationship between data and cartography, and the basic concepts of geographic information systems softwares. Course Information: Extensive computer use required. Field work required. Prerequisite(s): Sophomore standing or above; or consent of the instructor.

US 296. Special Topics in Urban Studies. 3 hours.
Special Topics in Urban Studies. Course Information: Field trip required at a nominal fee. Prerequisite(s): Sophomore standing or above; or consent of the instructor. Recommended background: Nine hours of coursework in Urban Studies or Public Policy, including credit or concurrent registration in one course at the 200-level.

US 301. Political Economy of Urban Development. 3 hours.
Political and economic approaches to the study of urban life, urban problems and the built environment. Course Information: Previously listed as UPA 301. Field work required. Prerequisite(s): Grade of C or better in US 240; or Grade of B or better in ECON 120; and senior standing or above; or consent of the instructor. Class Schedule Information: To be properly registered, students must enroll in on Lecture and one Discussion/Recitation.

US 304. Visualizing the City: Methods and Tools for Representing the City. 3 hours.
Addresses basics of visualization methods and techniques of representing the physical environment. Course Information: Previously listed as UPA 304. Field work required. Prerequisite(s): Open only to juniors and seniors; and approval of the department or admission to the BA Program in Urban Studies. Class Schedule Information: To be properly registered, students must register for one Lecture and one Discussion/Recitation.

US 306. Urban Policy Analysis Methods. 3 hours.
Introduces students to the basics of policy and program evaluation using rational model. Needs analysis, performance evaluation, data collection methods and analysis, discounting valuation problems. Course Information: Previously listed as UPA 306. Prerequisite(s): Grade of C or better in US 240; or Grade of B or better in ECON 120; and junior standing or above; or consent of the instructor.

US 308. Globalization in Urban Studies. 3 hours.
Study of urban studies as it relates to globalization. Course Information: Previously listed as UPP 308. Prerequisite(s): Grade of C or better in US 240; or Grade of B or better in ECON 120; or consent of the instructor.

US 309. Public Budgeting and Financial Management. 3 hours.
Government budgeting, financial, management and the reciprocal relationship between government and the economy. Course Information: Same as PPOL 309. Prerequisite(s): PPOL 210 and admission to the BA in Public Policy or Urban Studies; or consent of the instructor.

US 361. Introduction to Geographic Information Systems I. 3 hours.
Geographic Information Systems (GIS) adds spatial analysis and communication to the critical thinking toolbox. This course, the first in a two semester sequence, introduces students to basic GIS data concepts and map making techniques. Course Information: Extensive computer use required. Students must have access to a PC on which they can install software, and meeting the system requirements detailed on the ESRI website at: http://www.esri.com/software/arcgis/arcgis-for-desktop/system-requirements. Prerequisite(s): Sophomore standing or above and Grade of C or better in US 261 or equivalent; or instructor approval. Recommended background: Grade of C or better or concurrent registration in US 100 or Grade of C or better in GEOG 175.

US 362. Introduction to Geographic Information Systems II. 3 hours.
Geographic Information Systems (GIS) adds spatial analysis and communication to the critical thinking toolbox. This course, the second in a two semester sequence, introduces students to basic GIS data concepts and map making techniques. Course Information: Extensive computer use required. Students must have access to a PC on which they can install software, and meeting the system requirements detailed on the ESRI website at: http://www.esri.com/software/arcgis/arcgis-for-desktop/system-requirements. Prerequisite(s): Grade of B or better in US 361; and sophomore standing or above. Recommended background: Grade of C or better or concurrent registration in GEOG 100.

US 390. Sustainability Internship. 3 hours.
Provides an intellectual framework for students to apply classroom learning to hands-on project-based internships that advance the overall mission of greater social, economic and environmental sustainability in the campus community. Course Information: Same as PUBH 390. Students will be placed in internships with UIC departments and units for approximately 8 hours per week. Prerequisite(s): Grade of C or better in US 130; or Grade of C or better in PHYS 116. Open only to sophomores, juniors, and seniors; or consent of the instructor.

