Undergraduate Catalog

2026-2027

SOUTHERN ILLINOIS UNIVERSITY
EDWARDSVILLE

siue.edu/academics

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Accreditation

Southern Illinois University Edwardsville is accredited by The Higher Learning Commission (HLC). The University maintains accreditation through the Open Pathway with HLC. Many of SIUE's departments and schools are accredited by professional agencies.

Learn more about SIUE Accreditation

Disclaimer

This catalog represents all courses and requirements in effect at the time of its publication. Subsequent to its publication, the University may find it necessary to make changes to courses, curriculum, tuition, fees or other details herein. The Board of Trustees of Southern Illinois University, its respective officers and agents reserve the right to modify, add or delete courses, information and/or requirements contained herein without prior notice.

This catalog is not a contract, nor does it provide any contractual rights to the courses or benefits stated herein. If you have a question about a course and/or requirement within this catalog, please contact the Office of the Registrar and/or the Office of Admissions of the University to obtain current information about courses of interest.

Academic Calendar — 2026 - 2027

Summer 2026

- May 11 May Session begins
- May 25 Memorial Day Holiday
- May 29 May Session ends
- June 1 Summer Term begins
- June 6 Weekend classes begin
- June 19 Juneteenth Holiday
- July 3 Independence Day Holiday
- August 8 Summer Term ends

Note: No weekend classes July 4-5.

Fall 2026

- August 24 Fall classes begin
- August 29 Weekend classes begin
- September 7 Labor Day Holiday
- November 23-29 Thanksgiving Break Holiday
- December 14-18 Final Exams
- December 18-19 Commencement

Note: No weekend classes September 5-6 and November 28-29. Final exams for weekend classes are December 12 following the last class session.

Spring 2027

- December 21 Winter Session begins
- January 10 Winter Session ends
- January 11 Spring classes begin
- January 16 Weekend classes begin
- January 18 Martin Luther King, Jr. Holiday
- March 8-14 Break week
- May 3-7 Final Exams
- May 7-8 Commencement

Note: No weekend classes March 13-14 and March 27-28. Final Exams for weekend classes are May 1 following the last class session.

Abbreviations

- BA - Bachelor of Arts
- BFA - Bachelor of Fine Arts
- BLS - Bachelor of Liberal Studies
- BM - Bachelor of Music
- BS - Bachelor of Science
- BSA - Bachelor of Science in Accountancy
- BSW - Bachelor of Social Work
- DMD - Doctor of Dental Medicine
- DNP - Doctor of Nursing Practice
- EdD - Doctor of Education
- EdS - Education Specialist
- MA - Master of Arts
- MAT - Master of Arts in Teaching
- MBA - Master of Business Administration
- MFA - Master of Fine Arts
- MM - Master of Music
- MMR - Master of Marketing Research
- MPA - Master of Public Administration
- MPH - Master of Public Health
- MS - Master of Science
- MSA - Master of Science in Accountancy
- MSEd - Master of Science in Education
- MSW - Master of Social Work
- PBC - Post-Baccalaureate Certificate
- PMC - Post-Master's Certificate
- PharmD - Doctor of Pharmacy
- SD - Specialist Degree

Degrees and Program Listing

The abbreviations list provides a quick explanation of the academic acronyms.

College of Arts and Sciences

Anthropology — BA, BS

Applied Communication Studies — BA, BS, MA

- Graduate Specializations:
  - Applied Communication Generalist
  - Public Relations

Art — BA, BS, MFA

- Undergraduate Specializations:
  - Art Education
  - Art History
  - Art Studio
- Graduate Specialization:
  - Art Studio

Art and Design — BFA

Art Therapy Counseling — MA

Biological Sciences — BA, BS, MA, MS

- Undergraduate Specializations:
  - Ecology, Evolution, and Conservation
  - Genetics and Cellular Biology
  - Integrative Biology
  - Medical Science
  - Medical Technology

Chemistry — BA, BS, MS

- Undergraduate Specializations:
  - ACS Certified in Biochemistry
  - ACS Certified in Chemistry
  - Biochemistry
  - Bioprocess Chemistry
  - Forensics Chemistry
  - Medical Science
  - Pharmaceutical Chemistry

Criminal Justice Studies — BA, BS

Criminal Justice Policy — MS

Data Science — PBC

Economics — BA, BS

English — BA, MA

- Undergraduate Specialization:
  - Secondary English Language Arts
- Literature PBC
- Teaching of Writing PBC
- Graduate Specializations:
  - Literature
  - Teaching of Writing

Environmental Sciences — BA, BS, MS

- Undergraduate Specializations:
  - Environmental Health
  - Environmental Management
  - Environmental Toxicology

Foreign Languages and Literature — BA, BS

- Undergraduate Specializations:
  - French
  - German
  - Spanish

Forensic Sciences — MS

Geography — BA, BS, MS

History — BA, BS, MA

- Undergraduate Specialization:
  - Applied Historical Methods
- Museum Studies PBC

Integrative Studies — BA, BS

International Studies — BA

Liberal Studies — BLS

Mass Communications — BA, BS

- Undergraduate Specializations:
  - Advertising and Strategic Media
  - Journalism
  - Media Production

Mathematical Studies — BA, BS

- Undergraduate Specializations:
  - Actuarial Science
  - Applied Mathematics
  - Pure Mathematics
  - Statistics

Mathematics — MS

- Graduate Specializations:
  - Computational and Applied Mathematics
  - Postsecondary Mathematics Education
  - Pure Mathematics
  - Statistics and Operations Research

Media Studies — MS

- Digital Media Literacy — PBC

Music — BA, BM, MM

- Undergraduate Specializations:
  - Jazz Performance
  - Music Business
  - Music Education
  - Music History/Literature
  - Music Performance
  - Music Theory and Composition
  - Musical Theater
- Piano Pedagogy PBC
- Vocal Pedagogy PBC
- Graduate Specializations:
  - Choral Conducting
  - Instrumental Conducting
  - Jazz
  - Music Education
  - Music Performance

Philosophy — BA, BS

- Undergraduate Specialization:
  - Law

Physics — BS

Political Science — BA, BS

Public Administration — MPA

- Professional Leadership Strategies PBC

Social Work — BSW, MSW

Sociology — BA, BS, MA

- Undergraduate Specialization:
  - Diversity and Social Justice
  - Employment Relations

Theater and Dance — BA, BS

- Undergraduate options:
  - Dance
  - Theater Design/Technical
  - Theater Performance

School of Business

Accountancy — BSA, MSA

- Taxation PBC
- Graduate Specializations:
  - Business Analytics
  - Taxation

Business Administration — BS, MBA

- Undergraduate Specializations:
  - Computer Information Systems
  - Cybersecurity
  - Data Analytics
  - Economics
  - Entrepreneurship
  - Finance
  - Human Resource Management
  - Management
  - Marketing
  - Supply Chain Management
- Graduate Specializations:
  - Business Analytics
  - Healthcare Administration
  - Management
  - Management Information Systems
  - Project Management

Business Analytics — PBC

Management and Information Systems — MS

- Graduate Specializations:
  - Business Analytics
  - Cybersecurity Management
  - Project Management

Marketing Analytics & Insights — MS

Marketing Research — MMR

- Graduate Specializations:
  - Business Analytics

School of Dental Medicine

Dental Medicine — DMD

- Advanced Education in General Dentistry PMC
- Endodontics PMC
- Orthodontics PMC

School of Education, Health and Human Behavior

Curriculum and Instruction — MSEd

- Graduate Specialization:
  - Special Education

Diversity and Equity in Education — MSEd

Early Childhood Education — BS

Educational Administration — MSEd, EdS

- Graduate Specialization:
  - Principal Preparation
  - Superintendent
  - Teacher Leader

Educational Leadership — EdD

- Principal Preparation PMC
- Superintendent PMC
- Teacher Leader PMC

Elementary Education — BS

Exercise Science — BS

Higher Education and Student Affairs — MSEd

- Graduate Specialization:
  - Higher Education Athletics

Instructional Technology — MSEd

- Emerging Technologies PBC
- Instructional Design PBC
- Online Teaching & Learning PBC
- Graduate Specialization:
  - Educational Technology

Kinesiology — MSEd, MS

- Graduate Specialization:
  - Exercise and Sport Psychology
  - Exercise Physiology
  - Physical Education and Coaching Pedagogy

Nutrition — BS

Nutrition and Dietetics — MS

- Graduate Specialization:
  - Sports Nutrition

Psychology — BA, BS, MA, MS

- Graduate Specializations:
  - Clinical Psychology
  - Clinical Child and School Psychology

- Industrial-Organizational

Public Health — BS, MPH

- Public Health Global Health PBC

School Psychology — SD

Special Education — BS, PMC

Speech-Language Pathology — MS

Speech-Language Pathology and Audiology — BA, BS

Teaching Education — MAT

School of Engineering

Civil Engineering — BS, MS

- Transportation Engineering PBC
- Water Engineering PBC
- Graduate Specializations:
  - Environmental Engineering/Water Resources
  - Geotechnical Engineering
  - Structural Engineering
  - Transportation Engineering

Computer Engineering — BS

Computer Science — BA, BS, MS

Construction Management — BS

- Undergraduate Specialization:
  - Land Surveying

Cybersecurity Engineering — BS

Electrical Engineering — BS

Electrical and Computer Engineering — MS

Industrial Engineering — BS, MS

- Supply Chain Management PBC
- Total Quality Management PBC

Mechanical Engineering — BS, MS

Mechatronics and Robotics Engineering — BS

Surveying and Geomatics — BS

Graduate Studies and Research

Healthcare Informatics — MS

Integrative Studies — MA, MS, PBC

- Graduate Specializations:
  - Applied Communication Studies and Marketing
  - Cultural Heritage and Resources Management
  - Engineering Management
  - Environmental Management
  - GIS Development and Database Administration
  - Marketing Communications
  - Marketing and Public Relations
  - Media Management
  - Organizational Communication and Management
  - Organizational Design Thinking
  - Transportation Engineering and Construction Management

School of Nursing

Health Care and Nursing Administration — MS, PMC

Nurse Educator — MS, PMC

Nursing — BS

Nursing Practice — DNP

- Graduate Specializations:
  - Family Nurse Practitioner
  - Nurse Anesthesia
  - Psychiatric Mental Health Nurse Practitioner

Psychiatric Mental Health Nurse Practitioner — PMC

School of Pharmacy

Pharmaceutical Sciences — MS

Pharmacy — PharmD

- Graduate Specialization:
  - Pharmacy Acute Care
  - Pharmacy Education
  - Pharmacy Pediatrics

- Pharmacy Psychiatric

Minor Programs of Study

- Aerospace Studies
- African Studies
- Anthropology
- Applied Communication Studies
- Art History
- Art Studio
- Asian Studies
- Biological Sciences
- Black Studies
- Business Administration
- Chemistry
- Classical Studies
- Computer Engineering
- Computer Science
- Construction Management
- Creative Writing
- Criminal Justice Studies
- Digital Humanities and Social Sciences
- Economics
- Education Studies and Analysis
- Electrical Engineering
- Environmental Sciences
- European Studies/Civilization
- Exercise and Sport Psychology
- Exercise Science
- Forensic Sciences
- French
- Geographic Information Systems
- Geography
- German
- Health, Society and the Human Condition
- History
- Industrial Engineering
- Instructional Technology
- Latin American Studies
- Linguistics
- Literature
- Mass Communications
- Mathematical Studies
- Mechanical Engineering
- Mechatronics and Robotics
- Meteorology and Climatology
- Military Science
- Music
- Native American Studies
- Nutrition
- Peace and International Studies
- Perspectives on Science, Technology and Medicine
- Philosophy
- Political Science
- Pre-Law
- Psychology
- Public Health
- Religious Studies
- Rhetoric and Writing
- Social Science Education
- Sociology
- Spanish
- Statistics
- Surveying and Geomatics
- Theater and Dance
- Urban Studies
- Women’s, Gender, and Sexuality Studies

Accountancy

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the School of Business. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Business provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Business.

The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses.

Progression
Once students have completed ENG 101, ENG 102, MATH 120, ACS 101, ECON 111, ECON 112, and CMIS 108 with at least a grade of C or higher in each course and have an SIUE GPA 2.5 or higher, they will be classified as an Accountancy major (BSA).

Retention
Students who fail to maintain at least a 2.5 cumulative SIUE GPA will be placed on School of Business probation. Students will be notified when they are not meeting the cumulative GPA retention standard and will be informed of the timeframe allowed to improve their GPA. Students who do not meet retention requirements for two consecutive terms will be removed from the School of Business (Direct Entry School of Business and Accountancy BSA).

Also Available
Accelerated Online Bachelor of Science with an Accountancy Specialization

Degree Requirements

Lincoln Program General Education Requirements

*Courses that require a grade of C or higher.

First Semester Transition

- FST 101*

Foundations Courses (five required)

- ENG 101*
- ENG 102*
- ACS 101*
- RA 101
- QR 101 (or MATH 150)

Breadth Courses (six required)

- ECON 111* (meets Breadth Social Science (BSS) major requirement)
- Breadth Humanities (BHUM) Course
- Breadth Fine and Performing Arts (BFPA) Course
- MATH 120* (meets Breadth Physical Science (BPS) major requirement)
- Breadth Life Sciences (BLS) Course
- CMIS 108* (meets Breadth Information and Communication in Society (BICS) course, major requirement)

Experiences Requirements

- Laboratory Experience (EL) (MS 251, major requirement, will meet one EL science requirement)
- Global Cultures, Race, and Equity Education (EREG) or U.S. Race, Gender, and Equity (ERGU) (GBA 383, major requirement, will meet either EREG or ERGU but not both)
- Health Experience (EH)

Additional General Education Requirements

- Interdisciplinary Studies (met by GBA 383, major requirement)

Bachelor of Science Requirements

To complete a Bachelor of Science at SIUE, students must have a total of at least eight courses in the sciences (life, physical or social), including, as part of those eight courses, two courses designated as labs (EL). The courses listed below are included as a part of the required courses for the major or as a part of the breadth requirements.

- Social, Physical, or Life Science course (students should choose a course with a lab (EL) to fulfill this requirement)
- ECON 111* (required for all business majors, also used for breadth course, see above)
- ECON 112* (required for all business majors, see below)
- MATH 120* (required for all business majors, also applies as a breadth course, see above)
- MS 250* (required for all business majors, see below)
- MS 251* (required for all business majors, see below, also meets one EL course requirement)
- GBA 383* (required for all business majors, see above)
- Breadth Life Science course (also meets breadth requirement above)

Students should consult with an academic advisor to ensure proper completion of Lincoln Program general education requirements.

Accounting Major Requirements

- ACCT 200#, 210*, 301*, 302, 303*, 312, 315, 321, 340, 431, 441
- ACS 101*
- CMIS 108*, 342
- ECON 111*, 112*
- ENG 101*, 102*
- FIN 320
- GBA 301, 383, 402
- MATH 120*^
- MS 250*^, 251*
- MGMT 330, 331, 441*
- MKTG 300
- SCM 315

Plus one of the following:

- ACCT 340, 401, 421

* Courses that require a grade of C or better.
# B or higher required.
^Students may substitute MATH 150 (with a grade of C or higher) for both MATH 120 and MS 250.

Retention

Students must achieve and remain in good standing to be retained in the accountancy program. Good standing means a student has a minimum GPA of 2.5 cumulative, 2.5 in accounting courses and 2.25 in required business courses. Students who fail to maintain at least 2.5 cumulative and accounting GPAs at SIUE will be placed on program probation. Students will be notified when they are not meeting the GPA retention standards and will be informed of the timeframe allowed to improve their GPA. Students who do not meet retention requirements for two consecutive terms will be separated from the accountancy major. Students whose cumulative GPA is below 2.25 will be removed from the School of Business. Students remaining below a 2.5 accounting GPA for two terms may be dropped from the accountancy program. A student also may be dropped from the accountancy program for receiving any combination of three withdrawal, incomplete, or failing grades in a single required accounting course. Students who are not in good standing will not be permitted to take ACCT 303, 401, 421, 431 or 441.

Re-entry to School of Business Programs

Former students who have not attended SIUE for three or more terms must meet program requirements in effect at the time of re-entry, including any retention or program-specific course or grade point average requirements.

Repeat Policy

Students may repeat undergraduate business courses (ACCT, CMIS, ECON, FIN, GBA, MS, MGMT, MKTG, PROD and SCM) at SIUE under the following conditions and restrictions: When a course is repeated, only the grade earned in the final attempt will be used in computing the grade point average. All grades will appear on the transcript.

Credits earned for any course will be applied only once toward degree requirements, no matter how often the course is repeated.

- 100-level courses may not be repeated more than three times.
- 200-level courses may not be repeated more than two times.
- 300- and 400-level courses may not be repeated more than one time.

The School of Business is not obligated to offer a course to provide students an opportunity to repeat a previously attempted course. If a student does not pass a 300- or 400-level course after the second graded attempt, one of the following options must be chosen:

1. Appeal to take the course a third time. If the student does not pass the course on the third attempt, the student must choose a major outside the School of Business. OR
2. Take the required course at another AACSB accredited institution. (A 300- or 400-level course may only be taken at an approved four-year college or university.) St. Louis University, Washington University and University of Missouri St. Louis are the only AACSB accredited institutions in the St. Louis metropolitan area. Other institutions outside the metropolitan area may be approved if they are AACSB accredited and an equivalent or appropriate substitute course is offered at that institution.

Attendance

Because there is high demand for business courses, failure to attend the first class session may result in the student being dropped from the course.

Degrees Available at SIUE

- Bachelor of Science in Accountancy, Accountancy

Graduation Requirements

- Cumulative University GPA required: 2.5
- Accounting GPA (in all required accounting courses taken at SIUE): 2.5
- Business GPA (in all required business courses taken at SIUE): 2.25
- C or higher in Management 441 (meets University Senior Assignment)
- C or higher in courses marked with * in Degree Requirements section
- Students must complete all 300- and 400-level business course requirements at SIUE or another AACSB-accredited business school. Once admitted to the School of Business, students seeking a major or minor in the School of Business must obtain prior approval from the School of Business before taking upper-level (300- or 400-level) business course work at another institution that is intended to satisfy a major or minor requirement.

Sample Curriculum for the Bachelor of Science in Accountancy

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra (BPS)*^
(3) **ACS 101** Public Speaking*
(3) **ECON 112** Microeconomics (BSS)*
(1) **FST 101** Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics (BSS)*
(3) **ENG 102** English Composition II*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) RA 101, PHIL 212 (FRA)
(3) Breadth Fine and Performing Arts (BFPA)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Acct#
(3) **MS 250** Mathematical Methods*^
(3) QR 101 or MATH 150 (FQR)
(3) Breadth Life Science (BLS)
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) ECON 411 The Business of Healthcare or Health Experience (EH)

(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) ACCT 301 Intermediate Accounting Theory & Practice I*
(3) ACCT 315 Accounting Systems
(3) MGMT 330 Understanding the Business Environment
(1) GBA 301 Business Transitions I
13 - Total Credits

Year 3 (Spring Semester)

(3) ACCT 302 Intermediate Accounting Theory & Practice II
(3) ACCT 321 Introduction to Taxation
(3) SCM 315 Operations Management
(3) MGMT 331 Managing Group Projects
(3) CMIS 342 Information Systems for Business
15 - Total Credits

Year 4 (Fall Semester)

(3) ACCT 303 Intermediate Acct Theory & Practice III*
(3) ACCT 312 Managerial Cost Accounting II
(3) ACCT 431 Principles of Auditing
(3) MKTG 300 Principles of Marketing
(3) FIN 320 Financial Management
15 - Total Credits

Year 4 (Spring Semester)

(3) ACCT 441 Data Analytics for Accounting
(3) MGMT 441 Strategic Management*
(3) GBA 383 Business & Society (IS, ERGU or EREG)+
(1) GBA 402 Business Transitions II
(3) One of the following: ACCT 340, ACCT 401, or ACCT 421
(2) Elective
15 - Total Credits

Total Hours 120

Notes: Declared major in Accountancy is required to enroll in 300- or 400-level business courses.

*Courses that require a grade of C or better.
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250.
#B or higher required.
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions.

To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, As, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Anthropology

Admission Requirements

Pre-registration advisement with an anthropology faculty mentor is required for all declared majors.

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Anthropology major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Anthropology major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Anthropology major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for more information.

Degree Requirements

The Bachelor of Arts and Bachelor of Science are based on a common core set of courses. In addition, the Bachelor of Arts requires eight hours of the same foreign language, and the Bachelor of Science requires eight hours of any foreign language, OR six hours of international travel study, OR six hours in field school courses (Anthropology 473, 474, or 475). Options for the BS must be selected in consultation with the student's Anthropology faculty mentor and approved by the Anthropology Chair. Field school courses are offered only during the summer session. There are additional differences between the BA and BS; see Diversity of Knowledge requirements as defined among University-wide baccalaureate requirements.

Students seeking a Bachelor of Arts or Bachelor of Science in anthropology must either select a minor in another discipline or design an interdisciplinary concentration. A concentration consists of 18 credits in one or more disciplines complementary to a subfield of anthropology. The courses will be selected by the student in consultation with an anthropology faculty mentor. Anthropology courses can be included in the concentration, but the same courses cannot be counted toward both the anthropology major requirements and the concentration. A second major serves the same purpose in lieu of a minor or concentration.

Major Requirements

- ANTH 111A Human Ancestry & Adaptation
- ANTH 111B Human Culture & Communication
- ANTH 201 Anthropology in Practice
- ANTH 300 Ethnographic Method & Theory
- ANTH 325 Archaeology Method & Theory
- ANTH 360A&B Biological Anthropology Method & Theory
- ANTH 490A&B Senior Assignment

Archaeology and Biological Anthropology (select one course)

- ANTH 332 Ancient Cities of the Tigris, Euphrates, and Beyond
- ANTH 333 Aztec, Maya, and Inca Origins
- ANTH 334 Food & Culture Change
- ANTH 335 Historical Archaeology
- ANTH 336 North American Prehistory
- ANTH 366 Human Variation
- ANTH 367 Primatology
- ANTH 368 Archaeology of Death
- ANTH 369 Introduction to Forensic Anthropology
- ANTH 430 Zooarchaeology
- ANTH 432 Prehistory of Illinois

- ANTH 436 Public Archaeology
- ANTH 467 Dental Anthropology
- ANTH 468 Osteopathology
- ANTH 469 Forensic Anthropology Applications

Cultural and Linguistic Anthropology (select one course)

- ANTH 305 Peoples & Cultures of Native North America
- ANTH 308 Religion & Culture
- ANTH 312 Contemporary Native Americans
- ANTH 314 Urban Anthropology
- ANTH 316 Anthropology of the African Diaspora
- ANTH 340 Environmental Anthropology
- ANTH 350 Applied Anthropology
- ANTH 352 Medical Anthropology
- ANTH 359 Legal Anthropology
- ANTH 404 Anthropology & the Arts
- ANTH 405 Alternative Tourisms
- ANTH 408 Anthropological Theory
- ANTH 435 Cultural Heritage

Anthropology Electives: Nine hours

An additional nine hours of electives in anthropology are required. These can be courses of any level or field. Internships and individualized studies can count toward these electives.

Retention

Students must maintain a cumulative GPA of at least 2.0 to remain in good academic standing. Students whose cumulative GPA falls below 2.0 will be placed on academic probation, returned to an Exploratory major and limited to a maximum of 12 hours of enrollment per term.

General Education Requirements for the Major

University general education requirements are outlined in the undergraduate academic catalog, and included in the sample curriculum.

Degrees Available at SIUE

- Bachelor of Arts, Anthropology
- Bachelor of Science, Anthropology

Graduation Requirements

- Complete all specific program requirements.
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - A minimum average of 2.0 in all anthropology courses.
  - Bachelor of Arts only: One year of the same foreign language.
  - Bachelor of Science only: Six credits of field school, eight hours of foreign language, or six hours of international travel study.
- File an Application for Graduation by the first day of the term in which you plan to graduate.

Minor Requirements

A minor in anthropology consists of 18 hours. Six of these hours must be in 300/400-level courses. Students are required to take an introductory anthropology course (111A or 111B). The remaining hours consist of anthropology electives. Minors are encouraged to consult with the Chair of the Department of Anthropology on course selection.

Sample Curriculum for the Bachelor of Arts in Anthropology

Year 1 (Fall Semester)

(3) **ANTH 111B** Human Culture and Communication (BSS, ERGU)
(3) ENG 101 English Composition I
(4) Foreign Language 101 (BICS, EREG)
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) **ANTH 111A** Human Ancestry and Adaptation (BLS)
(3) ENG 102 English Composition II

(4) Foreign Language 102
(3) RA 101 Reasoning & Argumentation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
16 - Total Credits

Year 2 (Fall Semester)

(3) ANTH 201 Anthropology in Practice
(3) Breadth Physical Science (BPS)
(3) Breadth Humanities (BHUM)
(3) Elective/Minor (FPA or HUM)
(3) Elective/Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) ANTH Elective (cultural or linguistic)
(3) Elective/Minor (FPA or HUM)
(3) Elective/Minor (FPA or HUM)
(2) Experience - Health (EH)
(3) Elective/Minor
14 - Total Credits

Year 3 (Fall Semester)

(3) ANTH Elective (biological or archaeological)
(3) ANTH 360A Biological Method & Theory
(1) ANTH 360B Biological Lab (EL)
(3) Interdisciplinary Studies (IS)
(3) Elective/Minor
(3) Elective/Minor
16 - Total Credits

Year 3 (Spring Semester)

(3) ANTH 300 Ethnographic Method & Theory
(3) ANTH 325 Archaeological Method & Theory
(3) Elective/Minor
(3) Elective/Minor
(3) Elective/Minor
15 - Total Credits

Year 4 (Fall Semester)

(2) ANTH 490A Senior Assignment Colloquium
(1) ANTH 490B Senior Assignment Mentorship
(3) Elective/Minor (FPA or HUM)
(3) Elective/Minor
(3) Elective/Minor
12 - Total Credits

Year 4 (Spring Semester)

(3) ANTH Elective/Internship/Independent Research
(3) ANTH Elective
(3) ANTH Elective
(3) Elective/Minor
(3) Elective/Minor
15 - Total Credits

Total Hours 120

Sample Curriculum for the Bachelor of Science in Anthropology

Year 1 (Fall Semester)

(3) **ANTH 111B** Human Culture and Communication (BSS, EREG or ERGU)*
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Humanities (BHUM)
(2) Experience Health (EH)
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(3) **ANTH 111A** Human Ancestry and Adaptation (BLS)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101, MATH 150 or Higher
(3) Breadth Physical Science (BPS)
15 - Total Credits

Year 2 (Fall Semester)

(3) ANTH 201 Anthropology in Practice
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Info & Communication in Society (BICS)
(3) Elective/Minor

(3) Elective/Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) ANTH Elective (cultural or linguistic)
(3) Life, Physical, or Social Science with Lab (LS/PS/SS, EL)
(3) Global Cultures, Race, and Equity Education Experience (EREG) or U.S. Race, Gender, and Equity Experience (ERGU)*
(3) Elective/Minor
(3) Elective/Minor
15 - Total Credits

Year 2 or 3 (Summer)

(6) ANTH 473 or ANTH 474 or ANTH 475 Field School OR
(6) International Travel Study OR
(8) Foreign Language
6-8 - Total Credits

Year 3 (Fall Semester)

(3) ANTH 360A Biological Method & Theory
(1) ANTH 360B Biological Lab (EL)
(3) ANTH Elective (biological or archaeological)
(3) Interdisciplinary Studies (IS)
(3) Elective/Minor
(3) Elective/Minor
16 - Total Credits

Year 3 (Spring Semester)

(3) ANTH 300 Ethnographic Method & Theory
(3) ANTH 325 Archaeological Method & Theory (BSS)
(3) Elective/Minor
(3) Elective/Minor
12 - Total Credits

Year 4 (Fall Semester)

(2) ANTH 490A Senior Assignment Colloquium
(1) ANTH 490B Senior Assignment Mentorship
(3) Elective/Minor
(3) Elective/Minor
(3) Elective/Minor
12 - Total Credits

Year 4 (Spring Semester)

(3) ANTH Elective/Internship/Independent Research
(3) ANTH Elective
(3) ANTH Elective
(3) Elective/Minor
(0-2) Elective
12-14 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Applied Communication Studies

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Applied Communication Studies major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Applied Communication Studies major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Applied Communication Studies major in the College of Arts & Sciences.

Transfer

Students who choose to take one or more classes at another institution and apply that credit to an SIUE degree should obtain prior approval for the course from the appropriate academic advisor to make sure the course is acceptable for program credit.

- Applied communication studies majors: A maximum of 18 semester hours of transferred applied communication studies coursework could be applied to 36-hour program
- Applied communication studies minors: A maximum of nine semester hours of transferred applied communication studies coursework could be applied to 18-hour program

Degree Requirements

Major Requirements

The sample curriculum outline highlights applied communication studies courses only and assumes completion of general education courses. All applied communication studies majors are required to choose a minor course of study and complete ACS 200, 329, 330, 409 or 424 or 415 (depending on track), in addition to the track requirements identified below:

Track Option: Public Relations

Required Courses: ACS 213, 312, 313, 315, 413, 414, 415* plus two elective courses

Recommended electives: ACS 201, 203, 204, 210, 300, 303, 304, 305, 311, 331, 370, 403, 416, 421, 430, 431, 432, 433, 434, 491

Track Option: Corporate and Organizational Communication

Required Courses: ACS 203, 300, 303, 304, 403, 409* plus three elective courses

Recommended electives: ACS 201, 204, 210, 213, 305, 311, 323, 331, 370, 416, 421, 430, 431, 432, 433, 434, 491

Track Option: Interpersonal Communication

Required Courses: ACS 201, 323, 421, 422, 424*, 434, plus three elective courses

Recommended electives: ACS 203, 204, 210, 300, 303, 304, 305, 311, 331, 370, 416, 430, 433

Notes

ACS 309, ACS 419, ACS 491: No more than three credit hours per course, may be counted toward 36-hour major.

*Capstone/Senior Project Course Requirement

Students wishing to obtain a Bachelor of Arts must take two semesters of the same foreign language, as well as four additional courses in fine and performing arts or humanities.

Retention

Student must meet state and program specific retention requirements while at SIUE. These requirements include:

- Complete ACS 101 Public Speaking (or equivalent) with a grade of C or better
- Complete ACS 103 Interpersonal Communication Skills (or equivalent) with a grade of C or better
- Attain a cumulative grade point average of at least 2.0 (on a 4.0 scale)

Degrees Available at SIUE

- Bachelor of Arts, Applied Communication Studies
- Bachelor of Science, Applied Communication Studies

Graduation Requirements

Bachelor of Science in Applied Communication Studies

- Complete all general education and specific program/track requirements
- Complete all requirements for academic minor
- ACS majors must receive a grade of "C" or higher in ACS 200, ACS 329 and ACS 330
- ACS majors must achieve the minimum grade requirements specified for all track specific courses
- Have a GPA of 2.0 or above for coursework completed at SIUE
- File an Application for Graduation by the first day of the term in which you plan to graduate

Bachelor of Arts in Applied Communication Studies

Eight hours of the same foreign language, as well as four courses in fine and performing arts or humanities in lieu of additional life, physical or social science courses.

Minor Requirements

Minor in Applied Communication Studies

Admission

To be accepted as a minor in applied communication studies a student must attain a cumulative GPA of at least 2.0 (on a 4.0 scale).

Requirements

- Complete 18 semester hours of applied communication studies courses (not including courses restricted to majors only) as follows:
  - ACS 103
  - ACS 203
  - ACS 213
  - Any two courses at the 300-level
  - Any one course at the 400-level
- Have a GPA of 2.0 or above for coursework completed at SIUE
- Earn at least nine semester hours at SIUE

Note

Students should consult with their College of Arts and Sciences academic advisor at 618-650-5525 or the director of undergraduate studies in the Department of Applied Communication Studies at 618-650-3090, if help is needed identifying courses that best meet the students' academic and career interests.