Index

A

Academic Calendar 9
Academic Planning and Progress 78
Academic Skills Program (ASP) 481
Academic Standing 67
Accounting 186
Accounting (ACTG) 482
Additional Interdisciplinary Opportunities 293
Admissions 37
Admissions, Registration & Finances 37
Anatomy and Cell Biology (ANAT) 483
Anthropology 313
Anthropology (ANTH) 484
Applied Health Sciences (AHS) 489
Arabic (ARAB) 490
Architecture (ARCH) 491
Art (ART) 493
Art History (AH) 497

B

BA in Architectural Studies 138
BA in Art History 144
BA in Design Studies 150
BA in Human Development and Learning 217
BA in Interdisciplinary Education in the Arts 147
BA in Music 156
BA in Music Business 159
BA in Public Health 456
BA in Public Policy 468
BA in the Teaching of English 349
BA in the Teaching of French 353
BA in the Teaching of German 360
BA in the Teaching of History 373
BA in the Teaching of Spanish 368
BA in Theatre and Performance 168
BA in Theatre Design, Production, and Technology 171
BA in Urban Education 213
BA in Urban Studies 474
BA with a Major in Anthropology 313
BA with a Major in Applied Psychology 414
BA with a Major in Black Studies 324
BA with a Major in Central and Eastern European Studies—CEES Concentration 403
BA with a Major in Central and Eastern European Studies—Polish Studies Concentration 405
BA with a Major in Central and Eastern European Studies—Russian Studies Concentration 406
BA with a Major in Chemistry 328
BA with a Major in Classical Studies 332
BA with a Major in Communication 334
BA with a Major in Criminology, Law, and Justice 336
BA with a Major in Economics 341
BA with a Major in English 343
BA with a Major in French and Francophone Studies 352
BA with a Major in Gender and Women's Studies 356
BA with a Major in Germanic Studies 359
BA with a Major in Global Asian Studies 363
BA with a Major in History 372
BA with a Major in Latin American and Latino Studies 381
BA with a Major in Liberal Studies 382
BA with a Major in Philosophy 397
BA with a Major in Physics 399
BA with a Major in Political Science 409
BA with a Major in Political Science, Concentration in Law and Courts 410
BA with a Major in Political Science, Concentration in Urban Politics .. 412
BA with a Major in Sociology 418
BA with a Major in Sociology, Concentration in Data and Analytics 419
BA with a Major in Sociology, Concentration in Health and Medicine .. 421
BA with a Major in Sociology, Concentration in Professions, Occupations, and Work 422
BA with a Major in Sociology, Concentration in Sociology for Social Work 423
BA with a Major in Spanish 366
BA with a Major in Spanish, Concentration in Spanish for the Professions 367
Bachelor of Business Administration 198
Bachelor of Business Administration (On-Campus) 199
Bachelor of Business Administration (Online) 200
BDes in Graphic Design 152
BDes in Industrial Design 154
BFA in Acting 173
BFA in Art 141
BFA in Art Education 142
Biochemistry 315
Biochemistry and Molecular Genetics (BCMG) 502

Certificate in Polish Language 408
Certificate in Russian Language 408
Chemical Engineering 233
Chemical Engineering (CHE) 517
Chemistry 327
Chemistry (CHEM) 520
Chinese (CHIN) 524
Civil, Materials, and Environmental Engineering 239
Civil, Materials, and Environmental Engineering (CME) 524
Classics (CL) 529
Classics and Mediterranean Studies 331
College of Applied Health Sciences 104
College of Architecture, Design, and the Arts 129
College of Business Administration 176
College of Education 207
College of Engineering 222
College of Liberal Arts and Sciences 297
College of Nursing 434
College of Pharmacy 441
College of Urban Planning and Public Affairs 463
Colleges & Departments 104
Communication 334
Communication (COMM) 531
Community Health Sciences (CHSC) 536
Computer Science 244
Computer Science (CS) 537
Council on Teacher Education 479
Criminology, Law, and Justice 336
Criminology, Law, and Justice (CLJ) 541
Curriculum and Instruction 212
Curriculum and Instruction (CI) 544

D

Degree Program and Minor List 54
Degree Programs and Requirements 54
Design (DES) 546
Dialogue (DLG) 549
Disability and Human Development 116
Disability and Human Development (DHD) 549
Doctor of Pharmacy 448

E

Earth and Environmental Sciences 338
Earth and Environmental Sciences (EAES) 551
Economics 340
Economics (ECON) 553
Education (ED) 555
Educational Policy Studies (EDPS) 559
Educational Psychology 217
Educational Psychology (EPSY) 559
Electrical and Computer Engineering 275
Electrical and Computer Engineering (ECE) 563
Engineering (ENGR) 566
English 343
English (ENGL) 568
English Language and Support for Internationals (ELSI) 577
Entrepreneurship (ENTR) 581

F

Faculty List 17
Finance 188
Finance (FIN) 582
Financial Aid 40
French (FR) 584
French and Francophone Studies 351

G

Gender and Women's Studies 355
Gender and Women's Studies (GWS) 587
General Education 83
Geography (GEOG) 591
Germanic Studies 359
Germanic Studies (GER) 592
Global Asian Studies 362
Global Asian Studies (GLAS) 595
Greek, Ancient (GKA) 598
Greek, Modern (GKM) 598
Guaranteed Admissions Medicine (GAMD) 599

H

Health Information Management (HIM) 599
Hebrew (HEB) 601
Hindi-Urdu (HNUR) 601
Hispanic and Italian Studies 365
History 371
History (HIST) 602
Honors College 293
Honors College Courses (HON) 610
Human Nutrition (HN) 612

Minor in English 350
Minor in Entrepreneurship 203
Minor in Environmental Engineering 243
Minor in Finance 204
Minor in Food Science 123
Minor in French and Francophone Studies 355
Minor in Gender and Women's Studies 358
Minor in Geographic Information Systems 478
Minor in Germanic Studies 362
Minor in Global Asian Studies 365
Minor in Global Middle East Studies 315
Minor in Health Information Management 114
Minor in History 375
Minor in Human Resource Management 204
Minor in Industrial Engineering 292
Minor in Information Technology 275
Minor in Instructional Design and Training 221
Minor in International Business 204
Minor in International Studies 293
Minor in International Studies 380
Minor in Italian and Italian American Studies 371
Minor in Kinesiology 124
Minor in Latin American and Latino Studies 382
Minor in Law and Society 338
Minor in Leadership 205
Minor in Life Science Visualization 115
Minor in Linguistics 385
Minor in Logic, Argumentation, and Writing 350
Minor in Management Information Systems 205
Minor in Materials Engineering 244
Minor in Mathematics 393
Minor in Mathematics and Computer Science 393
Minor in Mechanical Engineering 292
Minor in Moving Image Arts 394
Minor in Museum and Exhibition Studies 149
Minor in Music 175
Minor in Nonprofit Management 472
Minor in Nutrition 124
Minor in Philosophy 399
Minor in Physics 402
Minor in Polish Studies 408
Minor in Political Science 413
Minor in Professional Sales and Relationship Management 206
Minor in Professional Writing 351
Minor in Psychology 417
Minor in Public Health 460
Minor in Public Policy 473
Minor in Real Estate 206
Minor in Religious Studies 417
Minor in Russian Studies 408
Minor in Social Justice 358
Minor in Sociology 425
Minor in Spanish 370
Minor in Spanish for the Professions 370
Minor in Supply Chain and Operations Management 206
Minor in Sustainable Cities 478
Minor in the Teaching of English 351
Minor in Theatre 176
Minor in Urban Studies 479
Minors 201
Moving Image Arts 393
Moving Image Arts (MOVI) 652
Museum and Exhibition Studies (MUSE) 653
Music (MUS) 654

N

Native American Studies (NAST) 658
Natural Sciences (NATS) 659
Naval Science (NS) 659
Neuroscience 394
Neuroscience (NEUS) 660
Nursing Core (NURS) 660
Nursing Elective (NUEL) 663

O

Occupational Therapy (OT) 663

P

Pathology (PATH) 664
Pharmaceutical Sciences (PSCI) 664
Pharmacology (PCOL) 664
Pharmacy (PHAR) 664
Pharmacy Practice (PMPR) 666
Pharmacy Systems, Outcomes, and Policy (PSOP) 669
Philosophy 396
Philosophy (PHIL) 671
Physical Therapy (PT) 675