Sample Curriculum for the Bachelor of Science in Applied Communication Studies

Year 1 (Fall Semester)

(3) **ACS 101 Public Speaking**
(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ACS 103** Interpersonal Communication (BICS, ERGU or EREG)*
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACS 201** (BSS), **ACS 203**, or **ACS 213**
(3) ACS Track Requirement (or recommended ACS elective)
(3) Breadth Physical Science (BPS)
(2) Health Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
14 - Total Credits

Year 2 (Spring Semester)

(3) **ACS 200** Advanced Public Speaking
(3) ACS Track Requirement (or recommended ACS elective)
(3) Life, Physical or Social Science with a lab (EL)
(3) Life, Physical or Social Science
(3) Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) ACS 329 (BSS) or ACS 330 (BSS)
(3) ACS Track Requirement (or recommended ACS elective)
(3) ACS Track Requirement (or recommended ACS elective)
(3) Interdisciplinary Studies (IS)
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) ACS 329 (BSS) or ACS 330 (BSS)
(3) ACS Track Requirement (or recommended ACS elective)
(3) ACS Track Requirement (or recommended ACS elective)
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ACS Track Requirement (or recommended ACS elective)
(3) Life, Physical or Social Science
(3) Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Spring Semester)

(3) Senior Project: ACS 409 (corporate and organizational comm. track), ACS 424 (interpersonal comm. track) or ACS 415 (public relations track)
(3) Elective
(3) Elective
(3) Elective/Minor
(3) Minor
15 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Students wishing to obtain a Bachelor of Arts must take two semesters of the same foreign language, as well as four courses in fine and performing arts and humanities rather than life, physical or social science.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Applied Communication Studies
Track Option: Corporate and Organizational Communication

Year 1 (Fall Semester)

(3) **ACS 101** Public Speaking or **ACS 103** Interpersonal Communication (BICS, ERGU or EREG)*

(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) FST 101 Succeeding and Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ACS 103** Interpersonal Communication (BICS, ERGU or EREG)* or **ACS 101** Public Speaking
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACS 203** Introduction to Organizational Communication (HUM) or **ACS 200** Advanced Public Speaking (HUM)
(3) Breadth Physical Science (BPS)
(2) Health Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
(3) Elective
14 - Total Credits

Year 2 (Spring Semester)

(3) **ACS 200** Advanced Public Speaking (HUM) or **ACS 203** Introduction to Organizational Communication (HUM)
(3) Life, Physical or Social Science with a lab (EL)
(3) Life, Physical, or Social Science
(3) Minor
(3) Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS 304 Conflict Management and Communication
(3) ACS 403 Organizational Communication Theory and Applications (BSS)
(3) Interdisciplinary Studies (IS)
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS Recommended Elective
(3) ACS Recommended Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ACS 303 Communication Training and Development
(3) ACS Recommended Elective
(3) Elective
(3) Elective
(3) Minor
15 - Total Credits

Year 4 (Spring Semester)

(3) ACS 409 Senior Project in Corporate and Organizational Communication
(3) ACS 300 Communication in Interviewing (HUM)
(3) Elective
(3) Elective/Minor
(3) Minor
15 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Students wishing to obtain a Bachelor of Arts must take two semesters of the same foreign language, as well as one additional courses in fine and performing arts or humanities instead of the additional life, physical or social sciences.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses /requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed, or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Applied Communication Studies
Track Option: Interpersonal Communication

Year 1 (Fall Semester)

(3) **ACS 101** Public Speaking or **ACS 103** Interpersonal Communication Skills (BICS, ERGU or EREG)*
(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) FST 101 Succeeding and Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ACS 103** Interpersonal Communication Skills (BICS, ERGU or EREG)* or **ACS 101** Public Speaking
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACS 201** Small Group Communication (BSS)
(3) ACS Track Recommended Elective
(3) Breadth Physical Science (BPS)
(2) Health Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
14 - Total Credits

Year 2 (Spring Semester)

(3) ACS 323 Interpersonal Communication Theory and Applications (BSS)
(3) ACS Track Recommended Elective
(3) Life, Physical or Social Science with a lab (EL)
(3)Elective
(3) Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS 421 Computer Mediated Communication
(3) ACS 422 Family Communication
(3) Interdisciplinary Studies (IS)
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS 434 Nonverbal Communication (HUM)
(3) ACS Track Recommended Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ACS 200 Advanced Public Speaking (HUM)
(3) Elective
(3) Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Spring Semester)

(3) ACS 424 Senior Project in Interpersonal Communication
(3) Elective
(3) Elective
(3) Elective/Minor
(3) Minor
15 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Students wishing to obtain a Bachelor of Arts must take two semesters of the same foreign language, as well as two additional courses in fine and performing arts or humanities rather than life, physical or social science courses.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Applied Communication Studies
Track Option: Public Relations

Year 1 (Fall Semester)

(3) **ACS 101** Public Speaking or **ACS 103** Interpersonal Communication Skills (BICS, ERGU or EREG)*
(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ACS 103** Interpersonal Communication Skills (BICS, ERGU or EREG)* or **ACS 101** Public Speaking
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACS 213** Introduction to Public Relations (HUM)
(3) ACS 312 Public Relations Theory and Application
(3) Breadth Physical Science (BPS)
(2) Health Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
14 - Total Credits

Year 2 (Spring Semester)

(3) **ACS 200** Advanced Public Speaking (HUM)
(3) ACS 313 Public Relations Writing (HUM)
(3) Life, Physical or Social Science with a lab (EL)
(3) Life, Physical, or Social Science
(3) Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS 315 Technology Applications in Public Relations (HUM)
(3) ACS Track Recommended Elective
(3) Interdisciplinary Studies (IS)
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) ACS 329 Communication Research Methods (BSS) or ACS 330 Theories of Communication (BSS)
(3) ACS 413 Case Studies in Public Relations
(3) ACS Track Recommended Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ACS 414 Public Relations Campaign I: Research and Planning

(3) Life, Physical or Social Science
(3) Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Spring Semester)

(3) ACS 415 Public Relations Campaign II: Implementation and Evaluation
(3) Elective
(3) Elective
(3) Elective/Minor
(3) Minor
15 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Students wishing to obtain a Bachelor of Arts must take two semesters of the same foreign language, rather than life, physical or social science courses.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Art And Design

Admission Requirements

Students wishing to declare their major as a Bachelor of Fine Arts degree must:

- Be in the Bachelor of Science or Bachelor of Arts: Studio Art
- Complete at least one semester at SIUE
- Attain a cumulative GPA of at least 2.5 (on a 4.0 scale) and a 3.0 average in studio courses.
- Submit application with 20 digital images from artwork with at least 10 works completed at SIUE, artist statement, unofficial transcript.

Deadline for submission: November 1 or April 1

Transfer

Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired.

Degree Requirements

Major Requirements

BFA, Art and Design

After completion of the first two years of the Bachelor of Science, art education or the Bachelor of Arts, art studio, a student may apply for admission to the Bachelor of Fine Arts (see admission requirements for the BFA).

- (12) ART 112A, B, D, E
  (18) ART 202 Intro Studio
  - (3) ART 202E (required)
  - (3) ART 202 A, C, G (1 required) - 3-D Art
  - (3) ART 202 B, D, F (1 required) - 2-D Art
  - (3) ART 202 I or H (1 required) - Digital Art
  - (6) ART 202 (electives)
- (12) ART 225A, B, Art History Electives
- (18-30) Art Studio 300/400 level (major area)
- (3) ART 405
- (3) ART 441
- (3) ART 499 - Thesis
- (69-81) Total

Retention

- Maintain a cumulative GPA of 2.5 (BFA candidate)
- Attain C or above in all art classes used as prerequisites for other art classes.
- Students failing to meet above standards may be conditionally retained. Failure to meet the conditions established by the department will result in termination from the major and ineligibility to enroll in upper-division art and design courses without written departmental permission.

Degrees Available at SIUE

- Bachelor of Fine Arts, Art and Design

Graduation Requirements

- Complete all general education and specific program requirements.
- Complete Senior Assignment
  - Art Studio: ART 405 and a final digital portfolio
  - Art and Design: ART 405 and ART 499
- File an Application for Graduation by the first day of the term in which you plan to graduate.
- BFA: A minimum of one year must be completed as a BFA before graduation.

Sample Curriculum, Bachelor of Fine Arts, Art and Design

Additional program information can be found by visiting ceramics, drawing, graphic design, metalsmithing, painting, photography, print making, sculpture and textiles.

Year 1 (Fall Semester)

(3) **ART 112A** Foundation Studio: Drawing I
(3) **ART 112B** Foundation Studio: Visual Organization I
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 150 or Higher
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ART 112D** Foundation Studio: Visual Organization II
(3) **ART 112E** Foundation Studio: Visual Organization III
(3) ENG 102 English Composition II
(3) Breadth Physical Science (BPS) with a lab (EL)
(3) RA 101 Reasoning & Argumentation or PHIL 212
15 - Total Credits

Year 2 (Fall Semester)

(3) **ART 202** I or H Introduction to Studio: Digital Art (BFPA)
(3) ART 202E Introduction to Studio (FPA)
(3) **ART 202** B, D, F Introduction to Studio: 2-D Art (FPA)
(3) **ART 225A** History of World Art (BFPA)
(3) Breadth Social Science (BSS)
15 - Total Credits

Year 2 (Spring Semester)

(3) **ART 202** A, C, G Introduction to Studio: 3-D Art
(3) **ART 202** Introduction to Studio (student choice)
(3) ART 300-400 level Major Studio
(3) **ART 225B** History of World Art (BFPA)
(3) Breadth Life Science/Health Experience (BLS, EH)
15 - Total Credits

Year 3 (Fall Semester)

(4) **Foreign Language 101** (BICS, EREG)
(3) ART 300-400 Level Major Studio or Elective
(3) **ART 202** Introduction to Studio (student choice)
(3) ART 300-400 Level Major Studio
(3) Art History Elective
16 - Total Credits

Year 3 (Spring Semester)

(4) **Foreign Language 102**
(3) Breadth Humanities (BHUM)
(3) ART 300-400 level Major Studio
(3) ART 300-400 level Major Studio
13 - Total Credits

Year 4 (Fall Semester)

(3) ART 300-400 Level Major Studio
(3) ART 300-400 Level Major Studio
(3) ART History Elective
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 4 (Spring Semester)

(3) ART 300-400 Level Major Studio or Elective
(3) ART 405 Seminar
(3) ART 441 Research in Drawing
(3) ART 300-400 Level Major Studio or Elective
(3) ART 499 Thesis
15 - Total Credits

Total Hours 120

Transfer Students: Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Visit the transfer credit website to find course equivalency guides.

Art

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Art Education, Art History, and Art Studio majors in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Art Education, Art History, and Art Studio majors in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Art Education, Art History, and Art Studio majors in the College of Arts & Sciences.

Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired.

The Bachelor of Science or Bachelor of Arts degree with a major in Art Studio is the correct degree pathway if the student's goal is a Bachelor of Fine Arts degree in Art & Design.

Requirements for Students Seeking Professional Educator Licensure

A teacher education program is a joint program by the academic discipline in the College of Arts and Sciences and the School of Education, Health and Human Behavior. Therefore, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about requirements of the teacher education program as soon as they know they would like to pursue this option. Scheduling required courses involves early and frequent coordination between the student, College of Arts and Sciences advisor, department faculty mentor, and School of Education, Health and Human Behavior advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. CIED 100 is an introductory course that is open to all students interested in pursuing the professional educator license.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to, during their program, and in order to gain the PEL. State requirements change, so the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog, or by making an appointment with an SEHHB advisor.

Degrees Available at SIUE

- Bachelor of Arts, Art (specialization required in one of the following)
  - Art History
  - Art Studio

  Bachelor of Science, Art (specialization required in one of the following)
  - Art Education, Professional Educator Licensure (K-12)
  - Art Studio

Graduation Requirements

- Complete all general education and specific program requirements.
- Complete Senior Assignment
  - Art-Studio: ART 405 and a final digital portfolio
  - Art and Design: ART 405 and ART 499
  - Art History: ART 487
  - Art Education: Teaching Portfolio, Artist Portfolio, and Student Teaching Presentation
- File an Application for Graduation by the first day

of the term in which you plan to graduate.
- BFA: A minimum of one year must be completed as a BFA before graduation.

Degree Requirements

Major Requirements

Art Education

- (12) ART 112A, ART 112B, ART 112D, ART 112E
- (15) ART 202 (ART 202E required)
- (12) ART 225A & ART 225B, Art History Electives (300/400)
- (15) Art Studio 300/400 level
- (12) ART 289, ART 300B, ART 364, ART 365
- (6) Art Electives
- (12) CIED 100, CIED 310, CIED 323, SPE 400
- (12) CI 352A, CI 451B (Student Teaching)
- (96) Total

Retention

- Maintain a cumulative GPA of 2.5 (BS)
- Attain C or above in all art classes used as prerequisites for other art classes.
- Students failing to meet the above standards may be conditionally retained. Failure to meet the conditions established by the department will result in termination from the major and ineligibility to enroll in upper-division art and design courses without written departmental permission.

Sample Curriculum for the Bachelor of Science in Art, Art Education
IL Professional Educator Licensure (K-12)

Year 1 (Fall Semester)

(3) ART 112A Foundation Studio: Drawing I
(3) ART 112B Foundation Studio: Visual Org. I
(3) ENG 101 English Composition I
(3) ACS 103 Interpersonal Communication Skills (EREG, recom) or ACS 101 Public Speaking
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Physical Science with a lab (BPS, EL)
(1) FST 101 Succeeding & Engaging at SIUE
19 - Total Credits

Year 1 (Spring Semester)

(3) ART 112D Foundation Studio: Visual Organization II
(3) ART 112E Foundation Studio: Visual Organization III
(3) ENG 102 English Composition II
(3) Breadth Social Science (BSS)
(3) Breadth Life Science (BLS)
(3) RA 101 Reasoning & Argumentation *or* PHIL 212 Inductive Logic
18 - Total Credits

Year 2 (Fall Semester)

(3) ART 202 Introduction to Studio
(3) ART 202 Introduction to Studio
(3) ART 289 Introduction to Art Education
(3) ART 225A History of World Art (BFPA)
(3) Life, Physical or Social Science elective with a lab (BLS/BPS/BSS, EL)
(3) CIED 100 Introduction to Education
18 - Total Credits

Year 2 (Spring Semester)

(3) ART 202 Introduction to Studio
(3) ART 202E Introduction to Studio: Drawing
(3) ART 225B History of World Art (BFPA)
(3) ART 364 Art Education in Middle Schools
(3) QR 101, MATH 150 or Higher
(3) Life, Physical, or Social Science elective with Health Experience (BLS/BPS/BSS, EH)
18 - Total Credits

Year 3 (Fall Semester)

(3) Interdisciplinary Studies course with Life, Physical or Social Science attribute (BLS/BPS/BSS, IS)
(3) ART 300-400-Level Art Studio
(3) Art History Elective (choose one with BHUM attribute)
(3) ART 365 Art Education in High Schools
(3) ART 202 Introduction to Studio
(3) Art Elective
18 - Total Credits

Year 3 (Spring Semester)

(3) ART 300-400-level Art Studio
(3) ART 300-400-level Art Studio
(3) Life, Physical or Social Science elective (BLS/BPS/BSS)
(3) ART 300B Art Education in Elementary Schools
(3) CIED 310 Socially Just Instructional Practices for All Students (ERGU)
(3) CIED 323 Adolescent Disciplinary Literacy
18 - Total Credits

Year 4 (Fall Semester)

(3) ART 300-400-level Art Studio
(3) ART 300-400-level Art Studio
(3) Life, Physical or Social Science elective (BLS/BPS/BSS)
(3) SPE 400 The Exceptional Child
(3) Art History Elective
(3) Art Elective
18 - Total Credits

Year 4 (Spring Semester)

(6) CI 352A Student Teaching-Secondary
(6) CI 451B Student Teaching-Elementary
12 - Total Credits

Total Hours 139

Notes: Students must select 15 hours from ART 202A, B, C, D, E, F, G, H or I.

Transfer Students: Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Visit the transfer credit website to find course equivalency guides.

Degree Requirements

Major Requirements

Art History
(6) ART 225A, B

(39) 400-level art history courses. Choose from the following (at least two must be non-Western topics, two must be pre-1700 (pre-modern) topics, and two must be post-1700 (modern) topics:

- ART 424
- ART 449, 467
- ART 470 (repeatable to 15 hours)
- ART 471 (repeatable to 15 hours)
- ART 472 (repeatable to 15 hours)
- ART 473, 475, 476, 480, 481, 482
- ART 474 (repeatable to 15 hours)
- ART 483 (repeatable to nine hours)

(6) Studio Art Courses
(3) ART 485: Theories and Methods Art History
(3) ART 487: Senior Capstone in Art History
(6) Electives

(63) Total

Selected courses from history, philosophy, and anthropology are recommended, in consultation with art history professors.

Retention

- Maintain a cumulative GPA of 2.0 (BA)
- Attain C or above in all art classes used as prerequisites for other art classes.
- Students failing to meet above standards may be conditionally retained. Failure to meet the conditions established by the department will result in termination from the major and ineligibility to enroll in upper-division art and design courses without written departmental permission.

Minor – Art History Requirements (18 hours)

- ART 225A,B

12 hours from the following:

- ART 424
- ART 449, 451
- ART 470 (repeatable to 15 hours)
- ART 473, 475, 476, 480
- ART 481
- ART 483

Sample Curriculum for the Bachelor of Arts in Art, Art History

Year 1 (Fall Semester)

(3) **ART 225A** History of Western Art: Prehistoric through Medieval (BFPA)
(3) ENG 101 English Composition I
(4) Foreign Language 101 (BICS, EREG)
(3) Breadth Humanities (BHUM)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) **ART 225B** History of Western Art: Renaissance to Present (BFPA)
(3) ENG 102 English Composition II
(4) **Foreign Language 102**
(3) RA 101 Reasoning & Argumentation or PHIL 212
(3) Breadth Social Science (BSS)
16 - Total Credits

Year 2 (Fall Semester)

(3) Art History 400 level (FPA)
(3) Art History 400 level (FPA)
(3) Breadth Physical Science (BPS) with a lab (EL)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) QR 101, MATH 150 or Higher
15 - Total Credits

Year 2 (Spring Semester)

(3) Art History 400 level (FPA)
(3) Art History 400 level
(3) Breadth Life Science (BLS)
(3) Health Experience (EH)
(3) Minor/Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) Art History 400 level
(3) Art History 400 level
(3) Art History 400 level
(3) Interdisciplinary Studies (IS)
(3) Minor/Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) Art History 400 level
(3) Art History 400 level
(3) Art Studio Elective
(3) Minor/Elective
(3) Minor/Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) Art History 400 level
(3) Art History 400 level
(3) Art Studio Elective
(3) Minor/Elective
(3) Minor/Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) Art History 400 level
(3) Art History 400 level
(3) ART 485 Theories and Methods of Art History
(3) ART 487 Senior Capstone in Art History
12 - Total Credits

Total Hours 120

Notes: Minor/Elective must consist of 29 hours. It is possible to pursue a double major or have two minors that utilize the hours allowed for elective/minor within this major.

Transfer Students: Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Visit the transfer credit website to find course equivalency guides.

Major Requirements

Art Studio (BA or BS)

- (12) ART 112A,B,D, E
- (18) ART 202 - Intro Studios
  - (3) ART 202E (required)
  - (3) ART 202 A, C, G (1 required): 3-D Art
  - (3) ART 202 B, D, F (1 required): 2-D Art
  - (3) ART 202 I or H (1 required): Digital Art
  - (6) ART 202 (electives)
- (12) ART 225A,B, Art History Elective
- (12) Art Studio 300/400 level (major area)
- (9) Art Studio 300/400 level (non-major area)
- (3) ART 405
- (66) Total

Retention

- Maintain a cumulative GPA of 2.0 (BA or BS)
- Attain C or above in all art classes used as prerequisites for other art classes.
- Students failing to meet above standards may be conditionally retained. Failure to meet the conditions established by the department will result in termination from the major and ineligibility to enroll in upper-division art and design courses without written departmental permission.

Minor – Art Studio Requirements (18 hours)

- ART 112A (required)

Choose one for appropriate track:

- ART 112B (required for 2-D/Digital track)
- ART 112D (required for 3-D track)

Tracks

2-D (Choose two of the following courses - 6 hours)

- ART 202B
- ART 202D
- ART 202E
- ART 202F

Degree Requirements

3-D (Choose two of the following courses - 6 hours)

- ART 202A
- ART 202C
- ART 202G

Digital (Choose two of the following courses - 6 hours)

- ART 202H
- ART 202I

Art Studio 300/400 level (major area -6 hours)

Sample Curriculum, Bachelor of Arts in Art, Art Studio

Additional program information can be found by visiting ceramics, drawing, graphic design, metalsmithing, painting, photography, print making, sculpture and textiles.

Year 1 Fall Semester

(3) **ART 112A** Foundation Studio: Drawing I
(3) **ART 112B** Foundation Studio: Visual Organization I
(3) ENG 101 English Composition I
(3) Breadth Humanities (BHUM)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **ART 112D** Foundation Studio: Visual Organization II
(3) **ART 112E** Foundation Studio: Visual Organization III
(3) ENG 102 English Composition II
(3) Breadth Life Science (BLS) with a lab (EL)
(3) Breadth Social Science (BSS)
15 - Total Credits

Year 2 Fall Semester

(3) **ART 202E** Introduction to Studio (FPA)
(3) **ART 202** I or H Introduction to Studio: Digital

Art (BFPA)
(3) **ART 202** B, D or F Introduction to Studio: 2-D Art (FPA)
(3) **ART 225A** History of World Art (BFPA)
(3) Breadth Physical Science (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
18 - Total Credits

Year 2 Spring Semester

(3) **ART 202 A, C or G** Introduction to Studio: 3-D Art
(3) **ART 202** Introduction to Studio (student choice)
(3) ART 300-400-level Non-Major Studio
(3) **ART 225B** History of World Art (BFPA)
(3) QR 101, MATH 150 or Higher
15 - Total Credits

Year 3 Fall Semester

(4) **Foreign Language 101** (BICS, EREG)
(3) Breadth Fine & Performing Arts or Humanities
(3) **ART 202** Introduction to Studio (student choice)
(3) ART 300-400-level Major Studio
(3) Art History Elective (FPA)
16 - Total Credits

Year 3 Spring Semester

(4) **Foreign Language 102**
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) ART 300-400-level Major Art Studio
(3) ART 300-400-level Non-Major Studio
(3) Elective
16 - Total Credits

Year 4 Fall Semester

(3) ART 300-400-level Major Studio
(3) ART 300-400-level Non-Major Studio
(3) Art History Elective
(3) Interdisciplinary Studies (IS)
12 - Total Credits

Year 4 Spring Semester

(3) ART 300-400-level Major Studio
(3) **ART 405** Seminar
(3) Elective
(3) Health Experience (EH)
12 - Total Credits

Total Hours 120

Sample Curriculum, Bachelor of Science in Art, Art Studio

Year 1 Fall Semester

(3) **ART 112A** Foundation Studio: Drawing I
(3) **ART 112B** Foundation Studio: Visual Organization I
(3) ENG 101 English Composition I
(3) Breadth Humanities (BHUM)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills (ERGU or EREG; recom)*
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **ART 112D** Foundation Studio: Visual Organization II
(3) **ART 112E** Foundation Studio: Visual Organization III
(3) ENG 102 English Composition II
(3) Breadth Life Science (BLS) with a lab (EL)
(3) RA 101 Reasoning & Argumentation or PHIL 212
15 - Total Credits

Year 2 Fall Semester

(3) **ART 202E** Introduction to Studio
(3) **ART 202** I or H Introduction to Studio: Digital Art
(3) **ART 225A** History of World Art (BFPA)
(3) Breadth Information & Communication in Society (BICS)
(3) QR 101, MATH 150 or Higher
15 - Total Credits

Year 2 Spring Semester

(3) **ART 202** B, D or F Introduction to Studio: 2-D Art
(3) **ART 202** A, C or G Introduction to Studio: 3-D Art
(3) ART 300-400-level Major Studio
(3) **ART 225B** History of World Art
(3) Breadth Physical Sciences (BPS)
15 - Total Credits

Year 3 Fall Semester

(3) ART 300-400-level Major Studio
(3) ART 300-400-level Non-Major Studio
(3) **ART 202** Introduction to Studio (student choice)
(3) Physical Science, Social Science, or Life Science (EL)
(3) Art History Elective
15 - Total Credits

Year 3 Spring Semester

(3) ART 300-400-level Major Studio
(3) ART 300-400-level Non-Major Studio
(3) **ART 202** Introduction to Studio (student choice)
(2) Health Experience (EH)
(3) Art History Elective
14 - Total Credits

Year 4 Fall Semester

(3) ART 300-400-level Major Studio
(3) Breadth Social Science (BSS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(3) Art Elective (recommended)
(3) Interdisciplinary Studies (IS)
(3) Physical Science, Social Science, or Life Science
15 - Total Credits

Year 4 Spring Semester

(3) ART 300-400-level Non-Major Studio
(3) ART 405 Seminar
(3) Physical Science, Social Science, or Life Science
(3) Physical Science, Social Science, or Life Science
(3) Physical Science, Social Science, or Life Science
15 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Notes: A grade of C or higher is required for those classes used as prerequisites for another (i.e.: ART 112A, B, D, E; ART 225A, B; and any 200-level course for required major or advanced electives in art).

Transfer Students: Transfer students should contact the department for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Visit the transfer credit website to find course equivalency guides.

Biological Sciences

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Biological Sciences major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Biological Sciences major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Biological Sciences major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for additional information.

Degree Requirements

Core Requirements

- BIOL 150
- BIOL 151
- BIOL 220

Chemistry Requirements

- CHEM 121A, 121B
- CHEM 125A, 125B
- CHEM 241A, 241B*
- CHEM 245*
  (*CHEM 241B and 245 exempt for Professional Education Licensure)

Complete one of the following specializations:

Ecology, Evolution and Conservation

- BIOL 327
- BIOL 365
- BIOL 492
- BIOL 492M or 497

Biology, Ecology, Evolution and Conservation (EEC) Electives (12-14 hours)

- BIOL 321, 371, 422A, 423, 427, 428, 434, 435, 436, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 480, 483, 485, 486, 487, 488, 489

Two 400-level courses required. Three courses must have labs, among which must be at least one field course and at least one diversity course.

One course from Genetics and Cellular Biology (GCB) Electives

- BIOL 319, 335, 337, 350, 416, 418A, 420, 421, 422A, 425, 431, 432, 436, 451, 452, 455A, 475

Mathematics/Physics Requirements

- STAT 244 or BIOL 417
- [(PHYS 111 or PHYS 131/131L and MATH 145 or 150)] or [(PHYS 131/131L and PHYS 132/132L) or (PHYS 151/151L and PHYS 152/152L) and (MATH 125 or 145 or 150)]

Genetics and Cellular Biology

- BIOL 319
- BIOL 418A, 418B, or 452
- BIOL 492
- BIOL 492M or 497
- CHEM 351, 352 or CHEM 451A, 451B

Biology Genetics and Cellular Biology (GCB) Electives

- BIOL 335, 337, 350, 416, 418A, 418B, 420, 421, 422A, 425, 431, 432, 436, 451, 452, 455A, 475

Two of the above must be taken, including at least one lab course if 418B is not taken.

Biology GCB Electives

At least one additional 300-400-level BIOL elective must be taken from courses not on the GCB list above.

Mathematics/Physics Requirements

- MATH 145 or 150
- STAT 244
- (PHYS 131/131L and PHYS 132/132L) or (PHYS 151/151L and PHYS 152/152L)

Integrative Biology

- BIOL 492
- BIOL 492M or 497

One course from the Ecology, Evolution and Conservation (EEC) area:

- BIOL 321, 327, 365, 371, 422A, 423, 427, 428, 434, 435, 436, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 480, 483, 485, 486, 487, 488, 489

One course from the Biological Diversity (DIV) area:

- BIOL 321, 350, 428, 457, 462, 471, 474, 480, 483, 485, 486, 487, 488

One course from the Morphology, Physiology and Development (MPD) area:

- BIOL 330, 337, 340, 416, 423, 424, 425, 426, 434, 440, 441, 444A, 457, 461, 467, 472, 473, 481, 489

One course from the Genetics and Cellular Biology (GCB) area:

- BIOL 319, 335, 337, 350, 416, 418A, 418B, 420, 421, 422A, 425, 426, 431, 432, 436, 451, 452, 455A, 475

Biological Sciences Electives (8-12 hours)

Two BIOL lecture courses must be taken at the 400-level, and three BIOL courses above 220 must have a laboratory requirement. No course may be used for credit in more than one area.

Mathematics/Physics Requirements

- STAT 244 or BIOL 417
- [(PHYS 111 or PHYS 131/131L and MATH 145 or 150)] or [(PHYS 131/131L and PHYS 132/132L) or (PHYS 151/151L and PHYS 152/152L) and (MATH 125 or 145 or 150)]

Medical Science

- BIOL 319
- BIOL 340
- CHEM 351, 352, or CHEM 451A, 451B
- BIOL 492
- BIOL 492M or 497

Biology Electives (10 hours)

Must include one 400-level elective course.

Mathematics/Physics Requirements

- MATH 145 or 150
- STAT 244
- (PHYS 131/131L and PHYS 132/132L) or (PHYS 151/151L and PHYS 152/152L)

Medical Technology

- BIOL 319
- BIOL 335
- BIOL 340
- BIOL 350
- CHEM 351

Mathematics/Physics Requirements

- MATH 125
- STAT 107 or 244
- (PHYS 131/131L and PHYS 132/132L) or (PHYS 151/151L and PHYS 152/152L)

Hospital Rotation (36 hours of BIOL 495 A, B, C, D, E, or F): As biology majors, students in the medical technology curriculum take three years of prescribed coursework at SIUE, then complete a fourth year of clinical/professional study in the clinical laboratory at one of SIUE's affiliated hospitals. These students are not in residence on the SIUE campus during their senior year. Intern

students move to the vicinity of the hospitals in St. Louis, MO or Peoria, IL. The department views the senior assignment for medical technology students in two ways:

- (1) successful completion of the hospital calendar year education program
- (2) achieving eligibility to apply for examination by the Board of Registry of the American Society of Clinical Pathologists, the certifying professional body in the United States.

An outcome assessment also is provided by the scores received on the registry examination, which compares SIUE students' performance with other students in the United States who take the examination at the same time.

Advisement

Students interested in majoring in one of the options in biology are advised to declare a major as early as possible and to consult with an advisor without delay. Students are informed of advisement procedures and assigned an academic advisor. Students are required by the University to consult an advisor prior to registration each term. Biology, particularly specializations in medical sciences, teacher licensure (9-12), and medical technology, requires strict course sequencing if requirements are to be completed in four years. An appointment for advisement may be made by calling the CAS Advising Office at 618-650-5525. An advisor will help prepare a program of study in biological sciences in any one of the six specializations.

Academic Standards

All students pursuing a major in the biological sciences must adhere to the following academic standards in addition to those listed above:

- A grade of C or better is required in each of the major core courses (BIOL 150, 151, 220).
- No more than four hours of D may be counted in the 38 hours required for a major in the biological sciences.
- The GPA in the major is based on all biological sciences courses attempted at SIUE.
- Any student who receives four grades of D, F, or WF in biology courses numbered 220 or lower is no longer permitted to enroll in biology classes for credit toward a biology major.

Residency and Other Requirements

Majors in biological sciences must complete at least 18 of the required hours in biology at SIUE. At least two 400-level courses must be included in the 18 hours. Students may take as many as eight hours of 491 and 493 together as electives, but these will not fulfill the 400-level course requirements. For graduation, all specializations require 26 hours in biology beyond the introductory level (BIOL 150, 151, 220). Credit for a biology major will be awarded for courses cross-listed with the biology curriculum. One year of a foreign language and six fine and performing arts or humanities is required for the Bachelor of Arts in all specializations. Students seeking a minor in biological sciences must complete at least nine of the 19 hours of biology at SIUE and obtain a GPA of 2.0 or better in all biology courses attempted at SIUE.

Retention

Students should show satisfactory academic progress to be retained in a degree program. Students may be dropped from the biology major for any of the following reasons:

- GPA of 1.0 or below in any term
- Cumulative GPA of lower than 2.0 in the major at any time
- Any combination of withdrawal, incomplete, and failing grades in 50% or more of the courses for which the student is registered during two successive terms
- Any combination of three withdrawal, incomplete, or failing grades in any single required course in biology.
- For readmission, students must meet the same admission requirements as students entering the program for the first time.

Degrees Available at SIUE

- Bachelor of Science, Biological Sciences
- Bachelor of Arts, Biological Sciences

  Specialization required in one of the following:

- Ecology, Evolution and Conservation
- Genetics and Cellular Biology
- Integrative Biology
- Medical Science
- Medical Technology

- Professional Educator Licensure (9-12) program

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0 (2.5 cumulative GPA is required for Professional Educator Licensure as well as a 2.5 science GPA, no grade lower than a C)
  - Bachelor of Arts only: One year of the same foreign language and six courses in the fine and performing arts or humanities
- File an Application for Graduation by the first day of the term in which you plan to graduate

Combined Bachelor of Science and Doctor of Dental Medicine Program (3+4)

A combined arts and sciences dental curriculum that leads to the degrees of Bachelor of Science and Doctor of Dental Medicine (BS/DMD) is available for students interested in attending SIUE for their undergraduate degree. The pre-professional part of the curriculum is completed in just three years on the Edwardsville campus, and the four-year professional portion at the SIU School of Dental Medicine in Alton, Ill.

Students interested in the dental program or the combined baccalaureate in biology/doctorate in dentistry (BS/DMD) program should contact:

Office of Admissions and Records
Southern Illinois University School of Dental Medicine
2800 College Avenue
Alton, IL 62002
siue.edu/dental
618-474-7170

Minor Requirements in Biological Sciences

Students wishing to complete a minor in biological sciences must take a minimum of 19 hours of biology courses, at least nine of which must be completed at SIUE, with a GPA of 2.0 or higher in all biology courses attempted at SIUE. Due to the sequencing of courses, students are advised that it will normally take at least two years to complete the minor.

Courses must include the following: BIOL 150, 151, and 220 (a grade of C or better is required in each of these courses before proceeding to the next course).

The remaining hours may be completed with any course in biological sciences except 111, 491, 493 or 494. All the courses in this group have a chemistry prerequisite. Students who have completed BIOL 240A and 240B may use CHEM 120A/B and CHEM 124A/B in lieu of CHEM 121A/B and CHEM 125A/B for the BIOL minor; BIOL majors are required to complete CHEM 121A/B and CHEM 125A/B. Please consult the biology advisor for details.

Sample Curriculum for the Bachelor of Science in Biological Sciences, Ecology, Evolution and Conservation

The first two years of biology and chemistry courses are identical for all specializations. Students pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(3) MATH 125 Pre-Calculus Mathematics with Trigonometry** (BPS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)

(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communication Skills or ACS 101 Public Speaking
15 - Total Credits

Year 2 Fall Semester

(4) **BIOL 220** Genetics
(3) **CHEM 241A** Organic Chemistry I (BPS)
(4) **STAT 244** Statistics or BIOL 417 Quantitative Methods in Experimental Biology (BICS)
(3) Breadth Social Sciences (BSS)
(3) RA 101 Reasoning and Argumentation or PHIL 212
17 - Total Credits

Year 2 Spring Semester

(4) BIOL 365 Ecology
(3) **CHEM 241B** Organic Chemistry II (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(3 or 5) QR 101, MATH 145 or MATH 150 **
(3) Breadth Humanities (BHUM)
15 or 17 - Total Credits

Year 3 Fall Semester

(4) BIOL GCB Elective 300-400 level
(5) **PHYS 131/PHYS 131L** College Physics I** or **PHYS 151/PHYS 151L** University Physics and Lab**
(3) Breadth Fine & Performing Arts (BFPA)
(3) Health Experience (EH)
15 - Total Credits

Year 3 Spring Semester

(3) BIOL 327 Evolution
(3) BIOL EEC 300-400 Level
(5) **PHYS 132/PHYS 132L** College Physics** or **PHYS 152/PHYS 152L** University Physics II and Lab**
(3) Elective
14 - Total Credits

Year 4 Fall Semester

(1) BIOL 492 Biological Sci Colloquium I
(4) BIOL EEC Elective 400 Level
(3) Interdisciplinary Studies (IS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) BIOL EEC 300-400 Level
14 - Total Credits

Year 4 Spring Semester

(1) BIOL 492M or BIOL 497
(4) BIOL EEC Elective 400 Level
(3) BIOL 300-400 Elective (recommended)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Elective, if needed
14 - Total Credits

Total Hours 120

** Students may substitute MATH 145/150 and PHYS 111 or PHYS 131/131L in place of MATH 125 and PHYS 131/131L & 132/132L or PHYS 151/151L & 152/152L.

Transfer Students: To maximize your transfer experience, complete the **bolded courses**/requirements pre-transfer **AND** satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Biological Sciences, Genetics and Cellular Biology

The first two years of biology and chemistry courses are identical for all specializations. Students pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 145** Calculus for Life Sciences (FQR)
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communication Skills
or ACS 101 Public Speaking
15 - Total Credits

Year 2 Fall Semester

(4) **BIOL 220** Genetics (BLS)
(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) RA 101 Reasoning & Argumentation
(4) STAT 244 Statistics (BICS)
(3) Breadth Humanities (BHUM)
17 - Total Credits

Year 2 Spring Semester

(4) BIOL 319 Cell & Molecular Biology
(3) **CHEM 241B** Organic Chemistry II (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(3) Breadth Fine & Performing Arts (BFPA)
(3) Elective
15 - Total Credits

Year 3 Fall Semester

(4) BIOL Non-GCB Elective
(3) CHEM 351 Biochemistry I or CHEM 451A Biochemistry
(5) **PHYS 131/PHYS 131L** College Physics I or **PHYS 151/PHYS 151L** University Physics I
(3) Elective
15 - Total Credits

Year 3 Spring Semester

(3) CHEM 352 Biochemistry II or CHEM 451B Biochemistry
(5) **PHYS 132/PHYS 132L** College Physics II or **PHYS 152/PHYS 152L** University Physics II
(3) Breadth Social Science (BSS)
(3) Elective
14 - Total Credits

Year 4 Fall Semester

(4) BIOL GCB Elective 300 or 400 Level
(1) BIOL 492 Biological Sci Colloquium I
(3) BIOL 418A or BIOL 452
(3) Interdisciplinary Studies (IS)
(2) Health Experience (EH)
13 - Total Credits

Year 4 Spring Semester

(3) BIOL GCB Elective 400 Level
(1) BIOL 492M or BIOL 497
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
13 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded courses**/requirements pre-transfer AND satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, As, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Biological Sciences, Integrative Biology

The first two years of biology and chemistry courses are identical for all specializations. Students

pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(3) **MATH 125** Pre-Calculus Mathematics with Trigonometry (BPS)**
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(3) **ACS 101** Public Speaking or ACS 103 Interpersonal Communication Skills
15 - Total Credits

Year 2 Fall Semester

(4) **BIOL 220** Genetics (BLS)
(3) **CHEM 241A** Organic Chemistry I (BPS)
(4) **STAT 244** Statistics or BIOL 417 Quantitative Methods in Experimental Biology (BICS)
(3 or 5) QR 101, MATH 145, or MATH 150**
14 or 16 - Total Credits

Year 2 Spring Semester

(3-4) BIOL Ecology, Evolution & Environment Elective
(3) **CHEM 241B** Organic Chemistry II
(2) **CHEM 245** Organic Chemistry Lab
(3) RA 101 Reasoning & Argumentation or PHIL 212
(3) Experience U.S. Race, Gender, and Equity (ERGU)
14-15 - Total Credits

Year 3 Fall Semester

(4) BIOL Elective
(5) **PHYS 131/PHYS 131L** College Physics I** or **PHYS 151/PHYS 151L** University Physics and Lab**
(3) Breadth Social Science (BSS)
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 3 Spring Semester

(3-4) BIOL Biological Diversity Elective
(3-4) BIOL Morphology, Physiology & Development Elective
(5) **PHYS 132/PHYS 132L** College Physics II** or **PHYS 152/PHYS 152L** University Physics II and Lab**
(3) Breadth Humanities (BHUM)
14-16 - Total Credits

Year 4 Fall Semester

(1) BIOL 492 Biological Sciences Colloquium I
(3) BIOL Elective 400 Level
(3-4) BIOL Cellular & Molecular Biology Elective
(3) Interdisciplinary Studies (IS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective, if needed
16-17 - Total Credits

Year 4 Spring Semester

(1) BIOL 492M or BIOL 497
(3) BIOL Elective 400 Level
(3) BIOL Elective (recommended)
(3) Health Experience (EH)
(3) Elective
(3) Elective, if needed
16 - Total Credits

Total Hours 120

** Students may substitute MATH 145/150 and PHYS 111 or PHYS 131/131L in place of MATH 125 and PHYS 131/131L & 132/132L or PHYS 151/151L & 152/152L.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Biological Sciences, Medical Science

The first two years of biology and chemistry courses are identical for all specializations. Students pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 145** Calculus for Life Sciences (FQR)
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
15 - Total Credits

Year 2 Fall Semester

(4) **BIOL 220** Genetics (BLS)
(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
(4) **STAT 244** Statistics (BICS)
(3) Breadth Humanities (BHUM)
17 - Total Credits

Year 2 Spring Semester

(4) BIOL 319 Cell & Molecular Biology
(3) **CHEM 241B** Organic Chemistry II (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(5) **PHYS 131/PHYS 131L** College Physics I or **PHYS 151/PHYS 151L** University Physics I
14 - Total Credits

Year 3 Fall Semester

(5) **PHYS 132/PHYS 132L** College Physics II or **PHYS 152/PHYS 152L** University Physics II
(3) Breadth Social Science (BSS)
(3) BIOL Elective (recommended)
(3) Breadth Fine & Performing Arts (BFPA)
14 - Total Credits

Year 3 Spring Semester

(4) BIOL 340 Physiology (EH)
(3-4) BIOL Elective (300-400 Level)
(2) Elective, if needed
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
15-16 - Total Credits

Year 4 Fall Semester

(1) BIOL 492 Biological Sciences Colloquium I
(4) BIOL Elective (400 Level)
(3) CHEM 351 Biochemistry I
(3) Interdisciplinary Studies (IS)
(3) Elective
14 - Total Credits

Year 4 Spring Semester

(2) BIOL 492M or BIOL 497
(3) CHEM 352 Biochemistry II
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3-4) BIOL Elective (300-400 Level)
(2) Elective
13-14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Biological Sciences, Medical Technology

The first two years of biology and chemistry courses are identical for all specializations. Students pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(3) **MATH 125** Pre-Calculus Mathematics with Trigonometry
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communication Skills (EREG or ERGU; recom)* or ACS 101 Public Speaking
15 - Total Credits

Year 2 Fall Semester

(4) **BIOL 220** Genetics
(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
(3) QR 101, MATH 145, or MATH 150
(3-4) **STAT 107** Concepts of Stats/**STAT 244** Statistics (BICS)
16-17 - Total Credits

Year 2 Spring Semester

(4) BIOL 319 Cell & Molecular Biology
(3) **CHEM 241B** Organic Chemistry II (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(3) Breadth Social Science (BSS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(5) **PHYS 131/PHYS 131L** College Physics I
17 - Total Credits

Year 3 Fall Semester

(4) BIOL 350 Microbiology
(3) CHEM 351 Biochemistry
(5) **PHYS 132/PHYS 132L** College Physics II
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 3 Spring Semester

(4) BIOL 340 Physiology
(3) BIOL 335 Introduction to Immunology
(3) Breadth Humanities (BHUM)
(2) Health Experience (EH)
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 4 Fall Semester

(18) BIOL 495A, BIOL 495B, BIOL 495C, BIOL 495D, BIOL 495E, or BIOL 495F Clinical Topics in Medical Technology
18 - Total Credits

Year 4 Spring Semester

(18) BIOL 495A, BIOL 495B, BIOL 495C, BIOL 495D, BIOL 495E, or BIOL 495F Clinical Topics in Medical Technology

18 - Total Credits

Total Hours 130-131

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI)General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for Students Seeking Professional Educator Licensure

A teacher education program is a joint program by the academic discipline in the College of Arts and Sciences and the School of Education, Health and Human Behavior. Therefore, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about requirements of the teacher education program as soon as they know they would like to pursue this option. Scheduling required courses involves early and frequent coordination between the student, College of Arts and Sciences advisor, department faculty mentor, and School of Education, Health and Human Behavior advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog, or by making an appointment with an SEHHB advisor.

Sample Curriculum for the Bachelor of Science in Biological Sciences
Professional Educator Licensure (9-12) Option

Students pursuing a Bachelor of Arts will complete six courses in fine and performing arts or humanities, including one year of the same foreign language.

Year 1 Fall Semester

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(3) ACS 103 Interpersonal Communication Skills (EREG) or ACS 101 Public Speaking
(3) RA 101 Reasoning & Argumentation or PHIL 212
(1) FST 101 Succeeding & Engaging at SIUE
19 - Total Credits

Year 1 Spring Semester

(4) **BIOL 151** Biology II (BLS)
(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II
(3) ENG 102 English Composition II
(5) MATH 145 Calculus for the Life Sciences (FQR)
17 - Total Credits

Year 2 Fall Semester

(4) BIOL 220 Genetics (BLS)
(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) **GEOG 210** Physical Geography (BPS)
(0) Health Experience (EH)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Social Science (BSS)/Global Cultures, Race, & Equity Education Experience (EREG)
16 - Total Credits

Year 2 Spring Semester

(3-4) BIOL CM Elective (BIOL 319, BIOL 335, BIOL 337, BIOL 350, BIOL 416, BIOL 421, BIOL 422A)
(4) BIOL 417 Quant Methods in Experimental

Biology (Recommended) or STAT 244
(3) BIOL 327 Evolution
(4) BIOL 400-Level Elective with lab (EL)
(3) Breadth Humanities (BHUM)
17-18 - Total Credits

Year 3 Fall Semester

(4) BIOL 365 Ecology
(5) **PHYS 131/PHYS 131L** College Physics I or **PHYS 151/PHYS 151L** University Physics
(3) CIED 312 Language and Communication (BICS)
(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) IT 300 Digital Learning and Communication
19 - Total Credits

Year 3 Spring Semester

(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) SPE 400 The Exceptional Child
(4) BIOL AP Elective (BIOL 340, BIOL 440, BIOL 467, BIOL 489 or [BIOL 240A & BIOL 240B])
(5) **PHYS 132/PHYS 132L** College Physics II or **PHYS 152/PHYS 152L** University Physics
(3) Interdisciplinary Studies (IS)
19 - Total Credits

Year 4 Fall Semester

(1) BIOL 492 Senior Colloquium
(3) BIOL 494 Methods of Teaching Science in Secondary Schools
(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(3) CIED 311 Differentiated Instruction
(1) CIED 304 Field Experience IV
14 - Total Credits

Year 4 Spring Semester

(10) CIED 455B 9-12 Student Teaching - Biology
(2) CIED 456 9-12 Senior Seminar
(1) BIOL 497 Senior Assignment
13 - Total Credits

Total Hours 134-135

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Business Administration

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the School of Business. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Business provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Business.

The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses.

Progression
Once students have completed ENG 101, ENG 102, MATH 120, ACS 101, ECON 111, ECON 112, and CMIS 108 with at least a grade of C or higher in each course and have an SIUE GPA 2.25 or higher, they will be classified as a Business Administration (BSBA) major with a specialization.

Retention
Students who fail to maintain at least a 2.25 cumulative SIUE GPA will be placed on School of Business probation. Students will be notified when they are not meeting the cumulative GPA retention standard and will be informed of the timeframe allowed to improve their GPA. Students who do not meet retention requirements for two consecutive terms will be removed from the School of Business (Direct Entry School of Business and Business Administration BSBA).

Also Available
Accelerated Online Bachelor of Science in Business Administration

Degree Requirements

Lincoln Program General Education Requirements

* Courses that require a grade of C or higher.

First Semester Transition

- FST 101*

Foundation Courses (5 required)

- ENG 101*
- ENG 102*
- ACS 101*
- RA 101
- QR 101

Breadth Area Courses (6 required)

- ECON 111* (meets Breadth Social Science (BSS) major requirement)
- Breadth Humanities (BHUM) course
- Breadth Fine and Performing Arts (BFPA) course
- MATH 120* (meets Breadth Physical Science (BPS) major requirement)
- Breadth Life Sciences (BLS) course
- CMIS 108* (meets Breadth Information and Communication in Society (BICS) major requirement)

Experiences Requirements

- Experience Laboratory (EL) (MS 251, major requirement, will meet one EL science requirement)
- Global Cultures, Race, and Equity Education (EREG) or U.S. Race, Gender, and Equity (ERGU) (GBA 383, major requirement, will meet either EREG or ERGU but not both)
- Health Experience (EH)

Additional General Education Requirements

- Interdisciplinary Studies (met by GBA 383, major requirement)

Bachelor of Science Requirements

To complete a Bachelor of Science at SIUE, students must have a total of at least eight courses in the sciences (life, physical or social) including, as part of those eight courses, two courses designated as labs (EL). The courses listed below are included as a part of the required courses for the major or as a part of the Breadth Area requirements.

1. Social, Physical, or Life Science Course (students must choose a course with a lab, EL, to fulfill this requirement)
2. ECON 111* (required for all business majors, also used for Breadth Area Course, see above)
3. ECON 112* (required for all business majors, see above)
4. MATH 120* (required for all business majors, also used for Breadth Area Course, see above)
5. MS 250* (required for all business majors, see below)
6. MS 251* (required for all business majors, see below)
7. GBA 383 (required for all business majors, see above)
8. Breadth Life Science Course (see Breadth Area Life Sciences course above)

Students should consult with an academic advisor to ensure proper completion of Lincoln Program general education requirements.

Business Administration Major Requirements

- ACCT 200*, 210*, CMIS 108*, 342, ECON 111*, 112*, ENG 101*, 102*, FIN 320, GBA 301, 383, 402, MATH 120*^, MGMT 330, 331, 441*, MS 250*^, 251*, MKTG 300, SCM 315, ACS 101*

Specialization Courses (see below)

*Courses that require a grade of C or better
^Students may substitute MATH 150 (with a grade of C or higher) for both MATH 120 & MS 250

Computer Information Systems

(Nine courses required)

2.5 GPA in all CMIS courses required. Students must be declared into this specialization to register for 300- and 400-level CMIS courses.

- CMIS 130*
- CMIS 234
- CMIS 270*, 310, 350, 470*
- Three CIS Electives taken from the following list:
  - CMIS 330, 352, 422, 424, 434, 451, 462, 468, 490, 491, 495, 496 and/or one internship 488 (must be CIS related)
- *Class must be passed with a grade of C or higher.

Cybersecurity

(Nine courses required)

2.5 GPA in all CMIS courses required. Students must be declared into this specialization to register for 300- and 400-level CMIS courses. Students will not be able to double-specialize. They will need to choose either the CIS specialization or the Cybersecurity specialization.

- CMIS 130, CMIS 270*, 310, 422, 468, 470
- Three electives taken from: CMIS 424, 426, 427, 488, 490, 492, 495, 497 or CJ 490

Data Analytics

(Six courses required)

2.5 GPA in all specialization courses required. Students must be declared into this specialization to register for 300- and 400-level courses.

- CMIS 130, 351, 451
- One elective taken from the following: ECON 315, MGMT 377, MKTG 377
- Two electives taken from the following: ACCT 441, CMIS 330, CMIS 352, CMIS 427, ECON 416, ECON 417, FIN 451, or one internship (CMIS 488, ECON 488, FIN 488, MGMT 488, MKTG 488, SCM 488 -- must be in Data Analytics field), CMIS 493, or CMIS 498

Economics

(Six courses required; 2.25 GPA in all economics courses required)

- ECON 301, 302, 315
- Three ECON Electives
- Students may choose from the following ECON electives: ECON 300, 321, 327, 341, 343, 345, 346, 411, 415, 416, 417, 428, 429, 431, 439, 461.

Entrepreneurship

(Four courses required)

- MGMT 430
- MGMT 475
- MGMT 476

Plus one of the following:

- MGMT 431, 432, 433, 451, 461, 485

Finance

(Nine courses required; C or higher required in FIN 320)

- FIN 344, 420, 430, 431, 440, 451
- Three 300-400 level FIN Electives

General Business Administration, No Specialization

(Four courses required)
Four approved 300- and/or 400-level business or non-business courses. Students are required to propose courses and rationale for request. Students should create their plan in consultation with their academic advisor.

Human Resource Management

(Five courses required)

- MGMT 430
- MGMT 431
- MGMT 432
- MGMT 433

Plus one of the following:

- MGMT 451, 485, ECON 331, PSYC 320, 473, SOC 304, 338, 431, 444, ACS 300, 403

Management

(Six courses required)

- MGMT 377
- MGMT 425
- MGMT 430

Plus any three of the following courses:

Supply Chain Management Focused Courses: SCM 435, SCM 440

Organizational Behavior Focused Courses: MGMT 445, MGMT 451, MGMT 470

Additional Management Courses: MGMT 461, MGMT 475, MGMT 488

Marketing

(Five courses required)

- MKTG 377 *
- MKTG 480

Plus three of the following:

- MKTG 465, 466, 467, 468, 470, 471, 472, 474, 475, 476, 479, 488

Supply Chain Management

(Six courses required)

- SCM 435
- SCM 440
- MGMT 377

- SCM 436

One of the following:

- MGMT 445
- MGMT 470

And one of the following:

- SCM 470
- SCM 488
- GBA 489 (with SCM focus)

Retention

Once declared into the business administration program, students must achieve and maintain at least a 2.25 cumulative GPA. Students who fail to maintain at least a 2.25 cumulative GPA at SIUE will be placed on program probation. Students will be notified when they are not meeting the cumulative GPA retention standard and will be informed of the timeframe allowed to improve their GPA. Students who do not meet retention requirements for two consecutive terms will be separated from the business administration major and will be removed from the School of Business.

Re-entry to School of Business Programs

Former students who have not attended SIUE for three or more terms must meet program requirements in effect at the time of re-entry, including any retention or program-specific course or grade point average requirements.

Repeat Policy

Students may repeat undergraduate business courses (ACCT, CMIS, ECON, FIN, GBA, MS, MGMT, MKTG, PROD and SCM) at SIUE under the following conditions and restrictions: When a course is repeated, only the grade earned in the final attempt will be used in computing the grade point average. All grades will appear on the transcript.

Credits earned for any course will be applied only once toward degree requirements, no matter how often the course is repeated.

- 100-level courses may not be repeated more than three times.
- 200-level courses may not be repeated more than two times.
- 300- and 400-level courses may not be repeated more than one time.

The School of Business is not obligated to offer a course to provide students an opportunity to repeat a previously attempted course. If a student does not pass a 300- or 400-level course after the second graded attempt, one of the following options must be chosen:

1. Appeal to take the course a third time. If the student does not pass the course on the third attempt, the student must choose a major outside the School of Business. OR
2. Take the required course at another AACSB accredited institution. (A 300- or 400-level course may only be taken at an approved four-year college or university.) St. Louis University, Washington University and University of Missouri St. Louis are the only AACSB accredited institutions in the St. Louis metropolitan area. Other institutions outside the metropolitan area may be approved if they are AACSB accredited and an equivalent or appropriate substitute course is offered at that institution.

Attendance

Because there is high demand for business courses, failure to attend the first class session may result in the student being dropped from the course.

Degrees Available at SIUE

- Bachelor of Science, Business Administration (specializations available in the following)
  - Computer Information Systems
  - Cybersecurity
  - Data Analytics
  - Economics
  - Entrepreneurship
  - Finance
  - Human Resource Management
  - Management
  - Marketing
  - Supply Chain Management

Graduation Requirements

- Cumulative SIUE GPA required: 2.25
- Business GPA required (in all required business courses taken at SIUE): 2.25
- C or higher in Management 441 (University Senior Assignment)
- C or higher in courses marked with * in Degree Requirements section
- Other specialization GPA requirements apply as listed in the Degree Requirements section.
- Students must complete all 300- and 400-level business course requirements at SIUE or another AACSB-accredited business school. Once admitted to the School of Business, students seeking a major or minor in the School of Business must obtain prior approval from the School of Business before taking upper-level (300- or 400-level) business course work at another institution that is intended to satisfy a major or minor requirement.

Business Administration Minor for Non-Business Majors

Students who have declared their major in a non-business field may earn a minor in business administration. Students majoring in accountancy or business administration are not allowed to minor in business administration. To declare a minor in business administration, students must have a cumulative GPA of 2.25 or above. To earn a minor in business administration, students must complete a minimum of 21 credit hours (maximum of 30 credit hours) in approved coursework as specified below:

Required Courses

- ECON 111
- ECON 112
- ACCT 200

Business Elective Courses

- Minimum required: 12 hours
- Maximum allowed: 21 hours

To fulfill their business electives requirements, students may choose from any course offered through the academic departments and disciplines in the School of Business (accounting, CMIS, economics and finance, and management and marketing). However, CMIS 108 and MS 250 cannot be used for electives in the business administration minor. College of Arts and Sciences economics majors may not count ECON 111, ECON 112, or any economics major course in the 21 hours required for the business administration minor. Students must meet all stated course prerequisites to enroll in any business course. Students should consult with a business advisor and choose business electives that are related to the their educational and career objectives.

Graduation Requirements

To earn a minor in business administration, students must complete a minimum of 12 hours in business courses at SIUE and maintain a cumulative GPA of at least 2.25 in all coursework used for the minor.

Sample Curriculum for the Bachelor of Science in Business Administration

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) QR 101 or MATH 150 (FQR)
(3) RA 101 or PHIL 212
(3) Elective

15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Breadth Fine & Performing Arts (BFPA)
(2) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
15 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) Approved 300/400-level Business course
(3) Elective or Approved 300/400-level Business course
12 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) Approved 300/400-level Business course
(3) Elective or Approved 300/400-level Business course
(3) Elective or Approved 300/400-level Business course
15 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) Approved 300/400-level Business course
(3) Approved 300/400-level Business course
(3) Elective or Approved 300/400-level Business course
(3) Elective or Approved 300/400-level Business course
(1) GBA 402 Business Transitions II
16 - Total Credits

Total Hours 120

Notes: Declared major in Business Administration is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Computer Information Systems

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)

(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) CMIS 130* Introduction to Programming Logic with Python
(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Fall Semester)

(3) CMIS 234 Java Programming
(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) RA 101 or PHIL 212
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
15 - Total Credits

Year 2 (Spring Semester)

(3) CMIS 270* Structured Systems Analysis
(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective - Business or CMIS Elective suggested
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) CMIS 350 Database Design
(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MGMT 331 Managing Group Projects
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 310 IT Hardware and Systems Software
(3) CMIS 342 Info Systems for Business
(3) CMIS Elective
(3) FIN 320 Financial Management
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 4 (Fall Semester)

(3) CMIS Elective
(2) Elective - Business or CMIS Elective suggested
(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) MKTG 300 Principles of Marketing
14 - Total Credits

Year 4 (Spring Semester)

(3) CMIS 470* Senior Systems Project
(3) CMIS Elective
(3) Elective - Business or CMIS Elective suggested
(3) MGMT 441 Strategic Management*
(1) GBA 402 Business Transitions II
13 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Cybersecurity

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) CMIS 130 Introduction to Programming Logic with Python*
(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Fall Semester)

(3) CMIS 270 Structured Systems Analysis*
(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) RA 101 or PHIL 212
15 - Total Credits

Year 2 (Spring Semester)

(3) Breadth Life Science (BLS)
(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective - Business or CMIS Elective suggested
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) CMIS 310 IT Hardware and Systems Software
(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MGMT 331 Managing Group Projects
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 422 Information Security
(3) CMIS 468 Business Telecommunications
(3) CMIS 342 Info Systems for Business
(3) CMIS Elective
(3) FIN 320 Financial Management
15 - Total Credits

Year 4 (Fall Semester)

(3) CMIS Elective
(2) Elective - Business or CMIS Elective suggested
(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) MKTG 300 Principles of Marketing
14 - Total Credits

Year 4 (Spring Semester)

(3) CMIS 470 Structured Systems Design*
(3) CMIS Elective
(3) Elective - Business or CMIS Elective suggested

(3) MGMT 441 Strategic Management*
(1) GBA 402 Business Transitions II
13 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Data Analytics

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) CMIS 130 Introduction to Programming Logic with Python
(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) RA 101 or PHIL 212
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) Breadth Life Science (BLS)
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) CMIS 351 SQL for Data Analytics
(3) MGMT 330 Understanding the Business Environment
(3) MGMT 331 Managing Group Projects
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) CMIS 451 Data Visualization
(3) FIN 320 Financial Management
(3) Elective

(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) MKTG 300 Principles of Marketing
(3) SCM 315 Operations Management
(3) Data Analytics Elective
(2) Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) ECON 315 Empirical Growth and Stability, MGMT 377 Data Analysis for Managers, or MKTG 377 Marketing Research
(3) Data Analytics Elective
(3) Elective
(1) GBA 402 Business Transitions II
13 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Also Available
Accelerated Online B.S.B.A. with a Data Analytics Specialization

Sample Curriculum for the Bachelor of Science in Business Administration, Economics

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) RA 101 or PHIL 212
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) Breadth Humanities (BHUM) (Suggest ECON 321)
(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+ (Suggest ECON 327)
16 - Total Credits

Year 2 (Spring Semester)

(3) ECON 301 Consumer and Firm Decision-making (SS)
(3) Elective
(3) Elective
(3) Breadth Fine & Performing Arts (BFPA)

(3) Health Experience (EH) (Suggest ECON 411)
15 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) ECON 302 Economic Growth and Stability
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) ECON 315 Empirical Business Applications (EL)
(3) ECON Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) ECON Elective
(3) Elective
(2) Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) ECON Elective
(3) Elective
(3) Elective
(1) GBA 402 Business Transitions II
13 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Also Available
Accelerated Online B.S.B.A. with an Economics Specialization

Sample Curriculum for the Bachelor of Science in Business Administration, Entrepreneurship

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial

Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) Elective
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) Breadth Fine & Performing Arts (BFPA)
(3) RA 101 or PHIL 212
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MGMT 331 Managing Group Projects
(3) MKTG 300 Principles of Marketing
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) MGMT 430 Human Resource Management
(3) Elective
12 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) MGMT 475 Entrepreneurship and Small Business Management
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) MGMT 476 Entrepreneurship Practicum
(3) MGMT Elective
(3) Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Finance

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*

(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
16 - Total Credits

Year 2 (Spring Semester)

(3) **ACCT 210** Managerial Accounting*
(3) RA 101 or PHIL 212
(3) Breadth Fine & Performing Arts (BFPA)
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
15 - Total Credits

Year 3 (Fall Semester)

(3) FIN 320 Financial Management
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(3) Life (LS), Physical (PS) or Social Science (SS) (Suggest ECON 315)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 420 Problems in Corporate Finance
(3) FIN 344 Financial Markets
(3) FIN Elective
(3) FIN Elective
12 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) FIN 451 Advanced Financial Analysis in Excel
(3) FIN 430 Portfolio Analysis (EL)*
(3) FIN Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) FIN 440 Financial Institutions
(3) FIN 431 Derivative Securities
(3) FIN Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Human Resource Management

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) Elective
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) Breadth Fine & Performing Arts (BFPA)
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
(3) RA 101 or PHIL 212
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) MGMT 430 Human Resource Management
(3) Elective
12 - Total Credits

Year 4 (Fall Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) SCM 315 Operations Management
(3) MGMT 431 Recruiting, Selective and Hiring Employees
(3) HR MGMT Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) MGMT 441 Strategic Management*
(3) MGMT 432 Training and Developing Employees
(3) MGMT 433 Performance Management and

Compensation
(3) Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Business Administration, Management

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) Elective
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) RA 101 or PHIL 212
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) MGMT 430 Human Resource Management

(3) MGMT 377 Data Analysis for Managers
12 - Total Credits

Year 4 (Fall Semester)

(3) SCM 315 Operations Management
(3) MGMT 425 Managing Workplace Information
(3) MGMT Elective
(3) MGMT Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) MGMT 441 Strategic Management*
(3) MGMT Elective
(3) Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Also Available

Accelerated Online B.S.B.A. with a Management Specialization

Sample Curriculum for the Bachelor of Science in Business Administration, Marketing

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Elective
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) Elective
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) RA 101 or PHIL 212
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)

16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) MGMT 330 Understanding the Business Environment
(3) MKTG 300 Principles of Marketing
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) MKTG Elective
(3) Elective
12 - Total Credits

Year 4 (Fall Semester)

(3) MKTG 377 Marketing Research
(3) SCM 315 Operations Management
(3) MKTG Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) MGMT 441 Strategic Management*
(3) MKTG 480 Advanced Marketing Management
(3) MKTG Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration into Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Also Available
Accelerated Online B.S.B.A. with a Marketing Specialization

Sample Curriculum for the Bachelor of Science in Business Administration, Supply Chain Management

Year 1 (Fall Semester)

(3) **CMIS 108** Computer Concepts (BICS)*
(3) **ECON 112** Microeconomics*
(3) **ENG 101** English Composition I*
(3) **MATH 120** College Algebra*^ (BPS)
(3) **ACS 101** Public Speaking*
(1) FST 101 Succeeding & Engaging at SIUE*
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics* (BSS)
(3) **ENG 102** English Composition II*
(3) **MS 250** Mathematical Methods*^
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Fall Semester)

(3) **ACCT 200** Fundamentals of Financial Accounting*
(3) ECON 321 Economic History of the US or Breadth Humanities (BHUM)
(3) Elective
(3) QR 101 Quantitative Reasoning, MATH 150 or Higher
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(4) **MS 251** Statistical Analysis for Business Decisions* (EL)
(3) ECON 327 Social Economics or U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(3) RA 101 or PHIL 212
(3) Elective
(3) ECON 411 The Business of Healthcare or Health Experience (EH)
16 - Total Credits

Year 3 (Fall Semester)

(3) **ACCT 210** Managerial Accounting*
(3) SCM 315 Operations Management
(3) MGMT 330 Understanding the Business Environment
(3) ECON 315 Empirical Business Applications or Life (LS), Physical (PS) or Social Science (SS) with Lab (EL)
(1) GBA 301 Business Transitions I
(3) MGMT 331 Managing Group Projects
16 - Total Credits

Year 3 (Spring Semester)

(3) CMIS 342 Info Systems for Business
(3) FIN 320 Financial Management
(3) MGMT 377 Data Analysis for Managers
(3) SCM 435 Managing and Improving Business Processes
12 - Total Credits

Year 4 (Fall Semester)

(3) MKTG 300 Principles of Marketing
(3) SCM 440 Advanced Supply Chain Management
(3) MGMT Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) GBA 383 Business & Society (IS, BSS, ERGU or EREG)+
(3) MGMT 441 Strategic Management*
(3) SCM 436 Logistics and Transportation Management
(3) SCM Elective
(2) Elective
(1) GBA 402 Business Transitions II
15 - Total Credits

Total Hours 120

Notes: Declaration in Business Administration major is required to enroll in 300- or 400-level business courses.

*C or higher required
^Students may substitute MATH 150 (with a grade of C or better) for MATH 120 and MS 250
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: Transfer students may contact the School of Business Student Services Office with questions regarding transferability and equivalency of business coursework completed at other institutions. The School of Business accepts lower-division courses taken at other institutions only as lower-division (100- and 200-level) courses. Visit the transfer credit website to find course equivalency guides.

Also Available
Accelerated Online B.S.B.A. with a Supply Chain Management Specialization

Chemistry

Admission Requirements

High school students who plan to major in one of the degree programs in chemistry should complete at least three years of college preparatory mathematics (two years of algebra and one of geometry) before entering the University. A fourth year of college preparatory mathematics (to include trigonometry) and one year each of biology, chemistry, and physics are strongly recommended.

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Chemistry major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Chemistry major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Chemistry major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for additional information.

Degree Requirements

General Education Requirements

General education requires a minimum of 36 hours of credit and includes completion of five experience requirements. Experience requirements may be satisfied through approved coursework or experiences outside of the classroom. General education courses in the area of physical science are satisfied by required courses in the curriculum. University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline.

Major Requirements in all Degrees

Chemistry Requirements

- CHEM 121A, 121B
- CHEM 125A, 125B
- CHEM 241A, 241B
- CHEM 245
- CHEM 300
- CHEM 331, 335

Mathematics Requirements

- MATH 150*

*Either MATH 145 or MATH 150 is required for the biochemistry, bioprocess, and pharmaceutical chemistry specializations.

Computer Science or Statistics Requirements

Choose one of the following:

- CS 140
- STAT 107
- STAT 244*
- STAT 380*
- STAT 480A, 480B

*Either STAT 244 or 380 is required for biochemistry, forensics chemistry, and bioprocess chemistry specializations.

Complete all requirements noted within a specialization. Students not planning to complete a specialization should complete requirements noted within the general chemistry requirements section.

General Chemistry Requirements

Bachelor of Science

Chemistry Requirements

- CHEM 361A, 361B
- CHEM 365A, 365B
- CHEM 411
- CHEM 499

An additional six semester hours from the following:

- CHEM 410, 419, 431, 432, 439, 444, 445, 446, 449
- CHEM 451A, 451B, 451C
- CHEM 459
- CHEM 461A, 461B
- CHEM 469, 471, 479

An additional three semester hours from the following:

- CHEM 345, 396, 415, 435, 455, 465, 496

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L

Bachelor of Arts

Chemistry Requirements

- CHEM 361A, 365A
- CHEM 499

An additional nine semester hours from the following:

- CHEM 361B
- CHEM 410, 411, 419, 431, 432, 439, 444, 445, 446, 449
- CHEM 451A, 451B, 451C
- CHEM 461A, 461B
- CHEM 469, 471, 479

An additional three semester hours from the following:

- CHEM 345, 365B, 396, 415, 435, 455, 465, 496

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L or PHYS 131, 131L, 132, 132L

Approved Supporting Courses or Minor* (12-21 hours)

One year of the same foreign language

* Students may take a minor or a group of courses from one or more departments that will support their major educational and career objectives. If they choose the second alternative, the curriculum must include at least four supporting courses that total at least 12 hours of credit; the physics and mathematics courses required for the Bachelor of Arts do not count as supporting courses.

American Chemical Society (ACS) Certified Biochemistry Specialization (BS)

Chemistry Requirements

- CHEM 361A, 361B
- CHEM 365A, 365B
- CHEM 396, 411, 415, 431, 435
- CHEM 451A, 451B, 451C
- CHEM 455, 496, 499

Biology Requirements

- BIOL 150, 151, 220, 319

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L

American Chemical Society (ACS) Certified Chemistry Specialization (BS)

Chemistry Requirements

- CHEM 361A, 361B
- CHEM 365A, 365B
- CHEM 411, 415, 431, 435
- CHEM 451A
- CHEM 499

An additional three semester hours from the following:

- CHEM 410, 419, 431, 432, 439, 444, 445, 446, 449, 451A, 451B, 451C, 459, 461A, 461B, 469, 471, 479

An additional two semester hours from the following:

- CHEM 345, 396, 455, 465, 496

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L

Biochemistry Specialization (BS)

Chemistry Requirements

- CHEM 410, 431, 435
- CHEM 451A, 451B, 451C
- CHEM 455
- CHEM 461A, 461B
- CHEM 465
- CHEM 499

An additional four semester hours from the following

- CHEM 396, 432, 446, 449, 459, 471, 479, 496
- BIOL 456

Biology Requirements

- BIOL 150, 151, 220, 319

Physics Requirements

- PHYS 151, 151L, 152, 152L or PHYS 131, 131L, 132, 132L

Bioprocess Chemistry Specialization (BS)

Chemistry Requirements

- CHEM 431, 435
- CHEM 451A, 451B
- CHEM 461A, 461B
- CHEM 465
- CHEM 480, 481, 482, 483, 484, 485
- CHEM 499

Biology Requirements

- BIOL 150, 151, 220, 350

Physics Requirements

- PHYS 151, 151L, 152, 152L or PHYS 131, 131L, 132, 132L

Forensics Specialization (BS)

Chemistry Requirements

- CHEM 361A, 361B
- CHEM 365A, 365B
- CHEM 451A
- CHEM 431, 432, 435, 446, 471, 499

Biology Requirements

- BIOL 150, 151, 220, 319, 423

An additional three semester hours from the following:

- CHEM 410, 411, 439, 451B

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L

Pharmaceutical Chemistry (BS)

Chemistry Requirements

- CHEM 499 or PHEP 795

School of Pharmacy Requirements*

- PHEP 719A
- PHEP 719B
- PHPS 700

- PHPS 701
- PHPS 702
- PHPS 703
- PHPS 704
- PHPS 705N
- PHPS 707N
- PHPS 712
- PHPS 720N
- PHPT 730A
- PHPT 730B
- PHPT 730C
- PHPT 730D
- PHAS 716

* Admission to the School of Pharmacy required for these courses. See Additional Bachelor in Chemistry, Pharmaceutical Science Specialization Requirements listed below.

Medical Science Specialization (BA)

Chemistry Requirements

- CHEM 361A, 365A
- CHEM 451A, 451B
- CHEM 499

An additional three semester hours from the following:

- CHEM 361B, 410, 411, 419, 431, 432, 439, 444, 445, 446, 449, 451A, 451B, 451C, 459, 461A, 461B, 469, 471, 479

An additional three semester hours from the following:

- CHEM 345, 365B, 396, 415, 435, 455, 496

Biology Requirements

- BIOL 150

Additional six semester hours from the following:

- BIOL 151, 220, 319, 335, 340

Mathematics Requirements

- MATH 152

Physics Requirements

- PHYS 151, 151L, 152, 152L or PHYS 131, 131L, 132, 132L

Additional chemistry and biology recommended

Bachelor of Science/Master of Science Curriculum

Undergraduates with exceptional academic credentials may be able to earn both the bachelor's degree and the master's degree in chemistry in five years (3 + 2) of study. Admission to this program is based on departmental recommendation to and approval by the Graduate School. Students who are interested in this program option should seek advice from their chemistry faculty mentor early in their junior year.

Additional Bachelor in Chemistry, Pharmaceutical Science Specialization Requirements

Admission to the Bachelor of Science in chemistry, pharmaceutical chemistry specialization requires separate admission to the SIUE School of Pharmacy PharmD program. Students who do not gain admission at the start of their third year are encouraged to continue in the Bachelor of Science in chemistry, biochemistry specialization while they continue to seek admission. Students who are currently in the School of Pharmacy and who have a strong background in chemistry are encouraged to discuss the BS in chemistry, pharmaceutical chemistry specialization option with their advisor. Students can receive the Bachelor of Science once the course requirements outlined above have been met, prior to their completion of the PharmD program.

Academic Standards/Retention

Students should show satisfactory academic progress to be retained in a degree program.

Students may be dropped from the program for any of the following circumstances:

- GPA of 1.0 or below in any term
- Cumulative GPA of less than 2.0 in the major at any time
- Withdrawal, incomplete, and a combination of

failing grades in 50% or more of the courses for which the student is registered during two successive terms
- Any combination of three withdrawal, incomplete, or failing grades in any single required course in the major discipline

For readmission, students must meet the same admission requirements as students entering the program for the first time.

Grades of C or above in CHEM 121A and CHEM 121B are required of all students before proceeding into any chemistry courses numbered above 199.

Transfer students, upper-division students and others who have not earned a grade of C or above in CHEM 121 will be required to do so as a condition of acceptance as a major in chemistry.

Degrees Available at SIUE

- Bachelor of Science, Chemistry (specializations available in the following)
  - ACS Certified Biochemistry
  - ACS Certified Chemistry
  - Biochemistry
  - Bioprocess Chemistry
  - Forensics Chemistry
  - Pharmaceutical Chemistry
- Professional Educator Licensure (9-12) program
- Bachelor of Arts, Chemistry (specialization available in the following)
  - Medical Science

Graduation Requirements

The following requirements must be met in order to obtain a degree in chemistry:

- Earn a minimum of 120 hours (teacher licensure and some specializations are more than 120 hours) of acceptable credit with a cumulative GPA of 2.0 or higher
- Complete at least 12 hours of SIUE credit in major courses numbered above 299 with a cumulative GPA of 2.0 or above
- Earn a GPA of 2.0 or above in all major courses numbered above 299
- Complete at least six hours of SIUE credit in major courses numbered above 299 within two years preceding graduation

No more than eight semester hours of D grades in any combination of science or mathematics courses may be counted toward a major in chemistry.

Credit hours earned through proficiency, transfer, CLEP or from a course, after credit has been received for similar or more advanced coursework in the same subject at SIUE or elsewhere, may not be applied toward graduation requirements.

Students admitted to a health professions school at the end of their junior year may transfer appropriate health professions school credits to complete the requirements for a degree in chemistry from SIUE.

Minors in Chemistry

The department offers a minor in chemistry and a minor in bioprocess chemistry. Students must complete a minimum of six credit hours of minor courses at SIUE.

Minor in Chemistry

A minor in chemistry requires a minimum of 24 credit hours with a GPA of 2.0 or higher. Students are required to have received credit for or have transferred in the following courses:

- CHEM 121A, 121B, 125A, 125B
- CHEM 241A, 241B, 245
- At least six credit hours in chemistry courses numbered 300 or above.

If the requirements above do not satisfy the 24 credit hour minimum, students may complete the minor with any chemistry credit.

Minor in Bioprocess Chemistry

A minor in bioprocess chemistry requires a minimum of 37 hours with a GPA of 2.0 or higher. The minor must contain freshman level chemistry, organic chemistry, a biochemistry class, and one of the biology classes listed below in addition to the bioprocess chemistry sequence. Students are required to have received credit for or have transferred in the following courses:

Introductory Chemistry Requirements:

- CHEM 121A, 125A, 121B, 125B; or CHEM 120A, 124A, 120B, 124B; or CHEM 131, 135, 120B, 124B
- CHEM 241A, 241B, 245
- CHEM 351 or CHEM 451A

Bioprocess Chemistry Requirements:

- CHEM 480, 481, 482, 483, 484, 485

Biology Requirements:

- BIOL 250 or BIOL 350

If the requirements above do not satisfy the 37 credit hour minimum, students may complete the minor with any chemistry credit.

Sample Curriculum for the Bachelor of Science in Chemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
16 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry
(3) CHEM 331 Quant. Analytical Chemistry
(1) CHEM 335 Quant. Analytical Chem Lab
(4) **PHYS 151** University Physics (BPS)
(1) **PHYS 151L** University Physics Lab (EL)
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab (EL)
(3-4) **STAT 107, STAT 244,** or STAT 380 (recommended to meet BICS)
(4) **PHYS 152** University Physics (BPS)
(1) **PHYS 152L** University Physics Lab (EL)
(3) Breadth Life Science (BLS)
16-17 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(3) Breadth Humanities (BHUM)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) CHEM 361B Physical Chemistry
(1) CHEM 365B Physical Chemistry Lab
(3) CHEM Elective
(3) Breadth Social Science (BSS)
(2) Health Experience (EH)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 411 Inorganic Chemistry
(3) CHEM Elective
(3) Interdisciplinary Studies (IS)
(3) Elective
(1-2) Elective
13-14 - Total Credits

Year 4 (Spring Semester)

(0) CHEM 499 Senior Assignment
(3) CHEM Elective
(3) Elective
(3) Elective

(3) Elective
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the bolded courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Chemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
16 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry I (BPS)
(3-4) **CS 140 or STAT 107, STAT 244, STAT 380, STAT 480A, or STAT 480B**
(5) **PHYS 151/PHYS 151L** University Physics I or **PHYS 131/PHYS 131L** College Physics I (BPS)
(3) Breadth Fine & Performing Arts (BFPA)
14-15 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(5) **PHYS 152/PHYS 152L** University Physics II or **PHYS 132/PHYS 132L** College Physics II (BPS)
(2) Health Experience (EH)
(2-3) Minor/Elective
14-15 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 331 Quant. Analytical Chemistry
(1) CHEM 335 Quant. Analytical Chem Lab
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(4) Foreign Language 101 (BICS, EREG)
14 - Total Credits

Year 3 (Spring Semester)

(3) CHEM Elective
(4) Foreign Language 102
(3) Interdisciplinary Studies (IS)
(3) Fine & Performing Arts or Humanities
(3) Fine & Performing Arts or Humanities
16 - Total Credits

Year 4 (Fall Semester)

(0) CHEM 499 Senior Assignment
(3) CHEM Elective
(3) Breadth Life Science (BLS)
(3) Fine & Performing Arts or Humanities
(3) Breadth Humanities (BHUM)
(2) Minor/Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) CHEM Elective
(2) CHEM Elective
(3) Breadth Social Science (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)

(3) Fine & Performing Arts or Humanities
(3) Minor/Elective
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, ACS Certified Biochemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills (ERGU or EREG; recom)* or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
16 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) CHEM 331 Quant Analytical Chemistry
(1) CHEM 335 Quant Analytical Chemistry Lab
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics Lab I
(4) **BIOL 150** Intro to Biological Sciences I (BLS)
16 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry II
(2) **CHEM 245** Organic Chemistry Lab
(4) **PHYS 152** University Physics II
(1) **PHYS 152L** University Physics Lab II
(4) **BIOL 151** Intro to Biological Sciences II
14 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(3) CHEM 451A Biochemistry
(4) BIOL 220 Genetics
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Spring Semester)

(3) CHEM 361B Physical Chemistry
(1) CHEM 365B Physical Chemistry Lab
(2) CHEM 396 Introduction to Research
(3) CHEM 451B Biochemistry
(2) CHEM 455 Experimental Methods in Biochemistry
(4) BIOL 319 Cell & Molecular Biology
(3) Breadth Humanities (BHUM)
18 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 411 Inorganic Chemistry
(2) CHEM 415 Inorganic Chemistry Lab
(3) CHEM 451C Biochemistry
(2) CHEM 496 Chemical Problems
(3-4) CS 140, STAT 107, **STAT 244,** STAT 380, or STAT 480A/STAT 480B (BICS)
13-14 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 431 Instrumental Analysis
(1) CHEM 435 Instrumental Analysis Lab
(0) CHEM 499 Senior Assignment
(2) Health Experience (EH)
(3) Interdisciplinary Studies (IS)
(3) Breadth Social Science (BSS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
12 - Total Credits

Total Hours 122-123

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, ACS Certified Chemistry

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Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry (BPS)
(1) **CHEM 125A** General Chemistry Lab (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry (BPS)
(1) **CHEM 125B** General Chemistry Lab (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) RA 101 Reasoning & Argumentation or PHIL 212
16 - Total Credits

Year 2 (Fall Semester)

(3) CHEM 331 Quantitative Analytical Chemistry
(1) CHEM 335 Quantitative Analytical Chem Lab
(3) **CHEM 241A** Organic Chemistry
(4) **PHYS 151** University Physics
(1) **PHYS 151L** University Physics Lab
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry
(2) **CHEM 245** Organic Chemistry Lab
(3-4) **STAT 107, STAT 244,** or STAT 380 (recommended to meet BICS)
(4) **PHYS 152** University Physics
(1) **PHYS 152L** University Physics Lab
(3) Breadth Life Science (BLS)
16-17 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(3) CHEM 451A Biochemistry
(3) Breadth Humanities (BHUM)
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 3 (Spring Semester)

(3) CHEM 361B Physical Chemistry
(1) CHEM 365B Physical Chemistry Lab
(3) CHEM Elective
(3) Breadth Social Science (BSS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
13 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 411 Inorganic Chemistry
(2) CHEM 415 Inorganic Chemistry Lab
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
(3) Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 431 Instrumental Analysis
(1) CHEM 435 Instrumental Analysis Lab
(0) CHEM 499 Senior Assignment
(2) CHEM Elective
(2) Health Experience (EH)
(3) Elective
(2-3) Elective
13-14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, Biochemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry (BPS)
(1) **CHEM 125A** General Chemistry Lab (EL)
(3) ENG 101 English Composition I
(3) RA 101 Reasoning and Argumentation
(3) ACS 103 Interpersonal Communication Skills (EREG or ERGU; recom)* or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(4) **BIOL 150** Intro to Biological Sciences I (BLS)
(4) **CHEM 121B** General Chemistry (BPS)
(1) **CHEM 125B** General Chemistry Lab (EL)
(3) ENG 102 English Composition II
(5) **MATH 145 or MATH 150** Calculus (FQR)
17 - Total Credits

Year 2 (Fall Semester)

(4) **BIOL 151** Intro to Biological Sciences II (BLS)
(3) **CHEM 241A** Organic Chemistry
(4) **PHYS 131** College Physics I: Mechanics & Heat
(1) **PHYS 131L** College Physics I Lab
(3) Breadth Social Sciences (BSS)
15 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(2) Health Experience (EH)
(4) **PHYS 132** College Phys II: Electricity, Magnetism & Optics
(1) **PHYS 132L** College Physics II Lab
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
15 - Total Credits

Year 3 (Fall Semester)

(4) **BIOL 220** Genetics (BLS)
(1) CHEM 300 Professionalism
(3) CHEM 331 Quant Analytical Chemistry
(1) CHEM 335 Quant Analytical Chemistry Lab
(3) CHEM 451A Biochemistry
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 3 (Spring Semester)

(4) BIOL 319 Cell & Molecular Biology
(3) CHEM 410 BioInorganic Chemistry
(3) CHEM 451B Biochemistry
(2) CHEM 455 Biochemistry Lab
(4) **STAT 244** Statistics (BICS)

16 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 451C Biochemistry
(3) CHEM 461A BioPhysical Chemistry
(2) CHEM 465 BioPhysical Chemistry Lab
(4) CHEM Elective
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 461B BioPhysical Chemistry II
(3) CHEM 431 Instrumental Analysis
(1) CHEM 435 Instrumental Analysis Lab
(0) CHEM 499 Senior Assignment
(2) CHEM Elective (recommended)
(3) Breadth Humanities (BHUM)
12 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, Bioprocess Chemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) ACS 103 Interpersonal Communication Skills (ERGU or EREG; recom)* or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(3) ENG 102 English Composition II
(5) **MATH 145** Calculus for the Life Science or **MATH 150** Calculus I (FQR)
(4) **BIOL 150** Intro to Biological Science I (BLS)
17 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry I (BPS)
(2) CHEM 480 Principles of Fermentation
(2) CHEM 481 Principles of Fermentation Lab
(5) **PHYS 131/131L** College Physics I (BPS)
(4) **BIOL 151** Intro to Biological Science II
16 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry II
(2) **CHEM 245** Organic Chemistry Lab
(5) **PHYS 132/132L** College Physics II
(3) Breadth Fine & Performing Arts (BFPA)
(3) **ECON 111** Macroeconomics (recommended BSS)
16 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 331 Quantitative Analytical Chemistry
(1) CHEM 335 Quantitative Analytical Chemistry Lab
(3) CHEM 451A Biochemistry
(4) BIOL 220 Genetics
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 3 (Spring Semester)

(3) CHEM 451B Biochemistry
(2) CHEM 482 BioProcessing Chemistry and Biochemistry
(2) CHEM 483 BioProcessing Chemistry and Biochemistry Laboratory
(4) BIOL 350 Microbiology
(4) STAT 244 Statistics (BICS)
15 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 461A Biophysical Chemistry I
(2) CHEM 465 Biophysical Chemistry Lab
(2) CHEM 484 Advanced BioProcessing Chemistry and Biochemistry
(2) CHEM 485 Advanced BioProcessing Chemistry and Biochemistry Laboratory
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
12 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 431 Instrumental Analysis
(1) CHEM 435 Instrumental Analysis Lab
(3) CHEM 461B Biophysical Chemistry II
(0) CHEM 499 Senior Assignment
(2) Chemistry Elective (recommended)
(3) Breadth Humanities (BHUM)
(2) Health Experience (EH)
14 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, Forensics Chemistry

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills (EREG or ERGU; recom)* or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II
(4) **BIOL 150** Intro to Biological Science I (BLS)
17 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) CHEM 331 Quant Analysis Chemistry
(1) CHEM 335 Quant Analysis Chem Lab
(4) **PHYS 151** University Physics I
(1) **PHYS 151L** University Physics Lab I
(4) **BIOL 151** Intro to Biological Science II
(3) RA 101 Reasoning & Argumentation
19 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry II
(2) **CHEM 245** Organic Chemistry Lab
(4) **PHYS 152** University Physics II
(1) **PHYS 152L** University Physics Lab II
(4) **BIOL 220** Genetics
14 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(3) CHEM 451A Biochemistry
(4) BIOL 319 Cell & Molecular Biology
13 - Total Credits

Year 3 (Spring Semester)

(3) CHEM 361B Physical Chemistry
(1) CHEM 365B Physical Chemistry Lab
(3) BIOL 423 Forensics Biology
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Social Science (BSS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
13 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 471 Principles of Toxicology
(1) CHEM 446 Organic Spectral Analysis
(3) CHEM 410, CHEM 411, CHEM 439, or CHEM 451B
(3-4) STAT 244 or STAT 380 (BICS)
(0-2) Health Experience (EH)
(3) Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 431 Instrumental Analysis
(1) CHEM 435 Instrumental Analysis Lab
(3) CHEM 432 Forensics Chemistry
(0) CHEM 499 Senior Assignment
(3) Breadth Humanities (BHUM)
(3) Interdisciplinary Studies (IS)
13 - Total Credits

Total Hours 120

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Chemistry, Medical Science

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry (BPS)
(1) **CHEM 125A** General Chemistry Laboratory (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry (BPS)
(1) **CHEM 125B** General Chemistry Laboratory (EL)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) RA 101 Reasoning and Argumentation
16 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry (BPS)
(5) **PHYS 151** University Physics and **PHYS 151L** University Physics Lab or **PHYS 131/PHYS 131L** (BPS)
(4) **BIOL 150** Intro to Biological Science I (BLS)
(3) Breadth Fine & Performing Arts (BFPA)
(3-4) **CS 140** or **STAT 107, STAT 244,** STAT 380, STAT 480A, or STAT 480B
18 - 19 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(5) **PHYS 152** University Physics and **PHYS 152L** University Physics Lab or **PHYS 132/PHYS 132L** (BPS)
(3) Breadth Social Science (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(3) Fine & Performing Arts or Humanities
16 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 331 Quantitative Analytical Chemistry
(1) CHEM 335 Analysis Chemistry Laboratory
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Laboratory
(4) Foreign Language 101 (BICS, EREG)
(0-2) Health Experience (EH)
14-16 - Total Credits

Year 3 (Spring Semester)

(3) CHEM Elective
(4) Foreign Language 102
(3) Fine & Performing Arts or Humanities
(4) **BIOL 151** (BLS, EL) or Approved BIOL Elective
14 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 451A Biochemistry
(3) Breadth Humanities (BHUM)
(4) **BIOL 220** Genetics or BIOL Elective
(3) Interdisciplinary Studies (IS)
13 - Total Credits

Year 4 (Spring Semester)

(3) CHEM 451B Biochemistry
(0) CHEM 499 Senior Assignment
(3) CHEM Elective
(3) Fine & Performing Arts or Humanities
(3) Fine & Performing Arts or Humanities
12 - Total Credits

Total Hours 120-123

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, As, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Chemistry, Pharmaceutical Chemistry*

Year 1 (Fall Semester)

(4) CHEM 121A General Chemistry I (BPS)
(1) CHEM 125A General Chemistry Lab I (EL)
(4) BIOL 150 Intro to Biological Sciences I (BLS)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills (EREG, recom)**
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total

Year 1 (Spring Semester)

(4) BIOL 151 Intro to Biological Sciences II (BLS)
(4) CHEM 121B General Chemistry II (BPS)
(1) CHEM 125B General Chemistry II Lab (EL)
(5) MATH 150 Calculus I or MATH 145 Calculus for the Life Sciences (FQR)
(3) ENG 102 English Composition II
17 - Total

Year 1 (Summer Semester)

(3) SOC 111 Introduction to Sociology (BSS, ERGU)** or PSYC 111 Foundations of Psychology (BSS)
(4) STAT 244 Statistics (BICS)
7 - Total

Year 2 (Fall Semester)

(4) BIOL 240A Human Anatomy & Physiology I (BLS)
(3) CHEM 241A Organic Chemistry I (BPS)
(5) PHYS 131/PHYS 131L College Physics I
(3) RA 101 Reasoning & Argumentation (FRA)
(3) Breadth Humanities (BHUM)
18 - Total

Year 2 (Spring Semester)

(4) BIOL 250 Bacteriology or BIOL 350 Microbiology+
(4) BIOL 240B Human Anatomy & Physiology II
(3) CHEM 241B Organic Chemistry II
(2) CHEM 245 Organic Chemistry Lab
(3) ECON 111 Principles of Macroeconomics
(3) Breadth Fine & Performing Arts (BFPA)
19 - Total

+Requires BIOL 220 Genetics as prerequisite

Year 2 (Summer Semester)

(3) Interdisciplinary Studies/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)**
(1) CHEM 300 Professionalism in Science
(3) CHEM 331 Quantitative Analytical Chemistry
(1) CHEM 335 Analysis Chemistry Laboratory
8 - Total

1st Professional Year (Fall Semester)

(4) PHPS 700 Principles of Drug Action I
(3) PHPS 702 Biochemical Principles for Pharmacy
(2) PHPS 704 Biopharmaceutics and Drug Delivery I
(2) PHPR 711 Drug Information
(2) PHEP 719A Personal and Professional Development I
(1) PHPR 718A Pharmacy Skills Lab I
(3) PHAS 708 Health Care Systems
(1) PHAS 716 Ethical Issues in Health Care
18 - Total

1st Professional Year (Spring Semester)

(2) PHPS 701 Principles of Drug Action II
(3) PHPS 705N Biopharmaceutics and Drug Delivery II
(3) PHPS 712 Immunology and Immunization Training
(1) PHEP 719B Personal and Professional Development II
(1) PHPR 718B Pharmacy Skills Lab II
(3) PHPR 710 Biomedical Literature Evaluation
(1) PHPS 707N Pharmacy Calculations
(3) PHPR 713N Self Care & Alternative Medicines
17 - Total

2nd Professional Year (Fall Semester)

(3) PHPS 720N Pharmacokinetics
(2) PHAS 728N Pharmacy Management I
(4) PHPT 730A Integrated Pharmacotherapeutics I
(4) PHPT 730B Integrated Pharmacotherapeutics II
(2) PHPR 735N Physical Assessment & Patient Care Skills
(1) PHPR 738A Pharmacy Skills Lab III
(3) PHEP 739A Personal and Professional Development III
19 - Total

2nd Professional Year (Spring Semester)

(2) PHPS 703 Principles of Pharmacogenomics
(2) PHAS 709 Health Care and Financial Management
(4) PHPT 730C Integrated Pharmacotherapeutics III
(4) PHPT 730D Integrated Pharmacotherapeutics IV
(1) PHPR 738B Pharmacy Skills Lab IV
(3) PHEP 739B Personal and Professional Development IV
(2) PHPR 744 Health Promotion & Literacy
(0) CHEM 499 Senior Assignment (or PHEP 795)
18 - Total

CPR Certification in PharmD program will fulfill Experiences-Health requirement

*See degree requirements page for extra requirements for this specialization.

Total Hours 157

** If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of

the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, As, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for Students Seeking Professional Educator Licensure

A teacher education program is a joint program by the academic discipline in the College of Arts and Sciences and the School of Education, Health and Human Behavior. Therefore, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about requirements of the teacher education program as soon as they know they would like to pursue this option. Scheduling required courses involves early and frequent coordination between the student, College of Arts and Sciences advisor, department faculty mentor, and School of Education, Health and Human Behavior advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. **All chemistry courses must be at a GPA of 2.5 or higher in order to student teach**. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog, and by making an appointment with an SEHHB advisor.

- BIOL 150, 151
- CHEM 121A, 121B
- CHEM 125A, 125B
- CHEM 241A, 241B
- CHEM 245, 300, 331, 335
- CHEM 361A, 365A, 451A, 494, 499
- MATH 150, 152
- PHYS 151, 151L*
- PHYS 152, 152L*
- STAT 107, 244, 380 or 480

Additional three semester hours from chemistry courses numbered 300 or above
*PHYS 131, 131L, 132, 132L may be substituted

Sample Curriculum for the Bachelor of Science in Chemistry
Professional Educator Licensure (9-12)

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry I (BPS)
(1) **CHEM 125A** General Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills (EREG)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **CHEM 121B** General Chemistry II (BPS)
(1) **CHEM 125B** General Chemistry Lab II (EL)
(4) **BIOL 150** Intro to Biological Science I (BLS)
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
17 - Total Credits

Year 2 (Fall Semester)

(3) **CHEM 241A** Organic Chemistry I (BPS)
(3) CHEM 331 Quantitative Analytical Chemistry
(1) CHEM 335 Analytical Chemistry Lab
(4) **BIOL 151** Intro to Biological Science II
(5) **PHYS 151/PHYS 151L** University Physics or **PHYS 131/PHYS 131L** College Physics
(3) RA 101 Reasoning and Argumentation or PHIL 212

19 - Total Credits

Year 2 (Spring Semester)

(3) **CHEM 241B** Organic Chemistry II
(2) **CHEM 245** Organic Chemistry Lab
(5) **PHYS 152/PHYS 152L** University Physics or **PHYS 132/PHYS 132L** College Physics
(3-4) **STAT 107, STAT 244,** STAT 380, STAT 480A, or STAT 480B
(3) Breadth Social Science (BSS)/Global Cultures, Race, and Equity Education (EREG)
16-17 - Total Credits

Year 3 (Fall Semester)

(1) CHEM 300 Professionalism in Science
(3) CHEM 361A Physical Chemistry
(2) CHEM 365A Physical Chemistry Lab
(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication (BICS)
(3) IT 300 Digital Learning and Communication
(3) Breadth Humanities (BHUM)
19 - Total Credits

Year 3 (Spring Semester)

(3) CHEM Elective
(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) SPE 400 The Exceptional Child
(3) Interdisciplinary Studies (IS)
(3) Breadth Fine & Performing Arts (BFPA)
(0) Health Experience (EH)
16 - Total Credits

Year 4 (Fall Semester)

(3) CHEM 451A Biochemistry
(3) CHEM 494 Methods of Teaching Science in Secondary Schools
(0) CHEM 499 Senior Assignment
(1) CIED 304 Field Experience IV
(3) CIED 311 Differentiated Instruction
(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
16 - Total Credits

Year 4 (Spring Semester)

(2) CIED 456 9-12 Senior Seminar
(10) CIED 455D 9-12 Student Teaching - Chemistry
12 - Total Credits

Total Hours 132-133

- First aid or other non-coursework option recommended to satisfy Health Experience (EH) requirement.
- GEOG 210-Physical Geography (3) and PHYS 118-Astronomy (3) are strongly recommended.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer **AND** satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Civil Engineering

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Civil Engineering, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Transfer

Transfer students should contact the Engineering Student Services office for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Credit will be reviewed using the following guidelines:

- A minimum grade of C is required in all chemistry, computer science, mathematics, physics, and engineering science courses applied to major or minor requirements.
- 300- or 400-level engineering course requirements will not be considered for transfer unless completed within 10 years within an ABET-accredited engineering program.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BS in Civil Engineering**
- **MS in Civil Engineering**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in civil engineering
- Maintain a minimum 3.0 cumulative undergraduate GPA
- Maintain a minimum 3.25 undergraduate GPA in all engineering, math and physical science courses
- Be within 32 hour credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply for the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Sample Curriculum

The accelerated master's in civil engineering requires that students complete six credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in civil engineering

and the MS in civil engineering.

Senior Year (Fall Semester)

(3) CE 416 Engineering Hydrology or CE 455 Foundation Design
(3) CE 460 Municipal Infrastructure Design
(3) CE 4xx Elective I - **shared credit**
(3) CE Selective
(3) PHIL 323 Engineering, Ethics & Professionalism (BHUM)
Preparation for Fundamental of Engineering Exam
15 Total Credits

Senior Year (Spring Semester)

(1) CE 415L Applied Fluid Mechanics Lab
(3) CE 493 Engineering Design
(3) CE 4xx Elective II - **shared credit**
(3) CE 4xx Elective III
(3) IE 345 Engineering Economic Analysis
(0-2) Health Experience (EH)
13-15 Total Credits

Graduate Year

Students selecting the thesis option must complete a minimum of 30 credit hours, including up to six hours for CE 599. Students selecting the non-thesis option must complete a minimum of 31 credit hours, including one hour of CE 593 Research Paper. At least 20 credit hours must be in courses taught in civil engineering, and at least 15 credit hours must be at the 500-level.

Students work closely with a faculty advisor to create a plan of study based on one of the following specializations:

Environmental/Water Resources Engineering Specialization

- CE 416 Engineering Hydrology (3)
- CE 460 Municipal Infrastructure Design (3)
- CE 486 Wastewater Treatment Design (3)
- CE 487 Water Treatment Design (3)
- CE 492 Application of GIS in Hydrologic Analysis (3)
- CE 492 Water Resources Engineering and Management (3)
- CE 581 Advanced Wastewater Treatment (3)
- CE 582 Water Quality and Treatment (3)
- CE 592 Water Resources Engineering Topics (3)
- CE 596 Sustainable Engineering (3)
- Up to three approved courses from outside of CE, including ENG 491. Approved courses : BIOL 470; CHEM 471; ENSC 412, 516, 520, 535, 540, 573, 575; GEOG 523; IE 463; PROD 529; PAPA 420.

Geotechnical Engineering Specialization

- CE 435 Pavement Design (3)
- CE 455 Foundation Engineering (3)
- CE 457 Soil Mechanics in Engineering (3)
- CE 458 Geological and Geotechnical Exploration (3)
- CE 492-11 Soil Improvement Methods (3)
- CE 492-12 Environmental Geotechnics (3)
- CE 548 Finite Elements (3)
- CE 550 Advanced Soil Mechanics (3)
- CE 551 Design of Levees and Floodwalls (3)
- CE 592-11 Geotechnical Earthquake Engineering (3)
- CE 592-12 Advanced Foundation Engineering (3)
- CE 592-13 Geotechnical Instrumentation (3)
- CE 596 Sustainable Engineering (3)
- Up to three courses, including ENG 491, from the following: CNST 461, 501, 535; ENSC 412; GEOG 412, 418, 422, 523; IE 463, 530, 531, 545; MATH 462; ME 544, 575; PAPA 420, 530; STAT 480, 484.

Structural Engineering Specialization

- CE 435 Pavement Design (3)
- CE 441 Design of Timber Structures (3)
- CE 443 Design of Masonry Structures (3)
- CE 445 Advanced Structural Analysis (3)
- CE 446 Advanced Concrete Design (3)
- CE 449 Advanced Steel Structures (3)
- CE 455 Foundation Engineering (3)
- CE 457 Soil Mechanics in Engineering (3)
- CE 492 Revit/Microstation/Databases (3)
- CE 541 Bridge Engineering (3)
- CE 545 Structural Dynamics (3)
- CE 548 Finite Elements (3)
- CE 549 Earthquake Engineering (3)
- CE 596 Sustainable Engineering (3)
- CE 592-02 Advanced Soil Mechanics (3)
- CE 592-10 Design of Levees and Floodwalls (3)
- CE 592-12 Advanced Foundation Engineering (3)
- ME 452 Vibrations (3)
- ME 470 Stress Analysis & Design (3)
- ME 544 Theory of Elasticity (3)
- Up to three courses, including ENG 491, from the

following: CE 457, 501; CNST 442; CS 402, 404; MATH 462, 501; ME 530; STAT 480, 484.

Transportation Engineering Specialization

- CE 435 Pavement Design (3)
- CE 460 Municipal Infrastructure Design (3)
- CE 474 Computer Simulation in Traffic Engineering (3)
- CE 475 Transportation Planning (3)
- CE 476 Traffic Studies (3)
- CE 492 05 GIS Applications in Transportation Engineering (3)
- CE 492 07 Evaluation of Transportation Alternatives (3)
- CE 574 Transportation Security (3)
- CE 575 Advanced Geometric Design of Highways (3)
- CE 578 Intelligent Transportation Systems (3)
- CE 579 Transportation Safety Systems (3)
- CE 592 05 Statistical Application in Transportation Engineering (3)
- CE 592 06 Traffic Signals (3)
- CE 596 Sustainable Engineering (3)
- Up to three courses, including ENG 491, from the following: ACS 413, 434; ECON 445; GEOG 418; MGMT 514; POLS 424; PAPA 420, 501, 506, 507, 530, 550; STAT 480.

See the graduate catalog for civil engineering (CE) course descriptions.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Enrollment in Upper-Division Civil Engineering Courses

The following requirements must be met to enroll in upper-division civil engineering courses:

- Satisfactory completion of all University and School of Engineering admission requirements
- An approved application for enrollment in upper-division engineering courses
- Satisfactory completion of the lower-division courses CHEM 131, 135; CE 204, 206 (or SURV 264), CE 240, 242; ENG 101, 102; IE 106; MATH 150, 152, 250, 305; ME 262; PHYS 141, 151L, 142, 152L; and ACS 101 or 103, with a GPA of at least 2.0 for the above courses required for non-transfer students, transfer students from articulated programs, and Illinois resident transfer students; a GPA of at least 2.25 for the above courses is required for other transfer students. A grade of C or better is required in all lower division math, science, and engineering courses.

General Education Requirements for the Major

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline.

Degree Requirements, Bachelor of Science, Civil Engineering

Breadth Physical Science Courses

- CHEM 131, 135
- MATH 150, 152, 250, 305
- PHYS 141, 151L, 142, 152L

Breadth Life Science Course*

Engineering Courses

- IE 106
- CE 204, 206**, 240, 242, 315, 330, 330L, 342, 343, 354, 354L, 376, 380, 415L, 460, 493
- CE 416, CE 455, or CE 459
- CS 140 or CS 145
- IE 345
- ME 262
- One Selective Course***
- Three CE Electives

Breadth Fine & Performing Arts Course

Breadth Humanities Course

- PHIL 323

Breadth Social Science Course

- ECON 111

Breadth Information and Communication in Society Course

- STAT 380

Foundations Courses

- ENG 101
- ENG 102
- ACS 103
- PHIL 323
- MATH 150

IS Course

* Students must select a life science course other than physics and chemistry. Department approved courses include: BIOL 111, BIOL 140, BIOL 150, BIOL 151, BIOL 205, BIOL 220, BIOL 240A, BIOL 240B, ENSC 340, GEOG 202.

** SURV 264 may be substituted for CE 206

***CE SELECTIVE: The CE selective course can include any of the following and should be chosen based on your interests within civil engineering. It is recommended to discuss this selection with a faculty mentor. Prerequisites may apply. (Any 400-level CE course; CNST 442 Building Information Modeling; IE 463 Reliability Engineering / STAT 484 Reliability Engineering; MATH 462 Applied Numerical Analysis; STAT 480A Mathematical Statistics)

Academic Status/Retention

Students must maintain the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of at least 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incomplete, and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be given the conditions required for removal from probation. If the conditions are not met, students are suspended from the major for one year. During CE suspension, students may not take new courses in the major, but may repeat courses to improve their GPA. Enrollment in other School of Engineering courses requires written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the departmental academic standards committee.

Degrees Available at SIUE

- Bachelor of Science, Civil Engineering

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

A cumulative GPA of 2.0 or higher is required for courses taught in the School of Engineering; a cumulative GPA of 2.0 or higher is required for civil engineering courses numbered above 299; and students must complete a senior assignment included as part of CE 493 Engineering Design. In addition to fulfilling department requirements, students must complete all University requirements for graduation.

Sample Curriculum for the Bachelor of Science in Civil Engineering

Year 1 (Fall Semester)

(3) IE 106 Engineering Problem Solving
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(3) **ENG 101** English Composition I
(5) **MATH 150** Calculus I (FQR)
(1) FST 101 Succeeding & Engaging at SIUE
17 – Total Credits

Year 1 (Spring Semester)

(3) **ENG 102** English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) **PHYS 141** Physics I for Engineering (BPS)
(1) **PHYS 151L** University Physics Lab I (EL)
(3) **ACS 103** Interpersonal Communication (ERGU

or EREG)*
15 – Total Credits

Year 2 (Fall Semester)

(3) **CE 204** Engineering Graphics & CAD
(3) **CE 240** Statics
(4) **MATH 250** Calculus III (BPS)
(3) **PHYS 142** Physics II for Engineering (BPS)
(1) **PHYS 152L** University Physics Lab II (EL)
14 – Total Credits

Year 2 (Spring Semester)

(2) **CE 206** Civil Engineering Surveying
(3) **CE 242** Mechanics of Solids
(3) **MATH 305** Differential Equations I
(3) **ME 262** Dynamics
(3) Breadth Life Science (BLS)
(3) **ECON 111** Macroeconomics (BSS)
17 – Total Credits

Year 3 (Fall Semester)

(3) CS 140 Introduction to Computing or CS 145 Introduction to Computing for Engineers
(3) CE 315 Fluid Mechanics
(3) CE 342 Structural Engineering I
(2) CE 330 Engineering Materials
(1) CE 330L Engineering Materials Lab
(3) CE 354 Geotechnical Engineering
(1) CE 354L Geotechnical Engineering Lab
16 – Total Credits

Year 3 (Spring Semester)

(3) CE 343 Structural Engineering II
(3) CE 376 Transportation Engineering
(3) CE 380 Environmental Engineering
(3) STAT 380 Statistics for Applications (BICS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Interdisciplinary Studies (IS)/(ERGU or EREG)*
18 – Total Credits

Year 4 (Fall Semester)

(3) CE 416 Engineering Hydrology, CE 455 Foundation Design, or CE 459 Soil Improvement Methods
(3) CE 460 Municipal Infrastructure Design
(3) CE Elective I
(3) CE Selective
(3) PHIL 323 Engineering, Ethics, & Professionalism (FRA, BHUM)
(0) Preparation for Fundamental of Engineering Exam
15 – Total Credits

Year 4 (Spring Semester)

(1) CE 415L Applied Fluid Mechanics Lab
(3) CE 493 Engineering Design
(3) CE Elective II
(3) CE Elective III
(3) IE 345 Engineering Economic Analysis
(0-2) Health Experience (EH)
13-15 – Total Credits

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 125-127

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Computer Engineering

Accelerated Combined Degrees

The accelerated combined degree program allows students to complete two degrees in just five academic years.

- BS in Computer Engineering
- MS in Electrical and Computer Engineering

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in Computer Engineering
- Maintain a minimum 3.25 cumulative undergraduate GPA
- Maintain a minimum 2.75 undergraduate GPA in all engineering, math, and physical science courses
- Be within 32 credit hours of bachelor's degree completion at intended entry term.

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in electrical and computer engineering requires that students complete nine credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in computer engineering and the MS in Electrical and Computer Engineering.

Year 4 (Fall Semester)

(3) ECE 404 ECE Design
(3) CS 314 Operating Systems
(3) ECE/CS Elective II – **shared credit**
(3) ECE/CS Elective III – **shared credit**
(3) Breadth Info & Communication in Society (BICS)
(0-2) Health Experience
15-17 - Total Credits

Year 4 (Spring Semester)

(3) ECE 405 ECE Design Laboratory
(3) ECE/CS Elective IV – **shared credit**
(3) CS 340 Algorithms and Data Structures
(3) IE 345 Engineering Economic Analysis
(3) Interdisciplinary Studies/Global Cultures, Race, and Equity Education Experience (IS, EREG)
15 - Total Credits

Graduate Year (Fall Semester)

Choose thesis (ECE 599) or non-thesis option which requires electives and a research project.

(3) ECE 510 Engineering Research Methods
(3) ECE Grad Elective
(3) ECE Grad Elective
(3) ECE 599 Master's Thesis
12 – Total Credits

Graduate Year (Spring Semester)

Choose thesis (ECE 599) or non-thesis option which requires electives and a research project.

(3) ECE Grad Elective
(3) ECE Grad Elective
(3) ECE Grad Elective
(3) ECE 599 Master's Thesis
12 – Total Credits

See the graduate catalog for electrical and computer engineering (ECE) course descriptions.

Please review the academic policy for program requirements and restrictions.

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Computer Engineering, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Transfer

Transfer students should contact the Engineering Student Services office for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Credit will be reviewed using the following guidelines:

- A minimum grade of C is required in all chemistry, computer science, mathematics, physics, and engineering science courses applied to major or minor requirements.
- 300- or 400-level engineering course requirements will not be considered for transfer unless completed within 10 years within an ABET-accredited engineering program.

Degree Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. The Bachelor of Science in computer engineering requires completion of 128 hours. The requirements are as follows:

General Science and Mathematics (36 hours)

- (5) MATH 150 Calculus I
- (5) MATH 152 Calculus II
- (4) MATH 250 Calculus III
- (3) MATH 224 Discrete Mathematics
- (3) MATH 305 Differential Equations I
- (3) ECE 352 Probability and Statistics
- (4) CHEM 131 Engineering Chemistry (or 121A)
- (1) CHEM 135 Engineering Chemistry Lab (or 125A)
- (3) PHYS 141 Physics I for Engineering
- (1) PHYS 151L University Physics I Lab
- (3) PHYS 142 Physics II for Engineering
- (1) PHYS 152L University Physics II Lab

Computer Engineering/Science Topics (57 hours)

- (3) IE 106 Engineering Problem Solving
- (3) ECE 210 Circuit Analysis I
- (4) ECE 211 Circuit Analysis II
- (4) ECE 282 Digital Systems Design
- (4) ECE 326 Electronic Circuits I
- (3) IE 345 Engineering Economic Analysis
- (3) ECE 351 Signals and Systems
- (3) ECE 381 Microcontrollers
- (3) ECE 483 Advanced Digital Systems Engineering
- (3) CS 140 Introduction to Computing I
- (3) CS 150 Introduction to Computing II
- (3) CS 286 Intro to Computer Organization & Arch.
- (3) CS 314 Operating Systems
- (3) CS 340 Algorithms and Data Structures
- (3) ECE/CS Elective I
- (3) ECE/CS Elective II
- (3) ECE/CS Elective III
- (3) ECE/CS Elective IV

General Education Component (28-33 hours)

- (1) FST 101 Succeeding & Engaging at SIUE
- (3) ENG 101 English Composition I
- (3) ENG 102 English Composition II
- (3) ACS 103 Interpersonal Communication
- (3) ECON 111 Macroeconomics
- (3) PHIL 323 Engineering Ethics & Professionalism
- (3) (BLS) Breadth Life Science
- (3) (BFPA) Breadth Fine & Performing Arts
- (3) (BICS) Breadth Info & Communication in Society
- (3) (IS) Interdisciplinary Studies
- (0-3) (ERGU or EREG) U.S. Race, Gender, and Equity or Global Cultures, Race, and Equity Education
- (0-2) (EH) Health Experience

Capstone Design (6 hours)

- (3) ECE 404 ECE Design
- (3) ECE 405 ECE Design Laboratory

Retention

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incomplete, and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be given the conditions required for removal from probation. If the conditions are not met, students are dropped from the major and may not enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department’s academic standards committee.

Degrees Available at SIUE

- Bachelor of Science, Computer Engineering

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Satisfactory completion of all University and degree requirements
- A cumulative GPA of 2.0 or higher for courses taught in the School of Engineering
- A GPA of 2.0 or higher in electrical engineering and computer science courses numbered above 299
- Completion of at least 30 hours of the required electrical engineering and computer science courses at SIUE

Minor Requirements

A minor in computer engineering requires 23 semester hours. The courses required are:

- ECE 210, 211, 282, 351, 381, 483
- CS 150

A cumulative GPA of 2.0 or higher is required for these courses.

Sample Curriculum for the Bachelor of Science in Computer Engineering

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(3) IE 106 Engineering Problem Solving
(3) **ENG 101** English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) **CS 140** Introduction to Computing I
(5) **MATH 152** Calculus II (BPS)
(3) **PHYS 141** Physics I for Engineering (BPS)

(1) **PHYS 151L** University Physics I Lab (EL)
(3) ENG 102 English Composition II
15 - Total Credits

Year 2 (Fall Semester)

(3) **ECE 210** Circuit Analysis I
(3) **CS 150** Introduction to Computing II
(4) **MATH 250** Calculus III (BPS)
(3) **PHYS 142** Physics II for Engineering (BPS)
(1) **PHYS 152L** University Physics II Lab (EL)
(3) ACS 103 Interpersonal Communication (ERGU or EREG)*
17 - Total Credits

Year 2 (Spring Semester)

(4) ECE 211 Circuit Analysis II
(4) ECE 282 Digital Systems Design
(3) **MATH 305** Differential Equations I
(3) ECON 111 Macroeconomics (BSS)
(3) Breadth Fine & Performing Arts (BFPA)
17 - Total Credits

Year 3 (Fall Semester)

(4) ECE 326 Electronic Circuits I
(3) ECE 351 Signals and Systems
(3) ECE 352 Probability and Statistics
(3) CS 286 Intro to Computer Organization
(3) MATH 224 Discrete Mathematics
16 - Total Credits

Year 3 (Spring Semester)

(3) ECE 381 Microcontrollers
(3) ECE 483 Adv. Digital Systems Eng.
(3) ECE/CS Elective I
(3) PHIL 323 Engineering, Ethics & Professionalism (FRA, BHUM)
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 4 (Fall Semester)

(3) ECE 404 ECE Design
(3) CS 314 Operating Systems
(3) ECE/CS Elective II
(3) ECE/CS Elective III
(3) Breadth Info & Communication in Society (BICS, ERGU or EREG)*
(0-2) Health Experience
15-17 - Total Credits

Year 4 (Spring Semester)

(3) ECE 405 ECE Design Laboratory
(3) ECE/CS Elective IV
(3) CS 340 Algorithms and Data Structures
(3) IE 345 Engineering Economic Analysis
(3) Interdisciplinary Studies (IS)
15 - Total Credits

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 127-129

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Academic Emphasis Area' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Computer Science

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science or Bachelor of Arts program in Computer Science, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Transfer

Transfer students should contact the Engineering Student Services office for a review of credentials and placement at least 30 days before the beginning of the term for which entry is desired. Credit will be reviewed using the following guidelines:

- A minimum grade of C is required in all chemistry, computer science, mathematics, physics, and engineering science courses applied to major or minor requirements.
- 300- or 400-level engineering course requirements will not be considered for transfer unless completed within 10 years within an ABET-accredited engineering program.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BA or BS in Computer Science**
- **MS in Computer Science**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in computer science
- Maintain a minimum 3.0 cumulative undergraduate GPA
- Complete prerequisite and required computer science courses with grades of B or better within two years prior
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
    - Statement of purpose detailing background and career plans

Sample Curriculum

The accelerated master's in computer science requires that students complete 6-12 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA or BS in computer science and the MS in computer science. The following courses are approved to be taken as part of the accelerated master's in computer science:

CS 423: Complier Constructions
CS 434: Database Management Systems
CS 438: Artificial Intelligence
CS 447: Networks and Data Communications
CS 454: Theory of Computation
CS 456: Design and Analysis of Algorithms
CS 463: Cryptography
CS 476: Bioinformatics Algorithms
CS 482: Computer Graphics
CS 490: Topics in Computer Science

Senior Year (Fall Semester)

(3) CS 425 Senior Project: Software Design
(3) CS 447 Networks and Data Communications - **shared credit**
(3) CS 456 Advanced Algorithms - **shared credit**
(3) CS Undergraduate Elective I
(3) Breadth Social Science/Global Cultures, Race, and Equity Education Experience
15 Total Credits

Senior Year (Spring Semester)

(3) CS 499 Senior Project: Software Implementation
(3) CS 434 Database Management Systems - **shared credit**
(3) CS 438 Artificial Intelligence - **shared credit**
(3) Life, Physical or Social Science/Health Experience
(3) Life, Physical or Social Science/US Race, Gender, and Equity Experience
15 Total Credits

Graduate Year (Fall Semester)

(1) CS 500 Graduate Seminar in Computer Science
(3) CS 514 Computer Architecture
(3) CS Graduate Elective I
(3) CS 500 Master's Thesis
10 Total Credits

Graduate Year (Spring Semester)

(3) CS 516 Operating Systems
(3) CS Graduate Elective II
(3) CS Graduate Elective III
(3) CS 500 Master's Thesis
12 Total Credits

Please review the academic policy for program requirements and restrictions.

Degree Requirements

General Education Requirements for the Major

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. While fulfilling University general education requirements, all computer science majors are required to complete the following:

- ENG 101, ENG 102, ACS 103, RA 101 and MATH 150 (FQR)
- For the BS program, eight lecture courses in life, physical or social science including two labs
- For the BA program, eight courses in fine and performing arts and humanities including two semesters of the same foreign language

Degree Requirements BA

- CS 111, 140, 150, 234, 286, 314, 325, 330, 340, 360, 425, 447, 499
- MATH 150, 223 or 224
- STAT 244

Two Computing Electives

- CS 321, 382, 423, 434, 438, 454, 456, 482, 490, 495, MATH 465

One two-semester foreign language sequence (101-102)

One Minor (or Second Major)

Degree Requirements BS

- CS 111, 140, 150, 234, 286, 314, 325, 330, 340, 360, 425, 447, 499
- MATH 150, 152, 223 or 224

- STAT 244 or 380
- Two Math Electives (MATH 250, 321, or 423)
- One Laboratory Science Sequence (PHYS 141/151L & 142/152L or CHEM 121A/125A & 121B/125B or CHEM 131/135 & 121B/125B)
- One Additional Science Lab Elective (BIOL 150, CHEM 121A/125A, CHEM 131/135, PHYS 141/151L, PHYS 151/151L, or PHYS 201/201L)
- Five Computing Electives (CS 321, CS 382, CS 423, CS 434, CS 438, CS 454, CS 456, CS 482, CS 490, CS 495, ECE 381, ECE 482, ECE 483, or MATH 465)

Retention

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incomplete, and/or withdrawals in any combination for a single course required in the major

Students failing to meet the above standards may be conditionally retained. Failure to meet the conditions established by the department will result in termination from the major and ineligibility to enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's academic standards committee.

Degrees Available at SIUE

- Bachelor of Arts, Computer Science
- Bachelor of Science, Computer Science

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Complete all general education and specific program requirements
- Complete at least 12 hours of computer science credits at SIUE in courses numbered above 299 with a cumulative GPA of 2.0 or above
- Have a GPA of 2.0 or above in all computer science courses numbered above 299
- Complete at least six hours of credit in major courses numbered above 299 at SIUE in the two years preceding graduation
- For BA students, complete an undergraduate minor or second major in another discipline
- File an Application for Graduation by the first day of the term in which you plan to graduate

Minor Requirements

- CS 111 – Concepts of Computer Science
- CS 140 – Introduction to Computing I
- CS 150 – Introduction to Computing II
- CS 286 – Introduction to Computer Organization & Architecture

Three additional courses from the following: CS 234, 314, 321, 325, 330, 340, 382, 423, 434, 438, 447, 454, 456, 463, 476, 482, 490, 495

All courses must be completed with a minimum grade of C.

At least six semester hours must be earned at SIUE.

Sample Curriculum for the Bachelor of Science in Computer Science

Year 1 (Fall Semester)

(3) **CS 111** Concepts of Computer Science (BICS)
(3) **CS 140** Introduction to Computing I
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills (ERGU or EREG)*
(1) FST 101 Succeeding & Engaging at SIUE
18 – Total Credits

Year 1 (Spring Semester)

(3) **CS 150** Introduction to Computing II
(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
17 – Total Credits

Year 2 (Fall Semester)

(3) CS 234 Database and Web System Development
(3) MATH 224 or MATH 223 Discrete Mathematics (BPS)
(3-4) MATH elective
(4-5) Laboratory Science Sequence I (BPS, EL)
(3) RA 101 Reasoning & Argumentation
16-18 – Total Credits

Year 2 (Spring Semester)

(3) CS 286 Intro to Computer Organization & Architecture
(3) MATH Elective
(4-5) Laboratory Science Sequence II (BPS, EL)
(3-4) STAT 244 or STAT 380 Statistics for Applications (PS)
13-15 – Total Credits

Year 3 (Fall Semester)

(3) CS 360 Ethical and Social Implications of Computing
(3) CS 340 Algorithms and Data Structures
(3) CS 314 Operating Systems
(4-5) Lab Science Elective
13-14 – Total Credits

Year 3 (Spring Semester)

(3) CS 325 Software Engineering
(3) CS 447 Networks and Data Communications
(3) CS 330 Programming Languages
(3) Breadth Life Science (BLS)
(3) Interdisciplinary Studies
15 – Total Credits

Year 4 (Fall Semester)

(3) CS 425 Senior Project: Software Design
(3) CS Elective I
(3) CS Elective II
(3) CS Elective III
(3) Breadth Social Science (BSS)
15 – Total Credits

Year 4 (Spring Semester)

(3) CS 499-Senior Project: Software Implementation
(3) CS Elective IV
(3) CS Elective V
(1) Health Experience (EH)
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
13 - Total Credits

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 120

Sample Curriculum for the Bachelor of Arts in Computer Science

Year 1 (Fall Semester)

(3) **CS 111** Concepts of Computer Science (BICS)
(3) **CS 140** Introduction to Computing I
(3) ENG 101 English Composition
(3) ACS 103 Interpersonal Communication Skills (ERGU)
(1) FST 101 Succeeding & Engaging at SIUE
(3) Unrestricted/Minor Elective
16 – Total Credits

Year 1 (Spring Semester)

(3) **CS 150** Introduction to Computing II
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(5) **MATH 150** Calculus I (FQR)
(3) MATH 224 Discrete Mathematics (BPS)
17 – Total Credits

Year 2 (Fall Semester)

(3) CS 234 Database and Web System Development
(4) Foreign Language 101 (EREG)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) Health Experience
(3) Unrestricted/Minor Elective
17 – Total Credits

Year 2 (Spring Semester)

(3) CS 286 Intro to Computer Organization & Architecture
(4) STAT 244 Statistics (BICS)
(4) Foreign Language 102
(3) Breadth Social Science (BSS)
14 – Total Credits

Year 3 (Fall Semester)

(3) CS 360 Ethical and Social Implications of Computing
(3) CS 340 Algorithms and Data Structures
(3) CS 314 Operating Systems
(3) Fine & Performing Arts or Humanities
(3) Unrestricted/Minor Elective
15 – Total Credits

Year 3 (Spring Semester)

(3) CS 325 Software Engineering
(3) CS 330 Programming Languages
(3) CS 447 Networks and Data Communications
(3) Interdisciplinary Studies
(3) Fine & Performing Arts or Humanities
15 – Total Credits

Year 4 (Fall Semester)

(3) CS 425 Senior Project: Software Design
(3) CS Elective I
(3) Breadth Life Science (BLS)/Lab Experience (EL)
(3) Fine & Performing Arts or Humanities
(3) Unrestricted/Minor Elective
15 – Total Credits

Year 4 (Spring Semester)

(3) CS 499-Senior Project: Software Implementation
(3) CS Elective II
(3) Fine & Performing Arts or Humanities
(3) Unrestricted/Minor Elective
(3) Unrestricted/Minor Elective
15 - Total Credits

Total Hours 124

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Construction Management

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Construction Management, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Degree Requirements

General Education Requirements for the Major

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. While fulfilling University general education requirements all construction management majors are required to complete the following:

Breadth-Physical Science (BPS) Courses

- CHEM 120A
- CHEM 124A
- MATH 150
- PHYS 131
- PHYS 131L

Construction Courses

- CNST 111
- CNST 120
- CNST 153
- CNST 210
- CNST 231
- CNST 241
- CNST 261
- CNST 271
- CNST 301/301L
- CNST 303
- CNST 321
- CNST 332
- CNST 351
- CNST 361
- CNST 371
- CNST 411
- CNST 452
- CNST 470
- SURV 264

Construction Electives (12 hours)

- CNST 415
- CNST 425
- CNST 432
- CNST 461
- CNST 463
- CNST 481
- CNST 483
- CNST 485
- SURV 310
- SURV 364
- SURV 482
- SURV 484

Business Courses *

- ACCT 200, 210, 340
- FIN 320
- GBA 383
- MGMT 330

Breadth - Fine & Performing Arts (3 credits)

Breadth - Humanities

- PHIL 323

Breadth - Information & Communication in Society

- STAT 244 or 380

Breadth - Social Science Courses *

- ECON 111
- ECON 112

Foundations

- ENG 101
- ENG 102
- PHIL 323
- MATH 150
- ACS 103

Total: 129 units

* These courses fulfill the requirements for a minor in business administration.

Areas of Specialization

Students seeking a Bachelor of Science in construction management may specialize in land surveying. Survey coursework is also available to geography and civil engineering students, and to visiting students possessing a previous bachelor's degree. Students should discuss their career objectives with their faculty advisor in the Department of Construction.

Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.25 in courses taught in the School of Business
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incompletes, and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be informed of the conditions required for removal from probation. If the conditions are not met, students are dropped from the major and may not enroll in construction courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's academic standards committee.

Degrees Available at SIUE

- Bachelor of Science, Construction Management (specialization available in the following)
  - Land Surveying

Graduation Requirements

Construction students must meet all University requirements for graduation and the following construction management program requirements:

- Earn a cumulative GPA above 2.0 in all construction courses
- Earn a cumulative GPA above 2.25 in all business courses to qualify for a minor in business administration
- Complete the construction management senior assignment

Minor Requirements

A minor in construction management requires 21 semester hours. Courses are to be selected from the construction curriculum with approval from the chair of the Department of Construction. A cumulative GPA of 2.0 or higher is required for construction management courses.

Sample Curriculum for the Bachelor of Science in Construction Management

Year 1 (Fall Semester)

(2) **CNST 120** Introduction to Construction

(3) CNST 153 Computer Applications in Construction
(5) **MATH 150** Calculus I (FQR)
(3) **CHEM 120A** General, Organic, and Biological Chemistry (BPS)
(1) **CHEM 124A** General, Organic, and Biological Chemistry Lab (EL)
(3) ENG 101 English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total Credits

Year 1 (Spring Semester)

(3) CNST 111 Civil Construction Materials and Methods
(4) PHYS 131 College Physics I (BPS)
(1) PHYS 131L College Physics I Lab (EL)
(3) **ECON 111** Macroeconomics (BSS)
(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communication (ERGU or EREG)
17 - Total Credits

Year 2 (Fall Semester)

(3) CNST 210 Building Construction Materials & Methods
(3) CNST 231 Plans and Specifications
(4) SURV 264 Surveying Fundamentals
(4) **STAT 244** Statistics (BICS)
(3) **ECON 112** Microeconomics (BSS)
17 - Total Credits

Year 2 (Spring Semester)

(4) CNST 241 Statics and Mechanics of Solids
(3) CNST 261 Estimating I: Takeoffs
(3) CNST 271 Graphics Communication/Introduction to BIM
(3) **ACCT 200** Fundamentals of Financial Accounting
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Fall Semester)

(2) CNST 301 Soils
(1) CNST 301L Soils Lab
(3) CNST 303 Planning, Scheduling, and Project Management
(3) CNST 332 Mechanical Systems
(3) CNST 351 Analysis, Design and Construction in Structural Systems
(3) **ACCT 210** Managerial Accounting
15 - Total Credits

Year 3 (Spring Semester)

(3) CNST 321 Electrical Systems
(3) CNST 361 Estimating II: Labor, Resource Leveling, and Bidding
(3) CNST 371 Sustainable Building (BLS)
(3) CNST 470 Internship (EH)
(3) FIN 320 Financial Management and Decision Making
15 - Total Credits

Year 4 (Fall Semester)

(3) Construction Elective I
(3) Construction Elective II
(3) ACCT 340 Business Law for Accountants
(3) MGMT 330 Understanding the Bus. Environment
(3) PHIL 323 Engineering Ethics & Professionalism (FRA, BHUM)
15 - Total Credits

Year 4 (Spring Semester)

(3) CNST 411 Construction Contracts
(4) CNST 452 Construction Management
(3) GBA 383 Business and Society (IS, ERGU or EREG)
(3) Construction Elective III
(3) Construction Elective IV
16 - Total Credits

Total Hours 129

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed, or math) degree from an IAI community

college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Land Surveying Specialization Requirements

The land surveying specialization is designed to prepare graduates to meet the statutory requirements for eligibility to sit for the Illinois Fundamentals of Surveying examination and eventually become Professional Land Surveyors. The program of study consists of at least 24 hours of land surveying courses, including a core of 18 hours, and six hours of electives.

Completing the Bachelor of Science in construction management with a land surveying specialization requires 135 credit hours.

Land Surveying Core Courses

- SURV 264, 310, 364, 482, 484

Land Surveying Electives (select two)

- CNST 415, 425, 432
- SURV 481, 485, 486, 487
- GEOG 423

Sample Curriculum for the Bachelor of Science in Construction Management, Specialization in Land Surveying

Year 1 (Fall Semester)

(2) **CNST 120** Introduction to Construction
(3) CNST 153 Computer Applications in Construction
(5) **MATH 150** Calculus I (FQR)
(3) **CHEM 120A** General, Organic, and Biological Chemistry (BPS)
(1) **CHEM 124A** General, Organic, and Biological Chemistry Lab (EL)
(3) ENG 101 English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total Credits

Year 1 (Spring Semester)

(3) CNST 111 Civil Construction Materials and Methods
(4) PHYS 131 College Physics I (BPS)
(1) PHYS 131L College Physics I Lab (EL)
(3) **ECON 111** Macroeconomics (BSS)
(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communication (ERGU or EREG)
17 - Total Credits

Year 2 (Fall Semester)

(3) CNST 210 Building Construction Materials & Methods
(3) CNST 231 Plans and Specifications
(4) SURV 264 Surveying Fundamentals
(4) **STAT 244** Statistics (BICS)
(3) **ECON 112** Microeconomics (BSS)
17 - Total Credits

Year 2 (Spring Semester)

(4) CNST 241 Statics and Mechanics of Solids
(3) CNST 261 Estimating I: Takeoffs
(3) CNST 271 Graphics Communication/Introduction to BIM
(3) **ACCT 200** Fundamentals of Financial Accounting
(3) SURV 310 Legal Aspects of Surveying
16 - Total Credits

Year 3 (Fall Semester)

(2) CNST 301 Soils
(1) CNST 301L Soils Lab
(3) CNST 303 Planning, Scheduling, and Project Management
(3) CNST 332 Mechanical Systems
(3) CNST 351 Analysis, Design and Construction in Structural Systems
(3) SURV 364 Boundary Surveying
(3) **ACCT 210** Managerial Accounting
18 - Total Credits

Year 3 (Spring Semester)

(3) CNST 321 Electrical Systems
(3) CNST 361 Estimating II: Labor, Resource Leveling, and Bidding

(3) CNST 371 Sustainable Building (BLS)
(3) FIN 320 Financial Management and Decision Making
(3) Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 3 (Summer Semester)

(3) SURV 470 Internship (EH)
(3) MGMT 330 Understanding the Bus. Environment
6 - Total Credits

Year 4 (Fall Semester)

(4) SURV 482 Advanced Survey Systems and Senior Assignment
(3) Surveying Elective I
(3) Surveying Elective II
(3) ACCT 340 Business Law for Accountants
(3) PHIL 323 Engineering Ethics & Professionalism (FRA, BHUM)
16 - Total Credits

Year 4 (Spring Semester)

(3) CNST 411 Construction Contracts
(4) CNST 452 Construction Management
(3) GBA 383 Business and Society (IS, ERGU or EREG)
(4) SURV 484 Surveying Computations & Applications
14 - Total Credits

Total Hours 137

Notes:

Surveying Electives

(3) CNST 415 Land Development
(3) CNST 425 Heavy Civil Construction
(3) CNST 432 Design-Build Process
(3) SURV 481 Computer Mapping & Software Applications
(3) SURV 485 Geospatial Science
(3) SURV 486 Drone Mapping and Applications
(3) SURV 487 Route Geometrics & Design
(3) GEOG 423 Computer Mapping

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Criminal Justice Studies

Admission Requirements

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to Criminal Justice Studies in the College of Arts & Sciences:

•Cumulative 2.6 high school GPA (4.0 scale)
•Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
•Rank in Top 10% of High School Graduating Class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to Criminal Justice Studies in the College of Arts & Sciences, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to Criminal Justice Studies in the College of Arts & Sciences.

Transfer

Ordinarily, up to 12 semester hours of criminal justice transfer credit with grades of C or better may be accepted. Up to 15 hours of transfer credit may be accepted from Illinois universities and community colleges, as recommended under the Illinois Articulation Agreement. Additional transfer hours may be used if approved by criminal justice advisors.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BA or BS in Criminal Justice Studies**
- **MS in Criminal Justice Policy**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in criminal justice studies
- Maintain a minimum 3.0 cumulative GPA
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply for the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
   - Two letters of recommendation (both can be from undergraduate faculty, or one can be from a current employer)
   - Statement of purpose
   - GRE scores (optional)

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in criminal justice policy requires that students complete 6-12 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA or BS in criminal justice studies and the MS in criminal justice policy.

Senior Year (Fall Semester)

(3) 400-level CJ Elective - **shared credit**
(3) 400-level CJ Elective - **shared credit**
(3) Elective
(3) Elective
(3) Elective
15 Total Credits

Senior Year (Spring Semester)

(3) 400-level CJ Elective - **shared credit**
(3) 400-level CJ Elective - **shared credit**
(3) CJ 488 Supervised Internship
(3) Elective
12 Total Credits

Graduate Year (Fall Semester)

(3) CJ 502 Applied Research in Criminal Justice
(3) CJ 505 Seminar in Criminology
(3) CJ 513 Criminal Justice Statistics
(3) CJ Graduate Elective
12 Total Credits

Graduate Year (Spring Semester)

(3) CJ 515 Criminal Justice Planning and Budgeting
(3) CJ 517 Policy Analysis
(6) CJ 598 Capstone OR CJ 599 Thesis
9 Total Credits

See the graduate catalog for criminal justice studies (CJ) course descriptions.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

- CJ 111, 202, 206, 208, 273, 302, 303, 366, 488
- CJ Electives (15 hrs)

The core of the criminal justice major consists of 27 hours of coursework required of all students, plus 15 hours of criminal justice electives. Students are encouraged to complete CJ 111, 202, 206, and 208 with a C or better grade before enrolling in any 300- or 400-level CJ course. Students are also encouraged to complete CJ 302 and 303 before enrolling in 400-level CJ courses.

Completion of CJ 302: Research Methods, with a grade of C or better is required for enrollment in the supervised internship. Criminal justice majors may count up to six hours of 300- or 400-level courses in other programs with permission of the chair of criminal justice studies.

Students admitted to the Accelerated Master of Science in criminal justice policy program may apply 12 hours of approved graduate CJ electives to the undergraduate program.

Retention

Students majoring in criminal justice are required to maintain a cumulative average of C or better in their criminal justice coursework.

Senior Assignment

As part of the University's assessment program, all undergraduate majors in criminal justice are required to complete a senior assignment. This will occur during completion of the supervised internship (CJ 488).

General Education Requirements

University general education requirements are outlined in the general education section of this catalog and included in the sample curriculum outline. Students electing to complete a Bachelor of Arts must complete a minimum of one year of foreign language as well as six courses in fine and performing arts or humanities.

Degrees Available at SIUE

- Bachelor of Arts, Criminal Justice Studies
- Bachelor of Science, Criminal Justice Studies

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation

A cumulative GPA of 2.0 or above in criminal justice coursework is required for graduation. Students must pass all required courses with a grade of C or better. A minimum of 15 semester hours of upper-level courses are required for graduation.

Criminal Justice Minor Requirements

For a minor in criminal justice, students are required to complete at least 21 semester hours of CJ electives. Minors must maintain an average of C or better in their criminal justice courses. Ordinarily, minors do not take CJ 302, 303, or 488. Up to nine hours of transfer credit may be accepted toward the minor.

Sample Curriculum, Bachelor of Science in Criminal Justice

Students wishing to obtain a Bachelor of Arts may do so by adding one year of foreign language, as well as four additional courses in fine and performing arts or humanities.

See undergraduate course descriptions for details.

Year 1 Fall Semester

(3) **SOC 111** Introduction to Sociology (BSS, ERGU; recom)
(3) **ANTH 111B** Human Culture and Communication (BSS, EREG; recom)**
(3) ENG 101 English Composition I
(3) QR 101, MATH 150 or Higher
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **CJ 111** Intro to Criminal Justice (BSS)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
15 - Total Credits

Year 2 Fall Semester

(3) **CJ 202** Introduction to Corrections
(3) **CJ 208** Introduction to Law Enforcement
(3) **POLS 112** American National Government (BSS, ERGU; recom)
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 Spring Semester

(3) CJ 273 Crime, Theory and Practice
(3) **CJ 206** Criminal Law
(3) Breadth Physical Science (BPS)
(3) Health Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 Fall Semester

(3) CJ 302 Research Methods in CJ
(3) CJ 366 Race and Gender in CJ
(3) CJ Elective (200 level)
(3) Elective
(3) Elective
15 - Total Credits

Year 3 Spring Semester

(3) CJ 303 Data Analysis in CJ (SS, EL)
(3) Interdisciplinary Studies (IS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
(3) Elective
15 - Total Credits

Year 4 Fall Semester

(3) CJ Elective*
(3) CJ Elective*
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Elective
(3) Elective
15 - Total Credits

Year 4 Spring Semester

(3) CJ 488 Supervised Internship
(3) CJ Elective (200 level recommended)*
(3) CJ Elective*
(3) Elective
(2) Elective
14 - Total Credits

Total Hours 120

*12 hours of approved graduate CJ electives may be applied to the undergraduate degree for students admitted to the Accelerated Master of Science in

criminal justice policy program.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Cybersecurity

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Cybersecurity, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Degree Requirements

Breadth - Physical Science Courses

- MATH 152, 250
- PHYS 141, 151L, 142, 152L

Breadth

- Breadth Fine & Performing Arts
- Breadth Life Science
- Breadth Social Science

Breadth - Information & Communication in Society Course

- CS 111

Breadth - Humanities Course

- PHIL 323

Foundations

- ENG 101, 102
- ACS 103 (EREG or ERGU)
- PHIL 323 (FRA)
- MATH 150 (FQR)

First Semester Transition

- FST 101

The Following Experiences Are Also Required: Health (EH), Experience Global Cultures, Race and Equity Education (EREG), Experience U.S. Race, Gender, and Equity (ERGU)

Interdisciplinary Course (IS)

- IS 375

Engineering Courses

- CS 111, 140, 150, 286, 314, 340, and 447
- ECE 210, 211, 282, 351, 352, and 381
- CYE 163, 263, 331, 349, 373, 383, 449, and 499

CYE Electives (9 hours)

- CS 330, 360, 434, 454, 456
- ECE 375, 436, 455, 475, 483, 485
- MATH 320, 420, 462
- STAT 380
- CYE 491

Academic Status/Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299

- Receive no more than two failure grades, incomplete and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be given the conditions required for removal from probation. If the conditions are not met, the students are dropped from the major and may not enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's undergraduate committee.

Degrees Available at SIUE

- Bachelor of Science, Cybersecurity Engineering

Graduation Requirements

- A cumulative GPA of 2.0 or higher in engineering courses
- A grade of C or better in CYE 263, CYE 331, CYE 373, CYE 349, and CYE 383
- Completion of all departmental and University requirements
- Successful completion of a senior assignment as part of CYE 449 Capstone Project I: Design & Prototype, and CYE 499 Capstone Project II: Implementation
- File an Application for Graduation by the first day of the term in which you plan to graduate

Sample Curriculum for the Bachelor of Science in Cybersecurity Engineering

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 103 Interpersonal Communication Skills+ (EREG or ERGU)
(3) **CS 111** Concepts of Computer Science (BICS)
(3) **CS 140** Introduction to Computing I
(5) **MATH 150** Calculus I (FQR)
(1) FST 101 Succeeding & Engaging at SIUE
18 – Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) **PHYS 141** Physics I for Engineering (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
(3) CS 150 Introduction to Computing II
(5) **MATH 152** Calculus II (BPS)
(3) CYE 163 Introduction to Cybersecurity
18 – Total Credits

Year 2 (Fall Semester)

(3) **PHYS 142** Physics II for Engineering (BPS)
(1) **PHYS 152L** University Physics II Lab (EL)
(3) ECE 210 Circuit Analysis I
(4) ECE 282 Digital System Design
(3) CS 286 Intro to Computer Organization & Architecture
(4) **MATH 250** Calculus III (BPS)
18 – Total Credits

Year 2 (Spring Semester)

(3) ECE 211 Circuit Analysis II
(3) MATH 224 Discrete Mathematics (BPS)
(3) CYE 263 Defensive Programming
(3) **MATH 305** Differential Equations
(3) CS 314 Operating Systems
16 – Total Credits

Year 3 (Fall Semester)

(3) PHIL 323 Engineering, Ethics, & Professionalism (BHUM, FRA)
(3) CYE 331 Defective Cybersecurity
(3) CS 340 Algorithms and Data Structures
(3) ECE 351 Signals and Systems
(3) ECE 381 Microcontrollers
15 – Total Credits

Year 3 (Spring Semester)

(3) ECE 352 Probability and Statistics
(3) CYE 383 Platform Cybersecurity
(3) CYE 373 Cryptography
(3) IS 375 Technology and Public Policy (IS)
(3) CS 447 Networks and Data Communications

15 – Total Credits

Year 4 (Fall Semester)

(3) CYE 349 Network Cybersecurity Engineering
(3) CYE 449 Capstone Project I: Design & Prototype
(3) Breadth Life Science (BLS)
(3) CYE Elective I
(3) CYE Elective II
15 – Total Credits

Year 4 (Spring Semester)

(3) CYE 499 Capstone Project II: Implementation
(3) CYE Elective III
(3) Breadth Social Science (BSS)
(3) Breadth Fine & Performing Arts (BFPA)
(0-2) Health Experience (EH)
(3) Experience Global Cultures, Race, and Equity Education (EREG) or Experience U.S. Race, Gender, and Equity (ERGU)+

15-17 - Total Credits

Total Hours 127-129

+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Dental Medicine

Admission Requirements

Applicants to the DMD program are reviewed in a holistic manner with consideration to all components of the application, including the criteria below.

Prerequisites

While the majority of accepted applicants have completed requirements for a Bachelor of Arts or a Bachelor of Science degree prior to matriculation at the School of Dental Medicine, the absolute minimum prerequisite for admission to the School of Dental Medicine is successful completion of three academic years – 90 semester or 135 quarter hours – of undergraduate course work. This includes the specified subjects listed in the following table, at an accredited college or university in the United States. A maximum of 60 semester hours from an accredited community or junior college is allowed. In addition to the stated prerequisites, preference will be given to applicants demonstrating exemplary academic performance in additional higher-level science courses while taking full academic loads. Science courses should not be survey courses or other such courses designed for non-science majors.

Applicants are required to complete the following coursework with a C or better by July of the intended entering year. Grades of D or lower will not be accepted. The SIU School of Dental Medicine will accept pass/fail grades for Spring 2020 coursework only. We do not accept AP credit for the following subjects.

Required Subjects	Semester Hours	Quarter Hours
Biology (with labs)	8	12
General Chemistry (with labs)	8	12
Organic Chemistry (with labs)	8	12
Physics	6	9
Biochemistry	3	5
English*	6	9

**For the English requirement, 6 semester hours are accepted or the completion of a Bachelor of Arts or a Bachelor of Science degree.*

We strongly suggest selecting several additional higher-level courses, as cited in the following table.

Recommended Courses	Semesters
Anatomy	1 Semester
Physiology	1 Semester
Microbiology	1 Semester
Cell and Molecular Biology	1 Semester
Histology	1 Semester
Immunology	1 Semester
Genetics	1 Semester
Neural Science/Neural Physiology	1 Semester
Statistics	1 Semester

Letter of Recommendation

Southern Illinois University School of Dental Medicine requires a total of three letters of recommendation. Letters must be uploaded directly to the AADSAS application by the evaluators. Letters sent directly to the Office of Admissions are not recommended. Of the required letters of recommendation uploaded to AADSAS, applicants

must have:

- **TWO Science Letters –** Letters must be from science professors who have taught and graded the applicant at the university level. Science letters should include the course name, number and professors signature.
- **ONE Letter of Choice –** One letter by an evaluator of the applicant's choice. This evaluator could be another professor, a mentor or dentist. This letter should include letterhead and a signature.

-OR-

- **Pre-Health Professions Committee Letter –** If the applicant's undergraduate institution has a pre-health profession committee, a letter or letter packet by committee members can be submitted in place of the three required letters of recommendation. This packet or letter will be submitted to AADSAS as one individual letter.

Extracurricular Activities & Shadowing

SIU School of Dental Medicine does not require extracurricular activities and dental shadowing experience but highly recommends these experiences. Applicants should report all activities and experiences on their AADSAS application. AADSAS will have applicants provide details on each experience. Applicants should keep track of dates, hours, descriptions of each experience and the name and address of the direct supervisor/organization.

Examples of Extracurricular Activities:

- Academic Enrichment Programs
- Athletics
- Clubs and Organizations
- Research
- Volunteering
- Work Experience

Example of Shadowing

- Observing a General Dentist
- Observing a Dental Specialist

Applicants that are shadowing or observing will complete this without compensation or volunteer hours. Any shadowing that has been completed as part of a club/organization activity must report it under such on the AADSAS application.

** *SIU School of Dental Medicine is unable to provide dental volunteer/shadowing opportunities.*

Dental Admissions Test

All applicants must take the Dental Admissions Test (DAT); no exceptions are made. The American Dental Association (ADA) administers the DAT and it is available year round at Prometric test centers in the U.S. and Canada. Applicants will report official DAT scores to AADSAS and dental education programs of their choice.

The DAT can be taken before applying in June of the application year. Scores must be received before the application deadline of November 15th. To be a competitive applicant and to be considered for the first round of interviews, the DAT should be taken before September 15th. An applicant should report future DAT test dates on the AADSAS application. The DAT is valid for three years before matriculation.

Residency

Admission to the SIU School of Dental Medicine is limited. As a state institution, established to provide dentists for the State of Illinois and supported by the taxpayers of Illinois, the School gives priority to admission of Illinois residents.

Policy on Diversity

SIU School of Dental Medicine is dedicated to serve a diverse community that recognizes the inherent worth and dignity of each individual. Our goal is to foster tolerance, sensitivity, understanding, and mutual respect among its members, while encouraging each individual to reach his or her potential.

Minimal Academic Expectations of Students/Graduation Requirements

All students are expected to progress through the School of Dental Medicine program in good academic standing. Good standing is defined, minimally, as earning:

- Passing grades in all courses (defined as 70.00% or higher);
- A minimum semester GPA of 2.25, in each semester;
- A minimum cumulative GPA of 2.25;
- Passing grades on all competency exams;
- A minimum requirement of discipline-specific and comprehensive patient care points as described in the Student Interactive Learning Progress System (SILPS) document for clinical students in Year III and Year IV;
- Free of academic sanctions.

Note: The dental curriculum is designed to move the student from required foundational knowledge to more advanced clinical applications. As such, each semester presents a fixed set of courses that are prerequisite to the subsequent semester. There is no flexibility in the schedule of courses and all courses can be offered only one time per academic year. All courses must be successfully completed each semester in order to advance to the next semester. Therefore, a failure in a single course can prevent the promotion of a student. Single course withdrawals are not permitted. A student must be in good standing to be eligible for unconditional promotion from one academic year to the next and for graduation from the program.

Degrees Available at SIUE

- Doctor of Dental Medicine (DMD) (Additional post-doctoral program opportunities include)
  - Advanced Education in General Dentistry (AEGD)
  - Fellowship in Implant Dentistry
  - Graduate Endodontics
  - Graduate Orthodontics

School of Dental Medicine

Program Description

The SIU School of Dental Medicine in Alton, Ill., offers a four-year academic program that awards the Doctor of Dental Medicine (DMD). The mission of the Southern Illinois University School of Dental Medicine is to educate dentists and improve the oral health of the region through patient care, research/scholarship and service. In addition to classroom, clinical, and research facilities, the School has recently opened a new multidisciplinary, preclinical simulation laboratory. The use of this facility will enhance the student's preparation to be outstanding healthcare providers. The School also has broad capabilities in microscopy, including scanning electron microscopy and confocal microscopy, as well as other sophisticated equipment with which to conduct biomedical research. Patient care is provided in state-of-the-art clinical facilities at the Alton campus and the East St. Louis Clinic.

The dental curriculum is a structured program that requires all students to participate in a specified course of study. During the first two academic years, the educational offerings center on the biomedical sciences such as anatomy, microbiology, physiology and pathology, and preclinical dental sciences such as operative dentistry, prosthodontics, pediatric dentistry, and community health. Courses consist of a mixture of didactic, laboratory and clinical offerings.

The third and fourth years of the curriculum focus on more advanced aspects of dental treatment and the relationship of basic, medical, and social sciences to the treatment of dental disease. During the third and fourth years, the students devote the majority of their time to providing comprehensive clinical outpatient care.

The School of Dental Medicine also offers Advanced Education in General Dentistry, a one-year certificate program designed to enhance patient care skills acquired during the pre-doctoral education process. Training is conducted at the Alton campus and the East St. Louis Clinic. The program includes experiences with special needs patient populations, outpatient sedation, operating room care and training in dental implant techniques.

The dental school offers an implant fellowship as part of its postdoctoral training program. The fellowship is a one-year, non-certificate program that provides intensive training in implant dentistry within a comprehensive patient care environment. Training is conducted at the Alton campus. Clinical, teaching and research experiences are emphasized throughout the program.

Additional advanced dental education opportunities at SIU School of Dental Medicine's Advance Care Clinic located in Alton, Illinois include the graduate Endodontic and Orthodontic programs. Residents in the graduate endodontics program receive an additional two years of training focused on diagnosing tooth pain and root canal treatment, as well as other procedures relating to the interior of the tooth. In many cases, a diseased tooth can be saved with endodontic treatment. The graduate program in Orthodontics is a full-time program that requires twenty-four consecutive months to complete. The clinical, didactic and research components of the program are designed to enhance skill, knowledge and critical thinking in orthodontics. Residents who successfully complete the advanced education program will receive a specialty certificate in Orthodontics and Dentofacial Orthopedics from Southern Illinois University School of Dental Medicine.

The School's admission committee, on a competitive basis, grants admission to the Doctor of Dental Medicine (DMD) program on completion of specific undergraduate academic requirements, satisfactory achievement on the Dental Aptitude Test, and successful review of the student's credentials.

Combined Arts and Sciences Dental Curriculum (BS/DMD Honors Program)

A special combined arts and sciences dental curriculum that leads to the Bachelor of Science and Doctor of Dental Medicine (BS/DMD Honors Program) is available for students interested in attending Southern Illinois University Edwardsville for their undergraduate degree. The pre-professional part of the curriculum is completed in just three years on the Edwardsville campus, and the four-year professional portion at the School of Dental Medicine in Alton, Ill. After successful completion of the first year of the combined program, a student is offered a tentative acceptance to the dental school, provided the student meets and continues to meet or exceed the conditions of the three-year pre-professional program. Students admitted to the School of Dental Medicine at the end of their junior year at SIUE may transfer appropriate credits toward the completion of the requirements for the Bachelor of Arts or Bachelor of Science in biological sciences with a specialization in medical science, or a Bachelor of Arts in chemistry with a specialization in medical science. For details, see the biological sciences and chemistry sections of this catalog. Students interested in the dental program or the combined baccalaureate in biology/doctorate in dentistry (BS/DMD) program should contact SIUE College of Art and Science Advisement at 618-650-5525 and speak with a Pre-Health Professions advisor. https://https://www.siue.edu/arts-and-sciences/advisement/prehealth-professions.shtml

Sample Curriculum for the Doctor of Dental Medicine

Year 1 (Fall Semester)

- DBMT 711 — Medical Terminology (1st 9 weeks)
- DIID 711 — Ethical Issues in Dentistry (1st 9 weeks)
- DIEB 711 — Evidence Based Dentistry (18 weeks)
- DSCP 711 — Cariology, Community & Preventive Dentistry (18 weeks)
- DICC 716* — Clinical Care II (18 weeks)
- DBPA 711 — General/Systemic Pathology I (18 weeks)
- DIGR 711 — Grand Rounds (18 weeks)
- DCMO 711 — Dental Morphology (18 weeks)
- DCOD 711 — Operative Dentistry I (18 weeks)
- DIAS 711 — Anatomical Sciences I (18 weeks)
- DIBM 711 — Biomedical Foundations I (18 weeks)
- DBRA 711 — Radiology I and Interpretation (18 weeks)

*Not graded until end of Semester II
**Pass/Fail course - Credit Hours Issued at end of Semester I

Year 1 (Spring Semester)

- DBAS 712 - Anatomical Sciences II (18 weeks)
- DIBM 712 - Biomedical Foundations II (18 weeks)
- DBPA 712 - General and Systemic Pathology II (18 weeks)
- DPDM 712 — Intro to Dental Materials (18 weeks)
- DPFP 712 — Introduction to Fixed Pros. (18 weeks)
- DBMB 712 — Microbiology and Immunology (18 weeks)

- DIOC 712 — Occlusion I (18 weeks)
- DSPD 712 — Pediatric Dentistry I (18 weeks)
- DBRA 712 - Preclinical Radiology (18 weeks)
- DPRP 712 — Removal Complete Dentures I (18 weeks)
- DICC 716* — Clinical Care II (18 weeks)

*Course continued from Semester I

Year 2 (Summer Semester)

- DSLA 720 — Local Anesthesia/Pain Control (8 Weeks)
- DSME 720 — Management of Medical Emergencies (8 Weeks)
- DSOD 720 — Nitrous Oxide Anxiolysis (8 weeks)
- DCOD 720 — Operative Dentistry II (8 weeks)
- DBOR 720 — Orthodontics I (8 weeks)
- DGCP 720 — Special Needs & Geriatric Dent. (8 weeks)
- DICC 726* - Clinical Care II (8 weeks)

*Not graded until end of Spring Semester

Year 2 (Fall Semester)

- DIBM 721 - Biomedical Foundation III (18 weeks)
- DPEN 721 - Endodontics (18 weeks)
- DPFP 721 — Fixed Prosthodontics I (18 weeks)
- DIGR 721** — Grand Rounds (18 weeks)
- DSPD 721 — Pediatric Dentistry II (18weeks)
- DSPE 721 — Periodontology I (18 weeks)
- DBPH 721 — Pharmacology I (18 weeks)
- DBRA 721 — Radiology I and Interpretation (18 weeks)
- DPRP 721 — Removable Complete Dentures I (18 weeks)
- DBPA 721 — Soft Tissue Oral Pathology (18 weeks)
- DICC 726* - Clinical Care II (18 weeks)

*Not graded until end of Semester II
**Pass/Fail course - Credit Hours Issued at end of Semester II

Year 2 (Spring Semester)

- DAOM 722 — Oral and Maxillofacial Surgery I (1st 9 weeks)
- DBBS 722 — Dental Behavioral Science I (18 Weeks)
- DIIP 722 — Dental Implantology I (18 weeks)
- DSFP 722 — Fixed Prosthodontics II (18 weeks)
- DIPR 722 — Hard Tissue Oral Path/Oral Radiology (18weeks)
- DCOD 722 - Operative Dentistry III (18 weeks)
- DBOD 722 — Oral Diagnosis & Physical Evaluation (18 weeks)
- DSPD 722 — Pediatric Dentistry III (18 Weeks)
- DSPE 722 — Periodontology II (18 weeks)
- DBPH 722 — Pharmacology II (18Weeks)
- DPEN 722 — Preclinical Endodontics (18 weeks)
- DBRA 722 — Preclinical Radiography (18 weeks)
- DRRP 722 — Removable Partial Dentures I (18 weeks)
- DICC 726* — Clinical Care II (18 weeks)

*Course continued from Summer and Fall

Year 3 (Summer Semester)

- DBBS 730 — Behavioral Science III (8 Weeks)
- DBOR 730 — Orthodontics II (8 weeks)
- DPRP 730 — Removable Complete Dentures II (8 weeks)
- DBOR 730 — Orthodontics II (8 weeks)
- DITP 730 — Treatment Planning (8 weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 736** — Clinical Community Dentistry (44 weeks)
- DIIP 736** — Clinical Dental Implantology (44 weeks)
- DPEN 736** — Clinical Endodontics (44 weeks)
- DPFP 736** — Clinical Fixed Prosthodontics (44 weeks)
- DCOD 736** — Clinical Operative Dentistry (44 weeks)
- DSOS 736** — Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 736** — Clinical Oral Medicine (44 weeks)
- DBOR 736** — Clinical Orthodontics (44 weeks)
- DIPC 736** - Clinical Patient Service and Care Completion (44 weeks)
- DSPD 736** — Clinical Pediatric Dentistry (44 weeks)
- DSPE 736** — Clinical Periodontology (44 weeks)
- DIPP 736** — Clinical Professionalism & Patient Mgmt. I (44 weeks)

- DARA 736** — Clinical Radiology (44 weeks)
- DRRP 736** — Clinical Removable Prosthodontics (44 weeks)
- DITP 736** — Clinical Treatment Planning and Patient Communication (44 weeks)

**Not graded until end of Spring Semester

Year 3 (Fall Semester)

- DBOM 731 — Adv. Oral Medicine & Physical Eval. (18 weeks)
- DBPH 731- Applied Pharmacology (18 weeks)
- DISA 731 - Dental Sleep Medicine (18 weeks)
- DPEN 731 — Endodontics (18 weeks)
- DIEB 731 - Evidenced Based Dentistry II (18 weeks)
- DPFP 731 — Fixed Prosthodontics III (18 weeks)
- DIGR 731* — Grand Rounds (18 weeks)
- DAPE 731 — Periodontology III (18 weeks)
- DSOM 731 — Oral and Maxillofacial Surgery II (18 weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 736** — Clinical Community Dentistry (44 weeks)
- DIIP 736** — Clinical Dental Implantology (44 weeks)
- DPEN 736** — Clinical Endodontics (44 weeks)
- DPFP 736** — Clinical Fixed Prosthodontics (44 weeks)
- DCOD 736** — Clinical Operative Dentistry (44 weeks)
- DSOS 736** — Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 736** — Clinical Oral Medicine (44 weeks)
- DBOR 736** — Clinical Orthodontics (44 weeks)
- DIPC 736** - Clinical Patient Service and Care Completion (44 weeks)
- DSPD 736** — Clinical Pediatric Dentistry (44 weeks)
- DSPE 736** — Clinical Periodontology (44 weeks)
- DIPP 736** — Clinical Professionalism & Patient Mgmt. I (44 weeks)
- DARA 736** — Clinical Radiology (44 weeks)
- DRRP 736** — Clinical Removable Prosthodontics (44 weeks)
- DITP 736** — Clinical Treatment Planning and Patient Communication (44 weeks)

**Not graded until end of Spring Semester

Year 3 (Spring Semester)

- DSAS 732 — Dental Anxiolysis, Sedation and General Anesthesia (1st 9 weeks)
- DBIM 732 — Internal Medicine (1st 9 weeks)
- DSCP 732 — Special Needs and Geriatric Dentistry II (1st 9 weeks)
- DPRP 732 — Adv Removable Prosthodontics (18 weeks)
- DCPM 732 –Dental Practice Management I (18 weeks)
- DITP 732 — Integrated Review and Treatment Planning (18 weeks)
- DBOM 732 — Temporomandibular Disorders and Oral Facial Pain (18 weeks)
- DAOM 732 — Oral & Maxillofacial Surgery III (18 weeks)
- DBTH 732 — Therapeutics (18 weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 736** — Clinical Community Dentistry (44 weeks)
- DIIP 736** — Clinical Dental Implantology (44 weeks)
- DPEN 736** — Clinical Endodontics (44 weeks)
- DPFP 736** — Clinical Fixed Prosthodontics (44 weeks)
- DCOD 736** — Clinical Operative Dentistry (44 weeks)
- DSOS 736** — Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 736** — Clinical Oral Medicine (44 weeks)
- DBOR 736** — Clinical Orthodontics (44 weeks)
- DIPC 736** - Clinical Patient Service and Care Completion (44 weeks)
- DSPD 736** — Clinical Pediatric Dentistry (44 weeks)
- DSPE 736** — Clinical Periodontology (44 weeks)
- DIPP 736** — Clinical Professionalism & Patient Mgmt. I (44 weeks)
- DARA 736** — Clinical Radiology (44 weeks)
- DRRP 736** — Clinical Removable Prosthodontics (44 weeks)
- DITP 736** — Clinical Treatment Planning and Patient Communication (44 weeks)

**Course continued from Summer and Fall semester

Year 4 (Summer Semester)

- DCPM 740 — Dental Practice Management II (8 Weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 746** — Advanced Clinical Community Dentistry (44 weeks)
- DIIP 746** — Advanced Clinical Dental Implantology (44 weeks)
- DPEN 746** — Advanced Clinical Endodontics (44 weeks)
- DPFP 746** — Advanced Clinical Fixed Prosthodontics (44 weeks)
- DCOD 746** — Advanced Clinical Operative Dentistry (44 weeks)
- DSOS 746** —Advanced Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 746** —Advanced Clinical Oral Medicine (44 weeks)
- DBOR 746** —Advanced Clinical Orthodontics (44 weeks)
- DIPC 746** - Advanced Clinical Patient Service and Care Completion (44 weeks)
- DSPD 746** — Advanced Clinical Pediatric Dentistry (44 weeks)
- DSPE 746** — Advanced Clinical Periodontology (44 weeks)
- DIPP 746** — Advanced Clinical Professionalism & Patient Mgmt. I (44 weeks)
- DARA 746** — Advanced Clinical Radiology (44 weeks)
- DRRP 746** —Advanced Clinical Removable Prosthodontics (44 weeks)
- DITP 746** — Advanced Clinical Treatment Planning and Patient Communication (44 weeks)

**Not graded until end of Spring Semester

Year 4 (Fall Semester)

- DSPD 741 — Advanced Pediatric Dentistry (10 weeks)
- DGPM 741 — Dental Practice: A Mgmt. Simulation (18 weeks)
- DIGR 741* — Grand Rounds (18 weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 746** — Advanced Clinical Community Dentistry (44 weeks)
- DIIP 746** — Advanced Clinical Dental Implantology (44 weeks)
- DPEN 746** — Advanced Clinical Endodontics (44 weeks)
- DPFP 746** — Advanced Clinical Fixed Prosthodontics (44 weeks)
- DCOD 746** — Advanced Clinical Operative Dentistry (44 weeks)
- DSOS 746** —Advanced Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 746** —Advanced Clinical Oral Medicine (44 weeks)
- DBOR 746** —Advanced Clinical Orthodontics (44 weeks)
- DIPC 746** - Advanced Clinical Patient Service and Care Completion (44 weeks)
- DSPD 746** — Advanced Clinical Pediatric Dentistry (44 weeks)
- DSPE 746** — Advanced Clinical Periodontology (44 weeks)
- DIPP 746** — Advanced Clinical Professionalism & Patient Mgmt. I (44 weeks)
- DARA 746** — Advanced Clinical Radiology (44 weeks)
- DRRP 746** —Advanced Clinical Removable Prosthodontics (44 weeks)
- DITP 746** — Advanced Clinical Treatment Planning and Patient Communication (44 weeks)

*Pass/Fail course
**Not graded until end of Spring Semester

Year 4 (Spring Semester)

- DICP 742 — Case Presentations (18 weeks)

Clinical Courses: (clinical courses continue from start of summer session to end of spring semester)

- DSCP 746** — Advanced Clinical Community Dentistry (44 weeks)
- DIIP 746** — Advanced Clinical Dental Implantology (44 weeks)
- DPEN 746** — Advanced Clinical Endodontics (44 weeks)
- DPFP 746** — Advanced Clinical Fixed Prosthodontics (44 weeks)
- DCOD 746** — Advanced Clinical Operative Dentistry (44 weeks)

- DSOS 746** —Advanced Clinical Oral & Maxillofacial Surgery (44 weeks)
- DBOM 746** —Advanced Clinical Oral Medicine (44 weeks)
- DBOR 746** —Advanced Clinical Orthodontics (44 weeks)
- DIPC 746** - Advanced Clinical Patient Service and Care Completion (44 weeks)
- DSPD 746** — Advanced Clinical Pediatric Dentistry (44 weeks)
- DSPE 746** — Advanced Clinical Periodontology (44 weeks)
- DIPP 746** — Advanced Clinical Professionalism & Patient Mgmt. I (44 weeks)
- DARA 746** — Advanced Clinical Radiology (44 weeks)
- DRRP 746** —Advanced Clinical Removable Prosthodontics (44 weeks)
- DITP 746** — Advanced Clinical Treatment Planning and Patient Communication (44 weeks)

**Course continued from Summer and Fall semester

Early Childhood Education

Admission Requirements

Direct Admission for High School Students

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Early Childhood Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW +M OR 19 ACT
- Rank in top 10% High School Graduating Class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Early Childhood Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Early Childhood Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

Transfer credit for courses will be evaluated by the Registrar. Transfer students should contact an advisor in the School of Education, Health and Human Behavior Student Services (SEHHB-advising@siue.edu) as early as possible to discuss transfer procedures.

Retention

In order to be retained in the teacher education cohort in early childhood education, it is necessary to have:

- A cumulative GPA of 2.5 or higher at all institutions and be in good academic standing at SIUE
- Completion of 42 semester hours or more of college-level coursework
- All foundations courses (ENG 101, 102, ACS 101 or ACS 103, RA 101 and QR 101) must be completed with a “C” or higher
- Completion of PSYC 201 Child Psychology with a grade of "C" or Higher
- Prior to any field placements, candidates must pass a criminal background check and be free of any offenses which would prohibit one from receiving licensure in from the Illinois State Board of Education
- Completion of 42 semester hours or more of college-level coursework

Degree Requirements

The program in early childhood education requires 120 hours of general education courses, health and physical development courses, and professional education courses. Transfer students may be required to complete additional hours in general education to meet licensure requirements. Students seeking licensure in early childhood education must meet SIUE general education requirements.

Students are required to read the University catalog available online through the SIUE website. Students should review it as soon as they identify an interest in the teaching profession. Then they should schedule an appointment with a School of Education, Health and Human Behavior advisor.

Senior Assignment

The senior project, a University requirement, is an integral part of the early childhood education program. Additional details are provided by program faculty and University supervisors. Students pursuing a career in teaching should make certain their courses are in compliance with University and departmental degree requirements, as well as state licensure requirements. Information about these requirements is provided to undergraduates by the education advisors in the School of Education,

Health and Human Behavior Student Services. Important notices are posted for review.

Moving from Non-Licensure to Licensure:

Students admitted under a non-licensure option, or who graduated without licensure, may pursue initial teacher licensure in Illinois. Students completing the program may switch from non-licensure to licensure with the approval of the Program Director.

To be eligible for licensure students must:

- Reapply to an early childhood program with a licensure option
- Be in good academic standing at SIUE
- Have a combined GPA of 2.5 or higher of all postsecondary work
- Pass all applicable licensure tests
- Complete all applicable program and/or licensure requirements
- Successfully complete an appropriate student teaching experience

Retention

To remain in the early childhood education program, the student must maintain a cumulative GPA of 2.5 and earn a grade of C or better in all courses for the major. Normally, a student also must receive a satisfactory recommendation from the cooperating teacher and University instructor in field placement courses.Students who apply for a non-licensure option will have an internship experience in place of student teaching. Prior to any field placements, candidates must pass a criminal background check and be free of any offenses which would prohibit one from receiving licensure from the Illinois State Board of Education.

Degrees Available at SIUE

- Bachelor of Science, Early Childhood Education

Graduation Requirements (subject to change due to changes at ISBE)

- A GPA of 2.5 or higher at all institutions and be in good academic standing at SIUE
- Completion of all specific program requirements with a C or better
- Completion of all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
  - At least 30 of which must be completed at SIUE
  - At least 60 of which must be completed at a regionally accredited four-year institution
- Completion of all foundations courses (or approved equivalents) with a C or better
  - ENG 101, 102, ACS 101 or ACS 103, RA 101, QR 101
- Passing score on required early childhood Content Area Test (licensure only)
- Application for Graduation filed by the first day of the term in which you plan to graduate

Sample Curriculum for the Bachelor of Science in Early Childhood Education

Year 1 (Fall Semester)

(3) **ENG 101** English Composition I
(3) **MATH 112A** Mathematics for Elementary Teachers (BPS) or higher (6 credits of MATH 112 or higher)
(3) **GEOG 111** Introduction to Geography (BSS) or GEOG 201 World Regions (BSS, EREG)*
(3) **ACS 101** Public Speaking or ACS 103 Interpersonal Communication Skills (EREG)*
(3) **ART 111**, **MUS 111**, **DANC 111** or **THEA 111** or any Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ENG 102** English Composition II
(3) **HIST 200** or **HIST 201** United States History (BSS, EL)
(3) **MATH 112B** Mathematics for Elementary Teachers (BPS) or higher (6 credits of MATH 112 or higher)
(3) **SCI 241A** Foundations of Science (BLS, EL) or any Breadth Life Science (BLS)
(3) RA 101 Reasoning & Argumentation
15 - Total Credits

Year 2 (Fall Semester)

(3) ENG Literature (BHUM, EREG)*

(3) QR 101 Reasoning & Argumentation
(3) **PSYC 201** Child Development (BSS)
(3) **ECON 111, ECON 112, POLS 111,** or **POLS 112** (BSS)
(2) Health Experience
(3) IT 300 Digital Learning and Communication for Educators or Breadth Info & Communication in Society (BICS)
17 - Total Credits

Year 2 (Spring Semester)

(3) **ESCI 111, PHYS 118, GEOG 210,** or **GEOG 211** Earth Science course (BPS)
(3) SPE 290 Language Development
(3) SPE 400 The Exceptional Child
(3) **SCI 241B** Foundations of Science (BPS, EL) or any Breadth Physical Science (BPS)
(3) **CIED 310** Socially Just Instructional Practices for All Students (ERGU)
15 - Total Credits

Year 3 (Fall Semester)

(3) ART 450 Early Childhood Art Education
(3) CIED 316 Active Engagement with Infants & Toddlers
(3) CIED 317 Health, Nutrition, Safety, Physical Activity
(3) SPE 440 Infants/Toddlers with Special Needs & Their Families
(1) CIED 330 EC Field Experience I
(3) Interdisciplinary Studies (IS)
16 - Total Credits

Year 3 (Spring Semester)

(3) CIED 314 Learning Environments
(3) CIED 318 Collaborative Relationships
(3) CIED 319B Inquiry, Play, and Investigation in the Early Years-Lab
(3) CIED 320 Supporting Language & Literacy Development: Birth-Age 5
(3) CIED 417 Assessment of Young Children
(1) CIED 331 EC Field Experience II
16 - Total Credits

Year 4 (Fall Semester)

(3) CIED 321 Primary Literacy Assessment and Instruction
(3) CIED 418 Teaching Mathematics in Early Childhood Ed.
(3) CIED 416 Inquiry, Investigation & Play in the Primary Grades
(3) CIED 433 Methods and Materials for Teaching Preschool and Primary Dual and Secondary Language Learners
(1) CIED 332 EC Field Experience III
13 - Total Credits

Year 4 (Spring Semester)

Licensure

(5) CIED 458 Early Childhood Student Teaching
(5) CIED 459 Elementary Student Teaching
(2) CIED 457 Professionalism, Ethics & Advocacy in Early Childhood
12 - Total Credits

Non-Licensure

(5) CI 490A Independent Projects: Curriculum
(5) CI 490G Independent Projects: Early Childhood
(2) CIED 457 Professionalism, Ethics & Advocacy in Early Childhood
12 - Total Credits

Total Hours 120

* Select GEOG 201, ACS 103, or an English Literature course with EREG attribute to also meet Experience Global Cultures, Race, and Equity Education (EREG) requirement.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Economics

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Economics major. This major is housed in the College of Arts and Sciences, and the College of Arts and Sciences has a partnership with the Economics and Finance department in the School of Business to offer this social science based major. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Economics major provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended. This major is housed in the College of Arts and Sciences, and the College of Arts and Sciences has a partnership with the Economics and Finance department in the School of Business to offer this social science based major.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Economics major. This major is housed in the College of Arts and Sciences, and the College of Arts and Sciences has a partnership with the Economics and Finance department in the School of Business to offer this social science based major.

Any course with a grade of D accepted for transfer credit to SIUE will not count toward a major in economics.

General Education Requirements for the Major

University general education requirements are outlined in the general education section of this catalog and included in the sample curriculum outline. While fulfilling University general education requirements, all economics majors are required to complete MATH 120 College Algebra (BPS).

Degree Requirements BA and BS

- ECON 111*, 112*
- MS 250* or MATH 150*
- MS 251* or STAT 380*
- ECON 301*, 302*
- ECON 315*
- Three ECON Electives chosen from the following:
  - ECON 300, 321, 327, 341, 343, 345, 346, 411, 415, 416, 417, 428, 429, 431, 439, 461.
- Senior Assignment

* C or higher required.

Retention

Students in the Bachelor of Arts and Bachelor of Science programs are required to maintain a 2.0 GPA in economics courses.

Degrees Available at SIUE

- Bachelor of Arts, Economics
- Bachelor of Science, Economics

Graduation Requirements

- Maintain a 2.0 GPA in economics courses and a cumulative 2.0 GPA
- Complete all economics courses in regularly scheduled classes. (No credit is granted for correspondence or extension courses.)
- Complete exit exam, exit survey, and portfolio reflection
- Complete a minor as approved by the department

Students who have earned credit for a course required for a degree in economics by taking a proficiency examination, by transferring credit for a course, or by taking the course, may not earn credit

for graduation by taking a similar or lower division course in economics at SIUE or at other higher education institutions.

Minor Requirements

Students satisfy the requirements for a minor in economics by taking ECON 111, 112, 301, 302 and one other economics electives at the 300 or 400 level for a total of 15 hours. Students must meet all economics course prerequisites and are required to maintain a 2.0 GPA in economics courses. Any course with a grade of D accepted for transfer credit to SIUE will not count toward the minor in economics.

Sample Curriculum for the Bachelor of Arts in Economics

Year 1 (Fall Semester)

(3) **ECON 112** Microeconomics (BSS)
(3) ENG 101 English Composition I
(4) Foreign Language 101 (BICS, EREG)
(3) MATH 120 College Algebra (BPS)
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics (BSS)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 102 English Composition II
(4) Foreign Language 102
(3) **MS 250** Math Methods for Business Analysis
16 - Total Credits

Year 2 (Fall Semester)

(4) **MS 251** Statistical Analysis for Business Decisions (EL)
(3) Breadth Humanities (BHUM) (Suggest ECON 321)
(3) Breadth Life Science (BLS)
(3) RA 101 or PHIL 212
13 - Total Credits

Year 2 (Spring Semester)

(3) ECON 301 Consumer and Firm Decision-making (BSS)
(3) ECON 302 Economic Growth and Stability (BSS)
(3) ECON 315 Empirical Business Applications (EL)
(3) QR 101 or MATH 150 or Higher
(3) Minor
15 - Total Credits

Year 3 (Fall Semester)

(3) ECON Elective
(3) Fine & Performing Arts or Humanities
(3) Fine & Performing Arts or Humanities
(3) Minor
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) ECON Elective
(3) Interdisciplinary Studies (IS)
(3) Fine & Performing Arts or Humanities
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ECON Elective
(3) Fine & Performing Arts or Humanities
(3) Elective/Minor
(3) Minor
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(0) Senior Assignment/Exit Requirement
(2) Health Experience (EH) (Suggest ECON 411)
(3) Experience U.S. Race, Gender, and Equity (ERGU) (Suggest ECON 327)
(3) Elective
(3) Elective
(3) Elective
14 - Total Credits

Total Hours 120

NOTES: Bachelor of Arts requires completion of eight courses in fine and performing arts or humanities, including two semesters of the same foreign language. Bachelor of Science requires completion of eight lecture courses in life, physical or social science, including two lecture courses with labs (EL).

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Economics

Year 1 (Fall Semester)

(3) **ECON 112** Microeconomics (BSS)
(3) ENG 101 English Composition I
(3) MATH 120 College Algebra (BPS)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ECON 111** Macroeconomics (BSS)
(3) QR 101, MATH 150 or Higher
(3) ENG 102 English Composition II
(3) **MS 250** Math Methods for Business Analysis
(3) RA 101 Reasoning and Argumentation
15 - Total Credits

Year 2 (Fall Semester)

(4) **MS 251** Statistical Analysis for Business Decisions (BICS, EL)
(3) Breadth Humanities (BHUM) (Suggest ECON 321)
(3) Breadth Life Science (BLS)
(3) Minor
(3) Minor
16 - Total Credits

Year 2 (Spring Semester)

(3) ECON 301 Consumer and Firm Decision-making (BSS)
(3) ECON 302 Economic Growth and Stability (BSS)
(3) ECON 315 Empirical Business Applications (EL)
(3) Experience U.S. Race, Gender, and Equity (ERGU) (Suggest ECON 327)
(3) Minor
15 - Total Credits

Year 3 (Fall Semester)

(3) ECON elective
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(2) Health Experience (EH) (Suggest ECON 411)
(3) Minor
(3) Elective
14 - Total Credits

Year 3 (Spring Semester)

(3) ECON Elective
(3) Interdisciplinary Studies (IS)
(3) Elective
(3) Elective
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) ECON Elective
(3) Elective
(3) Elective
(2) Elective
(3) Minor
14 - Total Credits

Year 4 (Spring Semester)

(0) Senior Assignment/Exit Requirement
(3) Elective/Minor
(3) Elective
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

NOTES: Bachelor of Arts requires completion of eight courses in fine and performing arts or humanities, including two semesters of the same foreign language. Bachelor of Science requires completion of eight lecture courses in life, physical or social science, including two lecture courses with labs (EL).

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Elementary Education

Admission Requirements

Direct Admission for High School Students

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Elementary Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW +M OR 19 ACT
- Rank in top 10% High School Graduating Class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Elementary Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Elementary Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

Transfer credit for courses will be evaluated by the Registrar. Transfer students should contact an advisor in the School of Education, Health and Human Behavior Student Services (SEHHB-advising@siue.edu) as early as possible to discuss transfer procedures.

Retention

In order to be retained in the teacher education cohort in elementary education, it is necessary to have:

- All foundations courses must be completed with a "C" or higher. (Foundations courses are: ENG 101, ENG 102, ACS 101 or ACS 103, RA 101 and QR 101)
- Received a grade of C or better in CIED 100, MATH 120 or MATH 112C
- A cumulative GPA of 2.5 or higher at all institutions and be in good academic standing at SIUE
- Completion of 42 semester hours or more of college-level coursework

Degree Requirements

Graduation with a Bachelor of Science in elementary education requires completion of 123 credit hours, 60 of which must be earned from a four-year institution, with at least 30 taken at SIUE. Transfer students may be required to complete additional hours in general education to meet licensure and/or graduation requirements. Students seeking licensure in elementary education must meet SIUE general education requirements.

The senior assignment, a university requirement for graduation, is an integral part of the elementary education program. The elementary program has elected to use the CPAST to fulfill this requirement. Additional details are provided by program faculty.

Students entering the program are required to read the University catalog about this program. As soon as they identify an interest, they should talk to or schedule an appointment with a School of Education, Health and Human Behavior advisor (Founders Hall 1110, 618-650-3940).

If students are interested in earning a Professional Educator License for grades PreK-12 in Art, Foreign Language, Music, or Theater and Dance, they should consult the program pages for details. Art and Music program courses are specific to the major department content department in the College of Arts and Sciences, while Foreign Language and Theater and Dance are available through the Secondary Education program.

Retention

To remain in the elementary education program, the student must maintain a cumulative GPA of 2.5 and earn a grade of C or better in all curriculum and instruction in education (CIED) courses, and professional education courses (MATH 112A, MATH 112B, SPE 400, SCI 241A, SCI 241B, IT 300, PSYC 201 and KIN 330), and courses required by the Illinois State Board of Education for teacher licensure at SIUE. Professional dispositions are also monitored. Failure to demonstrate appropriate dispositions can lead to dismissal from the program. Normally, a student also must receive a satisfactory recommendation from the cooperating teacher and university instructor in field placement courses. In order to advance to student teaching (CIED 451), and become certified to teaching grades 1-6, Illinois law requires teacher candidates to have obtained a passing score on the required ILTS Elementary Content Area Test. Passing score on required ILTS Elementary Content Area Test -or- equivalent assignment which fully demonstrates IL Standards Based Content Test Knowledge approved by program due before graduation. Information about the IL TS exam is available online. Students should consult the program director or School of Education, Human and Health Behavior Student Services for the deadline in which this score needs to be on file in order to graduate. If, during their second year in the program, students decide that they do not wish to pursue initial teacher licensure in Illinois, they may have the option to pursue a non-licensure degree. Students interested in this route should work with the program director and Student Services Office to determine graduation requirements. Students who elect this non-licensure degree may have the option to have an extended practicum experience in the place of student teaching. This option still requires completion of a senior assignment. Prior to any field placements, candidates must pass a criminal background check and be free of any offenses which would prohibit one from receiving licensure from the Illinois State Board of Education.

Degrees Available at SIUE

- Bachelor of Science, Elementary Education

Graduation Requirements

- A GPA of 2.5 or higher at all institutions and be in good academic standing at SIUE
- Meet all the requirements for Retention
- Completion of all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
- Completion of all foundations courses (or approved equivalents) with a C or better
  - ENG 101, 102, ACS 101 or ACS 103, RA 101, QR 101
- Passing score on required ILTS Elementary Content Area Test or equivalent assignment which fully demonstrates IL Standards Based Content Test Knowledge approved by program due before graduation. Information about the IL TS exam is available online. Please note that students will need to pass the ILTS Elementary Content Area Test to become certified to teach grades 1-6 in the state of Illinois.
- The CPAST is the Elementary Program's Senior Assignment. Additional details are provided by program faculty.
- File an Application for Graduation by the date determined by the Registrars' Office

Sample Curriculum for the Bachelor of Science in Elementary Education

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) MATH 112A Math for Elementary Teachers: Number Sense and Algebra (BPS)
(3) RA 101 Reasoning & Argumentation
(3) CIED 100 Introduction to Education
(1) FST 101 Succeeding & Engaging at SIUE
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Note: During the first semester of coursework, start a file in the School of Education, Health and Human Behavior Student Services.

Year 1 (Spring Semester)

(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 102 English Composition II
(3) MATH 112B Mathematics for Elementary Teacher (BPS)
(3) PSYC 111 Foundations of Psychology (BSS, EH)
(3) QR 101 Quantitative Reasoning
15 - Total Credits

Year 2 (Fall Semester)

(3) Science Elective (Breadth Area)
(3) PSYC 201 Child Psychology (BSS)
(3) HIST 200 U.S. History through the Reconstruction Era (BSS)
(3) ENG Literature (BHUM)
(3) **CIED 310** Planning for Diverse Learners (ERGU)
15 - Total Credits

Year 2 (Spring Semester)

(3) MATH 120 College Algebra or MATH 112C Mathematics for Elementary Teaching
(3) GEOG 111 Intro to Geography or GEOG 201 World Regions or GEOG 205 Human Geography (BSS)
(3) HIST 201 U.S. History since the Reconstruction Era (BSS)
(3) ECON 111 or ECON 112 or POLS 111 or POLS 112
(3) Interdisciplinary Studies (IS)/Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 3 (Fall Semester)

(3) CIED 312 Language and Communication
(3) CIED 441 Math Methods
(1) CIED 302 Field Experience II
(3) SPE 400 Exceptional Child
(3) SCI 241A Foundations of Science I (BLS, EL) or any Breadth Life Sciences
(3) KIN 330 Integrating Health and Physical Education into the K-8 Curriculum
(1) CI 490H Independent Readings and Projects in CI: Elementary Education or CIED 452 Seminar in Professionalism and Ethics of Teaching
17 - Total Credits

Year 3 (Spring Semester)

(3) CIED 313 Intro to Educ. Assessment
(3) CIED 321 Primary Literacy
(3) CIED 443 Social Studies Methods
(1) CIED 303 Field Experience III
(3) SCI 241B Foundations of Science II (BPS, EL) or any Breadth Physical Sciences
(3) IT 300 Digital Learning and Comm. for Educators (BICS)
(1) CI 490H Independent Readings and Projects in CI: Elementary Education or CIED 452 Seminar in Professionalism and Ethics of Teaching
17 - Total Credits

Note: Pass Content Area Test Prior to Student Teaching.

Year 4 (Fall Semester)

(3) CIED 322 Lit Comprehension and Composition
(3) CIED 442 Science Methods
(3) CIED 314 Learning Environments
(3) CIED 311 Planning for Differentiated Instruction
(2) CIED 304 Field Experience IV
(2) CI 490H Independent Readings and Projects in CI: Elementary Education or CIED 452 Seminar in Professionalism and Ethics of Teaching
16 - Total Credits

Year 4 (Spring Semester)

(10) CIED 451 Student Teaching
(2) CIED 452 Seminar in Professionalism and Ethics of Teaching
12 - Total Credits

Total Hours 123

English

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the English major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the English major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the English major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for more information.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years. Students can choose one of the following specializations:

- **BA in English + MA in English with a Literature Specialization**
- **BA in English + MA in English with a Teaching English as a Second Language Specialization**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in English
- Maintain a minimum 3.0 cumulative GPA
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply for the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
   - English Literature
     - Three letters of recommendation
     - Statement of purpose (one page)
     - A recent sample of the applicant's writing, at least 10 pages in length. The admissions committee prefers to read papers which engage in literary analysis, but will accept any paper which demonstrates the ability to conduct scholarly investigation.
   - Teaching English as a Second Language
     - Three letters of recommendation
     - Statement of purpose: A three- to five-page paper which explains how the applicant became interested in the field of TESL, what the applicant hopes to learn in the program and how that learning will help the applicant in a career.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum - English Literature

The accelerated master's in English with a literature specialization requires that students complete six credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA in English and the MA in English with a literature specialization.

During your senior year, choose six credit hours from the following electives which count toward both degrees:

- ENG 403 History of the English Language
- ENG 404 Chaucer: Canterbury Tales
- ENG 420 Topics in Film Studies
- ENG 446 Studies in African-American Literature
- ENG 457 Topics in Postcolonial Literature and Criticism
- ENG 463 Topics in Literary Periods
- ENG 464 Topics in Forms and Genres
- ENG 471 Shakespeare
- ENG 473 Milton
- ENG 477 Morrison
- ENG 478 Studies in Women, Language and Literature
- ENG 479 Major Authors: Shared Traditions
- ENG 480 Major Authors: Crossing Boundaries
- ENG 482 Technology and Literature
- ENG 496 Scholarly and Critical Editing

Senior Year (Fall Semester)

(3) ENG - Language Systems
(3) ENG 400-level Literature Elective - **shared credit**
(3) Minor Coursework
(3) Elective
12 Total Credits

Senior Year (Spring Semester)

(3) ENG 497A English Senior Seminar
(3) ENG 400-level Literature Elective - **shared credit**
(3) Elective
(3) Elective
12 Total Credits

Graduate Year (Summer Term)

(3) ENG 4xx/5xx Grad Literature or English Elective
(3) ENG 5xx Grad Literature or English Elective
6 Total Credits

Graduate Year (Fall Semester)

(3) ENG 501 Modern Literary Studies
(3) ENG 5xx Grad Literature
(3) ENG 5xx Grad Literature or English Elective
9 Total Credits

Graduate Year (Spring Semester)

(3) ENG 502 Modern Literary Theory
(3) ENG 5xx Grad Literature
(3) ENG 5xx Preparatory Reading - Exit Project
9 Total Credits

See the graduate catalog for English language and literature (ENG) course descriptions.

Sample Curriculum - Teaching English as a Second Language

The accelerated master's in English with a specialization in teaching English as a second language requires that students complete 6-12 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA in English and the MA in English with a specialization in teaching English as a second language.

Senior Year (Fall Semester)

(6-9) Undergrad major coursework/electives
(3) ENG 400 Principles of Linguistics - **shared credit**
(3) ENG 403, 405, 408, 409, 417, 470, 472, or 474 - **shared credit**
12-15 Total Credits

Senior Year (Spring Semester)

(3) ENG 416 Language and Society - **shared credit**
(3) ENG 468 Second Language Acquisition - **shared credit**
6 Total Credits

Graduate Year (Fall Semester)

Choose thesis (ENG 599) or professional development (ENG 595) option.
(3) ENG 542 Methods for Teaching English as a Second Language
(1) ENG 545 TESL Practicum
(3) ENG 5xx Elective

(3) ENG 599 Thesis or ENG 4xx/5xx Elective
10 Total Credits

Graduate Year (Spring Semester)

(2) ENG 545 TESL Practicum
(3) ENG 5xx Elective
(3) ENG 599 Thesis or ENG 595 Seminar
8 Total Credits

See the graduate catalog for English language and literature (ENG) course descriptions.

Retention Requirements

Minimum GPA of 3.0 is required in all graduate coursework.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Bachelor of Arts in English (36 hours)

Three required English courses (9-hour sequence):

- ENG 200 or ENG 125, ENG 205, or ENG 225
- ENG 301 or ENG 341
- ENG 497A or ENG 495

Three survey courses (9 hours) from the following:

- ENG 205, 208, 209, 211, 212, 214, 215, 225, 342, 344,* 345*

*ENG 344 and ENG 345 may be taken up to six hours when no topic is repeated, but may only count one time each to fulfill survey requirement.

One major author course (3 hours) from the following:

- ENG 307, 404, 471, 473, 477, 479, 480

One language systems course (3 hours) from the following:

- ENG 343, 369, 370, 400, 403, 416

One course in writing approaches (3 hours) from the following:

- ENG 201, 290, 334, 490, 491

One additional upper-level literature elective (**3 hours**); may not include survey or major authors courses selected above

Two additional English electives (**6 hours**)

Minor requirements (18-21 hours)

Foreign Languages (all hours in the same language: 8 hours)

Additional electives (15-20 hours)

African American Literary Studies

The English Department offers a variety of literature courses, and students interested in African American Literary Studies earn credit toward the major by selecting the following courses from each category:

Three Required Courses: ENG 125, 205 or 225 (foundations) + ENG 341 (theory) + ENG 495 (senior seminar)

Three Survey Courses: ENG 205, 225, 342, 344, or 345

One Major Author Course: ENG 477, 479 (if topic is appropriate), or 480 (if topic is appropriate)

One Language Systems Course: ENG 343

One Writing Approaches Course: ENG 290, ENG 490, or ENG 491

Upper-Level Literature Elective: ENG 446

English Electives: ENG 344, 464, or 499 (two electives)

Notes:

- The complete program can include no more than 15 hours at the 200 level and must include **at least 15 hours at the 400 level**.
- ENG 499 may not count toward the 400-level course requirements.
- Only courses in which students receive a C or better will be applied toward English major or minor requirements.
- Students planning to attend graduate school in

English or law school should take two years of a foreign language.

Bachelor of Arts in English, Major Concentration in Secondary English Language Arts (Professional Educator Licensure, Grades 9-12)

Six required English courses (18 hours):

- ENG 200, 301, 445, 475, 485, 497A

One British literature survey course (3 hours) from the following:

- ENG 208
- ENG 209

One American literature survey course (3 hours) from the following:

- ENG 205
- ENG 211
- ENG 212

One world literature survey course (3 hours) from the following:

- ENG 214
- ENG 215

One major author (Shakespeare) course (3 hours) from the following:

- ENG 307
- ENG 471

One course in language systems (3 hours) from the following:

- ENG 369
- ENG 400

One course in rhetoric and writing (3 hours) from the following:

- ENG 332, 333, 334, 410, 412, 488, 490, 491

One additional upper-level literature elective (3 hours) from the following:

- ENG 306, 309, 310, 315, 340, 341, 342, 343, 344, 345, 404, 420, 446, 457, 463, 464, 473, 477, 478, 479, 480, 482

One elective (ACS 461 prerequisite) in Applied Communication Studies (3 hours) from the following:

- ACS 200, 201, 204, 210, 304, 305, 311, 331, 421, 426, 430, 433, or 434

One required course in speech communication education (3 hours):

- ACS 461

Foreign Languages (all hours in the same language, 8 hours)

Professional Education Courses (39 hours)

See requirements for Professional Educator Licensure (Grades 9-12) in the School of Education, Health, and Human Behavior section of this catalog.

Notes:

The complete program can include no more than 15 hours at the 200 level and must include at least 15 hours at the 400 level. Students must make one 400-level selection in language systems, rhetoric and writing, or literature to meet the minimum requirement.

ENG 499 may not count toward the 400-level course requirements.

Only courses in which students receive a C or better will be applied toward English major requirements.

English majors seeking Professional Educator Licensure (Grades 9-12) in Secondary English Language Arts (SELA) must maintain a cumulative 3.0 GPA in English courses as well as an overall cumulative 2.5 GPA. GPAs will be calculated based on all college courses taken at all institutions.

English majors seeking professional educator licensure meet all requirements for the non-licensure English major excluding the minor requirement. English-SELA students are mentored in the Secondary English Education program and take 15 hours in specific courses in English and speech rather than the required 6 hours of English electives

for the non-licensure English BA degree. If a student drops the Secondary English Language Arts major concentration, a minor program must be added and an additional writing approaches course may be required.

One calendar year before the semester in which teacher candidates plan to begin student teaching, English-SELA majors must apply for approval from the English Education Committee of the Department of English Language and Literature. Application is made through the English Department's student teacher screening process.

The Bachelor of Arts in English with a major concentration in Secondary English Language Arts fulfills State of Illinois requirements for Professional Educator Licensure, Grades 9-12.

See the English Department website for program guides and semester-specific course descriptions. See the English Education website for additional English-SELA program information.

General Education Requirements for the Major

University general education requirements are outlined in the General Education section of the undergraduate academic catalog and included in the sample curriculum outline.

Retention

- Maintain a cumulative GPA of 2.0.
- Maintain a term GPA above 1.0 in any term.

Degrees Available at SIUE

- Bachelor of Arts in English
  - Major Concentration in Secondary English Language Arts (Professional Educator Licensure, Grades 9-12)

Available English Program Minors

- Creative Writing
- Linguistics
- Literature
- Rhetoric and Writing

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Complete all general education and specific program requirements
- Complete all minor requirements
- Complete two semesters of a single foreign language
- File an Application for Graduation by the first day of the term in which you plan to graduate

English Minors

- Linguistics
- Literature
- Creative Writing
- Rhetoric and Writing

See specific requirements for English minors below.

Linguistics Minor Requirements

A minor in linguistics may be combined with a major in English. However, courses may not be counted for both programs. English majors who satisfy the linguistics minor requirements may substitute any English elective for the three-hour language systems requirement.

The linguistics minor requires a minimum of six courses (18 hours), each earned with a grade of C or higher, with the following structure:

- **Three required courses (9 credits):**
  - ENG 369 - Grammatical Analysis
  - ENG 400 - Principles of Linguistics
  - ENG 416 - Language and Society
- **A palette of choices to make up the other 9 credits:**
  - Select one (3 credits):
    - ENG 207 - Language Awareness
    - ENG 370 - Morphological Analysis
    - PHIL 355 - Philosophy of Language
  - Select two (6 credits):
    - ENG 403 - History of the English Language
    - ENG 408 - Phonological Analysis
    - ENG 409 - Syntactic Analysis
    - ENG 468 - Second Language Acquisition

Electives should be chosen in consultation with the department mentor for the linguistics minor. See the advising and mentoring website for the current mentor.

Literature Minor Requirements

The literature minor requires a minimum of 18 hours of English courses numbered 200 or above, with a grade of C or higher in each course. English 200 should be taken at the first possible opportunity. Six of the remaining 15 hours must be taken in English courses numbered 400 or higher. Appropriate courses in creative writing, expository writing, and linguistics may be included as supplements to the literature courses. All courses should be selected with the approval of the department mentor for the literature minor. See the advising and mentoring website for the current mentor. The literature minor may not be combined with an English major.

Creative Writing Minor Requirements

The creative writing minor may be combined with an English major. However, courses may not be counted for both programs. Minors are encouraged to take courses in more than one genre. A focus of poetry or fiction is required to fulfill the core requirements. Students must earn a grade of C or higher in each course counted toward the Creative Writing minor.

Core requirements (9 hours):

- ENG 290 (Introduction to Creative Writing)
- ENG 392 (Fiction Writing) or ENG 393 (Poetry Writing) (prerequisite: 290)
- ENG 492 (Advanced Fiction Writing) or ENG 493 (Advanced Poetry Writing) (prerequisite: 392 or 393)

Electives (9 hours) - choose three from the following options; at least one course must be a designated creative writing elective (marked with an asterisk):

- MC 202 (Writing for the Media) [non-MC majors only]
- Any 400-level literature course (particularly contemporary literature)
- ENG 494 (Literary Editing) [offered fall semester only]
- An off-genre poetry/fiction class* (393 and/or 493 if you're a fiction writer; 392 and/or 492 if you're a poet)
- ENG 394* (Playwriting)
- ENG 444* (Creative Nonfiction)
- ENG 465* (Special Topics; variable topic course; see CW mentor to verify applicability to minor requirements)
- ENG 490* (Advanced Composition)
- ENG 498* (Creative Writing with Research) (prerequisite: 392 or 393 or consent of instructor)

Electives should be selected in consultation with Dr. Joshua Kryah, the department mentor for the creative writing minor.

Rhetoric and Writing Minor Requirements

The minor in rhetoric and writing requires a minimum of 18 hours. Students must complete ENG 101 and 102 with a grade of C or better before beginning the minor. Students are required to take ENG 201 (Intermediate Composition); ENG 490 (Advanced Composition); and either ENG 334 (Scientific Writing) or ENG 491 (Technical and Business Writing). In addition, students must select three electives from the following courses: ENG 332, 333, 410, 411, 412, 444, or 488. With advisor approval, ENG 465 may also be used as an elective when an appropriate topic is offered. At least six of the 18 hours must be taken at the 400-level. A minor in rhetoric and writing may be combined with an English major. However, courses may not be counted for both programs. Students must earn a grade of C or higher in each course counted toward the Rhetoric and Writing minor. Electives should be selected in consultation the department mentor for the rhetoric and writing minor. See the advising and mentoring website for the current mentor.

Core Requirements (9 hours):

- ENG 201 - Intermediate Composition
- ENG 490 - Advanced Composition
- Either ENG 334 - Scientific Writing or ENG 491- Technical and Business Writing

Electives (9 hours) from the following:

- ENG 332 - Argument
- ENG 333 - The Rhetoric of Videogames
- ENG 410 - Rhetoric, Writing, and Citizenship
- ENG 411 - Internship in Writing
- ENG 412 - Digital Literacies

- ENG 444 - Creative Nonfiction
- ENG 465 - Special Topics (with advisor approval)
- ENG 488 - Rhetoric, Politics, and the Law

Sample Curriculum for the Bachelor of Arts in English

- The following sample program of study is for the standard English major and does not include requirements for teacher licensure. See Professional Educator Licensure for the English major concentration in secondary English language arts.
- See Degree Requirements section for information about African American Literary Studies.

Year 1 Fall Semester

(3) **ENG 101** English Composition I
(3) Breadth Physical Science (BPS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) QR 101 or MATH 150 or Higher
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **ENG 102** English Composition II
(3) **ENG** (Survey/BHUM)
(3) Breadth Social Science (BSS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(2) Health Experience (EH)
14 - Total Credits

Year 2 Fall Semester

(3) ENG 200 Introduction to Literary Study (HUM)
(3) **ENG** (Survey/BHUM)
(4) **Foreign Language 101** (BICS, EREG)
(3) Breadth Life Science (BLS)
(3) Experience Lab (EL)
16 - Total Credits

Year 2 Spring Semester

(3) **ENG** (Survey/BHUM)
(3) ENG 301 Literary Theory
(4) **Foreign Language 102**
(3) Minor
(3) RA 101 Reasoning and Argumentation
16 - Total Credits

Year 3 Fall Semester

(3) ENG (Writing Approaches)
(3) ENG (Major Author/BHUM)
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Elective
15 - Total Credits

Year 3 Spring Semester

(3) ENG (Language Systems)
(3) ENG Elective (200 or higher)
(3) Minor
(3) Minor
(3) Elective
15 - Total Credits

Year 4 Fall Semester

(3) ENG (Upper-Level Lit Elective)
(3) ENG Elective (200 or higher)
(3) Minor
(3) Minor
(3) Elective
15 - Total Credits

Year 4 Spring Semester

(3) ENG 497A Senior Seminar
(3) Elective/Minor
(7) Electives
13 - Total Credits

Total Hours 120

Notes: Of the 36 hours in English courses, at least 15 must be at the 400-level, and no more than 15

may be at the 200-level. English 499 may not count toward 400-level course requirements. Only courses in which the student receives a grade of C or better will be accepted for credit toward the English major. Students must pass a year's worth of a single foreign language. Students planning to attend graduate school in English or law school should take two years of a foreign language.

*Students who wish to pursue Professional Educator Licensure for Secondary English Language Arts should note that the requirements are different. Please see Dr. Jill Anderson in the Department of English as soon as possible to discuss your four-year program of study.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

English Major + Professional Educator Licensure

Students interested in earning Illinois Professional Educator Licensure (grades 9-12) must complete the English major (Bachelor of Arts) with a major concentration in Secondary English Language Arts (SELA), including SIUE's two-year Secondary Education program. Students are assisted by College of Arts and Sciences (CAS) advisors in the CAS Advising office and by School of Education, Health, and Human Services (SEHHB) advisors in SEHHB Student Services.

An overall GPA of 2.5 is required for admission to the Secondary Education program. In addition, English majors with a major concentration in Secondary English Language Arts must maintain a cumulative 3.0 GPA in English courses. GPAs will be calculated based on all courses taken at all institutions. No course with a grade of less than C will be applied to meet professional educator licensure requirements.

Students seeking an Illinois Professional Educator License (PEL) must meet specific general education and professional education requirements and must pass State of Illinois licensure tests. State requirements change, and the latest details about these requirements can be found in the School of Education, Health, and Human Behavior section of the undergraduate academic catalog and by making an appointment with the secondary education advisor in SEHHB Student Services. See the Department of English for additional information, including program guides and semester-specific course descriptions.

Sample Curriculum for Bachelor of Arts in English with Major Concentration in Secondary English Language Arts (Professional Educator Licensure, Grades 9-12)

Downloadable PDF (4-Year Sample Curriculum)

Year 1 Fall Semester

(3) ENG 101 English Composition I (FW1)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills (FSPC)
(3) RA 101 Reasoning and Argumentation (FRA)
(3) Breadth Physical Science (BPS) with Lab (EL)
(4) Foreign Language 101 (BICS, EREG)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 Spring Semester

(3) ENG 102 English Composition II (FW2)
(3) ENG 208 or ENG 209 British Survey (BHUM)
(3) QR 101 Quantitative Reasoning (FQR)
(3) Breadth Life Science (BLS)
(4) Foreign Language 102 (same language as 101)
(0) Health Experience (EH)
16 - Total Credits

Year 2 Fall Semester

(3) ENG 200 Introduction to Literary Study (HUM)
(3) ENG 205, ENG 211, or ENG 212 American Survey (BHUM)
(3) ENG 369 or ENG 400 Language (grammar or linguistics, HUM)
(3) THEA 111 or ENG 290 (recommended BFPA)

(3) ACS elective (ACS 461 prerequisite): ACS 200, ACS 201 (BSS), ACS 204, ACS 210 (BSS), ACS 304, ACS 305, ACS 311 (BSS), ACS 331 (BSS), ACS 421, ACS 426 (BSS), ACS 430, ACS 433, or ACS 434
15 - Total Credits

Year 2 Spring Semester

(3) ENG 301 Introduction to Literary Theory and Criticism (HUM)
(3) ENG 214 or ENG 215 World Survey (BHUM)
(3) ENG Rhetoric & Writing elective: ENG 332, ENG 333 (IS), ENG 334, ENG 410, ENG 412 (IS), ENG 488, ENG 490, or ENG 491
(3) ENG Literature elective (upper-level): ENG 306, ENG 309, ENG 310, ENG 315 (IS), ENG 340, ENG 341, ENG 342, ENG 343, ENG 344, ENG 345, ENG 404, ENG 420, ENG 446, ENG 457, ENG 463, ENG 464, ENG 473, ENG 477, ENG 478 (IS), ENG 479, ENG 480, or ENG 482
(3) Breadth Social Science (BSS)
(3) Interdisciplinary Studies (IS)
18 - Total Credits

SEHHB Secondary Education Program Admission - Program applications due at beginning of year 2 spring semester

Year 3 Fall Semester

(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication in Multiple Contexts
(3) IT 300 Digital Learning and Communication for Educators
(3) ENG 445 Young Adult Literature (HUM)
(3) ENG 485 Writing for English Teachers of English
16 - Total Credits

Year 3 Spring Semester

(1) CIED 303 Field Experience III
(3) CIED 311 Planning for Differentiated Instruction
(3) CIED 323 Adolescent Disciplinary Literacy
(3) SPE 400 The Exceptional Child
(3) ENG 307 or ENG 471 Shakespeare (BHUM)
(3) ACS 461 Strategies for Teaching Speech
16 - Total Credits

English Student Teacher Screening - Student teacher screening portfolios due at beginning of year 3 spring semester

Year 4 Fall Semester

(2) CIED 304 Field Experience IV
(3) CIED 313 Introduction to Educational Assessment
(3) CIED 314 Creating and Managing Effective Learning Environments
(3) ENG 475 Methods of Teaching Secondary English Language Arts
(3) ENG 497A English Senior Seminar
14 - Total Credits

Year 4 Spring Semester

(10) CIED 455F 9-12 Student Teaching Experience - English
(2) CIED 456 9-12 Senior Seminar in Professionalism and Ethics of Teaching
12 - Total Credits

Total Hours 124

See the Secondary Education advisor in SEHHB Student Services for assistance with the Secondary Education professional educator licensure program. The most up-to-date details about coursework and requirements for professional educator licensure can be found in the School of Education, Health, and Human Behavior section of this catalog.

See the English Education website for English Department contact information and for information about English Student Teacher Screening.

Additional Notes: All secondary education coursework (CIED) and English education courses (ENG 485/475) must be completed as sequenced, including CIED 302, CIED 310, CIED 312, ENG 485; CIED 303, CIED 311, CIED 323; CIED 304, CIED 313, CIED 314, ENG 475; and CIED 455F, CIED 456. All coursework must be complete before the full-time student teaching semester. Five 400-level English courses required. Students must

make one 400-level selection in Literature; Rhetoric & Writing; or Language. See the English Degree Requirements section of the undergraduate academic catalog for more information.

Environmental Sciences

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Environmental Sciences major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Environmental Sciences major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Environmental Sciences major in the College of Arts & Sciences.

Transfer

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for more information.

A student who plans to take one or more classes from another institution and apply that credit to an SIUE degree should obtain prior approval for the courses from his/her academic advisor to ensure the course is acceptable for program credit.

Sample Curriculum

SIUE students can choose to pursue the following accelerated combined tracks within the undergraduate environmental health specialization.

Environmental Health - Environmental Biology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(3) ENSC 450 Applied Ecology - **shared credit**
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences

(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Health - Environmental Chemistry and Toxicology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment - **shared credit**
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(3) ENSC 450 Applied Ecology
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Health - Environmental Technology and Assessment Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(2) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
15 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(3) ENSC 450 Applied Ecology - **shared credit**
(3) ENSC 400-level Elective - **shared credit**
(3) ENSC Elective
Recommended Grad Course (not dual credit - grad only):
(3) ENSC 573 GIS-Modeling the Natural Environment
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
18 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences

(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Health - Environmental Education Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment - **shared credit**
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(3) ENSC 450 Applied Ecology
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Health - Environmental Policy and Public Administration Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law - **shared credit**
(3) ENSC 431 Environmental Toxicology
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(3) ENSC 450 Applied Ecology - **shared credit**
(8) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 511 Environmental Policy
(3) ENSC 520 Environmental Sampling
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper

9-11 Total Credits

Please review the academic policy for program requirements and restrictions.

Sample Curriculum

SIUE students can choose to pursue the following accelerated combined tracks within the undergraduate environmental management specialization.

Environmental Management - Environmental Biology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 498 Senior Project
(3) GEOG 418 Geographic Information System
(4) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
19 Total Credits

Senior Year (Spring Semester)

(3) ENSC 401 Environmental Policy
(3) ENSC 435 Ecological Risk Assessment - **shared credit**
(3) ENSC 450 Applied Ecology - **shared credit**
(1) ENSC 490 Senior Assignment
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
16 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Management - Environmental Chemistry and Toxicology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 498 Senior Project
(3) ENSC Elective
(3) GEOG 418 Geographic Information System
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
18 Total Credits

Senior Year (Spring Semester)

(3) ENSC 401 Environmental Policy
(3) ENSC 435 Ecological Risk Assessment - **shared credit**
(3) ENSC 450 Applied Ecology - **shared credit**
(1) ENSC 490 Senior Assignment
(6) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 569 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
3 Total Credits

Graduate Year (Fall Semester)

(3) ENSC 525 Environmental Chemistry
(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
12 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Management - Environmental Technology and Assessment Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 498 Senior Project
(1) ENSC Elective
(3) GEOG 418 Geographic Information System
(3) ENSC 400-level Elective - **shared credit**
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
19 Total Credits

Senior Year (Spring Semester)

(3) ENSC 401 Environmental Policy
(3) ENSC 435 Ecological Risk Assessment
(3) ENSC 450 Applied Ecology - **shared credit**
(1) ENSC 490 Senior Assignment
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(3) ENSC 573 GIS-Modeling the Natural Environment
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
19 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ESNC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis paper
9-11 Total Credits

Environmental Management - Environmental Education Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 498 Senior Project
(1) ENSC Elective
(3) GEOG 418 Geographic Information System
(3) ENSC 400-level Elective - **shared credit**
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
19 Total Credits

Senior Year (Spring Semester)

(3) ENSC 401 Environmental Policy
(3) ENSC 435 Ecological Risk Assessment
(3) ENSC 450 Applied Ecology - **shared credit**
(1) ENSC 490 Senior Assignment
(5) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(3) ENSC Graduate Elective
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
19 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 540 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Management - Environmental Policy and Public Administration Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law - **shared credit**
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 498 Senior Project
(3) ENSC Elective
(3) GEOG 418 Geographic Information System
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
18 Total Credits

Senior Year (Spring Semester)

(3) ENSC 401 Environmental Policy
(3) ENSC 435 Ecological Risk Assessment
(3) ENSC 450 Applied Ecology - **shared credit**
(1) ENSC 490 Senior Assignment
(6) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 511 Environmental Policy
(3) ENSC 520 Environmental Sampling
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Please review the academic policy for program requirements and restrictions.

Sample Curriculum

SIUE students can choose to pursue the following accelerated combined tracks within the undergraduate environmental toxicology specialization.

Environmental Toxicology - Environmental Biology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(6) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
19 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment
(1) ENSC 490 Senior Assignment
(3) ENSC 450 Applied Ecology - **shared credit**
(6) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective

(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Toxicology - Environmental Chemistry and Toxicology Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(6) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
19 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment
(1) ENSC 490 Senior Assignment
(3) ENSC 400-level Elective - **shared credit**
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(3) ENSC Elective
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis or (3) ENSC Elective (non-thesis)
(3) ENSC Elective - optional for thesis
6-9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Toxicology - Environmental Technology and Assessment Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment
(1) ENSC 490 Senior Assignment
(3) ENSC 450 Applied Ecology - **shared credit**
(6) ENSC Electives
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis
(3) ENSC Elective - optional for thesis
6-9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3) ENSC 573 GIS-Modeling the Natural Environment
(2) ENSC Elective - option for thesis
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Toxicology - Environmental Education Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law
(3) ENSC 431 Environmental Toxicology - **shared credit**
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment
(1) ENSC 490 Senior Assignment
(3) ENSC 450 Applied Ecology - **shared credit**
(6) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 468 Pollution Ecology
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis
(3) ENSC Elective - optional for thesis
6-9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3-5) ENSC Electives
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Environmental Toxicology - Environmental Policy and Public Administration Track

Senior Year (Fall Semester)

(3) ENSC 402 Environmental Law - **shared credit**
(3) ENSC 431 Environmental Toxicology
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective
Recommended Grad Courses (not dual credit - grad only):
(2) ENSC 505 Environmental Sciences Seminar I
(3) ENSC 510 Advanced Environmental Sciences
16 Total Credits

Senior Year (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(3) ENSC 435 Ecological Risk Assessment - **shared credit**
(1) ENSC 490 Senior Assignment
(9) ENSC Electives
Recommended Grad Course (not dual credit - grad only):
(1) ENSC 597 Non-thesis Paper or (1) ENSC 599 Thesis
17 Total Credits

Graduate Year (Summer Term)

(3) ENSC 520 Environmental Sampling
(3) ENSC 511 Environmental Policy
6 Total Credits

Graduate Year (Fall Semester)

(3) ENSC Elective
(3) ENSC 599 Thesis
(3) ENSC Elective - optional for thesis
6-9 Total Credits

Graduate Year (Spring Semester)

(1) ENSC 506 Environmental Sciences Seminar II
(3) ENSC 575 Statistics for Environmental Sciences
(3) ENSC 450 Applied Ecology - **shared credit**

(2) ENSC Electives - optional for thesis
(2) ENSC 599 Thesis or (2) ENSC 597 Non-thesis Paper
9-11 Total Credits

Please review the academic policy for program requirements and restrictions.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years. Students must be enrolled in the SIUE undergraduate program and accepted into the corresponding graduate program before earning shared credit.

- **BA or BS in Environmental Sciences**
- **MS in Environmental Sciences**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in environmental sciences
- Maintain a minimum 3.0 cumulative undergraduate GPA
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission and application materials, including:
   - A statement of purpose detailing academic and professional goals

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in environmental sciences requires that students complete six credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA or BS in environmental sciences and the MS in environmental sciences.

The thesis option requires a minimum of 33 credit hours while the non-thesis option requires 38 credit hours, including electives and non-thesis research paper. Students work closely with a faculty advisor to plan a course of study based on their undergraduate specialization and selection of the following graduate tracks:

- Undergraduate Environmental Health Specialization
  - Environmental Biology Track
  - Environmental Chemistry and Toxicology Track
  - Environmental Technology and Assessment Track
  - Environmental Education Track
  - Environmental Policy and Public Administration Track
- Undergraduate Environmental Management Specialization
  - Environmental Biology Track
  - Environmental Chemistry and Toxicology Track
  - Environmental Technology and Assessment Track
  - Environmental Education Track
  - Environmental Policy and Public Administration Track
- Undergraduate Environmental Toxicology Specialization
  - Environmental Biology Track
  - Environmental Chemistry and Toxicology Track
  - Environmental Technology and Assessment Track
  - Environmental Education Track
  - Environmental Policy and Public Administration Track

Degree Requirements

General Education Requirements for the Major

University general education requirements are outlined in the General Education section of the undergraduate academic catalog and included in the sample curriculum outline. While fulfilling University general education requirements all environmental sciences majors are required to complete the following:

Bachelor of Science or Bachelor of Arts in Environmental Sciences

All Environmental Sciences majors need to select their specializations (Environmental Health, Environmental Management, or Environmental Toxicology) early in their academic careers to ensure orderly progress towards meeting degree requirements**.**

Specialization in Environmental Health

- ECON 111
- ENSC 125, 220, 220L, 325, 330, 402, 431, 431L, 436, 490, 497, 498
- ENSC 491 or ENSC 499

Plus three from the following:

- ENSC 326, 401, 437, 473, 475, 477

Biology (complete one of two options):

- BIOL 150, 151, 220, and BIOL 319 or BIOL 350 or
- BIOL 140 or 150, 240A, 240B, and 250

Chemistry (complete one of two options):

- CHEM 121A, 121B, 125A, 125B, 241A, 241B, 245 or
- CHEM 120A, 120B, 124A, 124B, 241A, 241B, 245

Interdisciplinary Studies (Choose one):

- IS 334, 336, 363, 375, 399

Mathematics

- MATH 145 or MATH 150
- MATH 152 (recommended, but not required)

Physics

- PHYS 131, 131L, 132, 132L or PHYS 151, 151L, 152, 152L

Statistics

- STAT 244 or 380

Bachelor of Science or Bachelor of Arts in Environmental Sciences

Specialization in Environmental Toxicology

- ECON 111
- ENSC 125, 220, 220L, 325, 326, 330, 402, 431, 431L, 436, 490, 498, 499

Plus two from the following:

- ENSC 432, 434, 435, 437, 473, 475

Biology:

- BIOL 150, 151, 220
- BIOL 240A or BIOL 340 or BIOL 350

Chemistry:

- CHEM 121A, 121B, 125A, 125B; or CHEM 120A, 120B, 124A, 124B
- CHEM 241A, 241B, 245

Interdisciplinary Studies (Choose one):

- IS 334, 336, 363, 375, 399

Mathematics

- MATH 145 or MATH 150
- MATH 152 (recommended, but not required)

Physics

- PHYS 131, 131L, 132, 132L or PHYS 151, 151L, 152, 152L

Statistics

- STAT 244 or 380

Bachelor of Science or Bachelor of Arts in

Environmental Sciences

Specialization in Environmental Management

- ENSC 125, 220, 220L, 325, 330, 340, 490, 498
- ENSC 401 or 402
- ENSC 435 or ENSC 436 or BIOL 468
- ENSC 440 or ENSC 450 or BIOL 464

At least two additional 400-level ENSC electives (minimum 3 credits each)

Biology:
- BIOL 150 & 151 OR
- BIOL 140 and (BIOL 205 or BIOL 250)

Chemistry:

- CHEM 121A & 125A or CHEM 120A & 124A or CHEM 131 & 135
- CHEM 121B & 125B or CHEM 120B & 124B

Geography:

- GEOG 210
- GEOG 418

Interdisciplinary Studies (Choose one):

- IS 334, 336, 363, 375, 399

Mathematics

- MATH 145 or MATH 150

Physics

- PHYS 111 or 115 or 120 or (PHYS 131 & 131L)

Statistics

- STAT 107 or 244

Academic Standards/Retention

Students should show satisfactory academic progress to be retained in a degree program. Students may be dropped from the environmental sciences major for any of the following reasons:

- GPA of 1.0 or below in any term
- Cumulative GPA of lower than 2.0 in the major at any time
- Any combination of withdrawal, incomplete, and failing grades in 50% or more of the courses for which the student is registered during two successive terms
- Any combination of three withdrawal, incomplete, or failing grades in any single required course in environmental sciences

For readmission, students must meet the same admission requirements as students entering the program for the first time.

Degrees Available at SIUE

- Bachelor of Arts in Environmental Sciences
- Bachelor of Science in Environmental Sciences

Specialization required in one of the following:

  - Environmental Health
  - Environmental Management
  - Environmental Toxicology

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

In order to earn a Bachelor of Science or Bachelor of Arts in environmental sciences the following conditions must be met:

- Earn a minimum of 120 hours of acceptable credit with a cumulative GPA of 2.0 or higher
- Complete the minimum number of credit hours required for the particular specialization
- Complete at least 12 hours of SIUE credit in major courses numbered above 299 with a cumulative GPA of 2.0 or higher
- Earn a C or better in all required major courses
- Earn a cumulative GPA of 2.0 or higher in major courses
- Complete at least six hours of credit in major courses numbered above 299 within two years preceding graduation
- No more than eight semesters of hours of D grades in any combination of courses may be counted toward a major in environmental sciences.

Minor in Environmental Sciences

The environmental sciences program offers an undergraduate minor in environmental sciences. The undergraduate minor will increase students' technical competence in addressing and analyzing environmental issues, their origins, ramifications and resolutions. The environmental sciences program at SIUE is designed to enhance and promote multidisciplinary education while providing students with career opportunities in a wide area of interests.

Faculty from several departments in the College of Arts and Sciences provide mentoring, direction and instruction. Practicing professionals also lend their expertise to the program. A close relationship is maintained with industries and environmental agencies so that students and faculty members can incorporate real-world issues into their studies.

Students must apply for and be accepted into the minor program in environmental sciences. The minimum requirement for admission is a cumulative GPA of 2.0.

Minor Requirements

To satisfy the minor requirements, students must take and complete the following 19 units of courses while maintaining a minimum cumulative GPA of 2.0:

- ENSC 125 – Topics of Environmental Health and Toxicology (spring)
- ENSC 210 – Applied Research Methods (spring)
- ENSC 220 – Principles of Environmental Sciences (fall/spring)
- ENSC 220L - Principles of Environmental Sciences Lab (fall/spring)
- ENSC 330 – Environmental Health and Waste Management (spring)
- ENSC 340 – Ecosystem Management and Sustainability (fall)
- ENSC 402 – Environmental Law (fall)

Sample Curriculum for the Bachelor of Science in Environmental Sciences, Specialization in Environmental Health

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry (BPS)
(1) **CHEM 125A** General Chemistry Lab (EL)
(3) ENG 101 English Composition I (FW1)
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills or ACS 101 Public Speaking (FSPC)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121B** General Chemistry (BPS)
(1) **CHEM 125B** General Chemistry Lab
(3) ENG 102 English Composition II (FW2)
(3) RA 101 Reasoning & Argumentation (FRA)
15 - Total Credits

Year 2 (Fall Semester)

(4) **BIOL 151** Biology II (BLS)
(3) **CHEM 241A** Organic Chemistry
(3) ENSC 125 Topics of Environmental Health & Toxicology
(3) Breadth Humanities (BHUM)
(3) **ECON 111** Principles of Macroeconomics (BSS)
16 - Total Credits

Year 2 (Spring Semester)

(4) BIOL 220 Genetics
(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(4) **STAT 244** Statistics (BICS)
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Fall Semester)

(4) BIOL 350 Microbiology (recommended) or BIOL 319 Cell and Molecular Biology
(3) **ENSC 220** Principles of Environmental Sciences
(1) **ENSC 220L** Principles of Environmental Sciences Lab
(1) Experiences Health (EH)

(4) **PHYS 131** College Physics I (BPS)
(1) **PHYS 131L** College Physics I Lab
14 - Total Credits

Year 3 (Spring Semester)

(3) ENSC 325 Toxicants in the Environment
(3) ENSC 330 Environmental Health & Waste Management
(1) ENSC 499 Research in Environmental Sciences
(3) IS 322, IS 334, IS 336, IS 363, IS 375, or IS 399 (IS)
(4) **PHYS 132** College Physics II (BPS)
(1) **PHYS 132L** College Physics II Lab
15 - Total Credits

Year 4 (Fall Semester)

(3) ENSC 402 Environmental Law (POLS 497)
(3) ENSC 431 Environmental Toxicology
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) ENSC Elective Course (ENSC 326, ENSC 401, ENSC 437, ENSC 473, ENSC 475, ENSC 477)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
14 - Total Credits

Year 4 (Spring Semester)

(3) ENSC 436 Environmental Epidemiology
(1) ENSC 490 Senior Assignment
(1) ENSC 497 Environmental Health Practicum
(6) ENSC Elective Courses (ENSC 326, ENSC 401, ENSC 437, ENSC 473, ENSC 475, ENSC 477)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Environmental Sciences, Specialization in Environmental Management

Year 1 (Fall Semester)

(3-4) **CHEM 121A** or CHEM 120A or CHEM 131 Chemistry I (BPS)
(1) **CHEM 125A** or CHEM 124A or CHEM 135 Chemistry I Lab (EL)
(3) ENG 101 English Composition I (FW1)
(5) **MATH 145/MATH 150** Calculus I or Calculus for Life Sciences (FQR)
(3) ACS 103 Interpersonal Communication Skills
or ACS 101 Public Speaking (FSPC)
(1) FST 101 Succeeding & Engaging at SIUE
16-17 - Total Credits

Year 1 (Spring Semester)

(3-4) **BIOL 150** Biology I or BIOL 140 Human Biology (BLS)
(3-4) **CHEM 121B** or CHEM 120B Chemistry II (BPS)
(1) **CHEM 125B** or CHEM 124B Chemistry II Lab (EL)
(3) ENG 102 English Composition II (FW2)
(3) RA 101 Reasoning & Argumentation (FRA)
13-15 - Total Credits

Year 2 (Fall Semester)

(3-4) **BIOL 151** Biology II or BIOL 205 or BIOL 250 (BLS)
(3) ENSC 125 Topics of Environmental Health & Toxicology
(3) Breadth Humanities (BHUM)
(3) Breadth Social Science (BSS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15-16 - Total Credits

Year 2 (Spring Semester)

(3) GEOG 210 Physical Geography
(3-4) **STAT 244** Statistics or STAT 107 Concepts of Statistics (BICS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
(3) Elective
15-16 - Total Credits

Year 3 (Fall Semester)

(3) **ENSC 220** Principles of Environmental Sciences
(1) **ENSC 220L** Principles of Environmental Sciences Lab
(3-5) **PHYS 131** College Physics I/**PHYS 131L** College Physics I Lab or PHYS 111 or PHYS 115 or PHYS 120
(3) Breadth Fine & Performing Arts (BFPA)
(2) Elective
12-14 - Total Credits

Year 3 (Spring Semester)

(3) ENSC Elective (ENSC 435, ENSC 436, or BIOL 468)
(3) ENSC 325 Toxicants in the Environment
(3) ENSC 330 Environmental Health & Waste Management
(3) Elective
(2) Elective
14 - Total Credits

Year 4 (Fall Semester)

(3) ENSC 340 Ecosystem Management and Sustainability
(3) ENSC 401 Environmental Policy or ENSC 402 Environmental Law (POLS 497)
(1) ENSC 498 Senior Project
(3) GEOG 418 Geographic Information Systems
(3) ENSC 400-level Elective
(3) IS 334, IS 336, IS 363, IS 375, or IS 399 (IS)
16 - Total Credits

Year 4 (Spring Semester)

(1) ENSC 490 Senior Assignment
(3) ENSC Elective (ENSC 440, ENSC 450, or BIOL 464)
(3) ENSC 400-level Elective
(2) Experiences-Health (EH)
(3) Elective
(7) Elective, if needed
12-19 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Environmental Sciences, Specialization in Environmental Toxicology

Year 1 (Fall Semester)

(4) **CHEM 121A** General Chemistry (BPS)
(1) **CHEM 125A** General Chemistry Lab (EL)
(3) ENG 101 English Composition I (FW1)
(5) **MATH 150** Calculus I (FQR)
(3) ACS 103 Interpersonal Communication Skills or ACS 101 Public Speaking (FSPC)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **BIOL 150** Biology I (BLS, EL)
(4) **CHEM 121B** General Chemistry (BPS)
(1) **CHEM 125B** General Chemistry Lab
(3) ENG 102 English Composition II (FW2)
(3) RA 101 Reasoning & Argumentation (FRA)
15 - Total Credits

Year 2 (Fall Semester)

(4) **BIOL 151** Biology II (BLS)
(3) **CHEM 241A** Organic Chemistry
(3) ENSC 125 Topics of Environmental Health & Toxicology
(3) Breadth Humanities (BHUM)
(3) **ECON 111** Principles of Macroeconomics (BSS)
16 - Total Credits

Year 2 (Spring Semester)

(4) BIOL 220 Genetics
(3) **CHEM 241B** Organic Chemistry (BPS)
(2) **CHEM 245** Organic Chemistry Lab
(4) **STAT 244** Statistics (BICS)
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Fall Semester)

(4) BIOL 350 Microbiology (recommended) or BIOL 340 or BIOL 240A
(3) **ENSC 220** Principles of Environmental Sciences
(1) **ENSC 220L** Principles of Environmental Sciences Lab
(4) **PHYS 131** College Physics I (BPS)
(1) **PHYS 131L** College Physics I Lab
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 3 (Spring Semester)

(3) ENSC 325 Toxicants in the Environment
(3) ENSC 330 Environmental Health & Waste Management
(1) ENSC 499 Research in Environmental Sciences
(3) IS 334, IS 336, IS 363, IS 375, or IS 399 (IS)
(4) **PHYS 132** College Physics II
(1) **PHYS 132L** College Physics II Lab
15 - Total Credits

Year 4 (Fall Semester)

(3) ENSC 326 Toxicants in the Environment
(3) ENSC 402 Environmental Law (POLS 497)
(3) ENSC 431 Environmental Toxicology
(1) ENSC 431L Environmental Toxicology Lab
(1) ENSC 498 Senior Project
(3) Experience Global Cultures, Race, and Equity Education (EREG)
14 - Total Credits

Year 4 (Spring Semester)

(3) ENSC Elective Course (ENSC 432, ENSC 434, ENSC 435, ENSC 437, ENSC 473, ENSC 475)
(3) ENSC 436 Environmental Epidemiology
(1) ENSC 490 Senior Assignment
(3) ENSC Elective Course (ENSC 432, ENSC 434, ENSC 435, ENSC 437, ENSC 473, ENSC 475)
(2) Experiences-Health
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact. Visit the transfer credit website to find course equivalency guides.

Exercise Science

Admission Requirements

Direct Admission for High School Students

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Exercise Science major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior.

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW +M OR 19 ACT
- Rank in top 10% High School Graduating Class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Exercise Science major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Exercise Science major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior.

Transfer credit for courses will be evaluated by the Registrar.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BS in Exercise Science**
- **MS in Exercise Physiology**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in exercise science
- Maintain a minimum 3.0 cumulative undergraduate GPA
- Earn an A or B in KIN 350 Exercise Physiology
- Be within 32 hour credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply for the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu if you have questions about the application process.

Sample Curriculum

The accelerated master's in exercise physiology requires that students complete six-nine credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in exercise science and the MS in exercise physiology.

Senior Year (Fall Semester)

(3) KIN 412 Biology of Cardiovascular and Metabolic Disease
(3) KIN 416 Exercise Assessment/Programming
(3) KIN 512 Advanced Exercise Physiology - **shared credit**
(3) KIN 541 Advanced Human Nutrition and Metabolism - **shared credit**

(3) Life, Physical or Social Science (*)
15 Total Credits

Senior Year (Spring Semester)

(3) KIN 426 Cardiac Pulmonary Rehabilitation
(3) KIN 460 Internship in Exercise Science
(3) KIN 464 Senior Assignment in Exercise Science
(3) KIN 514 Advanced Exercise Assessment and Prescription - **shared credit**
(3) Breadth Info & Communication in Society (BICS; STAT 107 or ACS 204 recommended)
15 Total Credits

Graduate Year

Choose between thesis (KIN 599) option requiring 30 credit hours or non-thesis option requiring 30 credit hours including internship and national certification exam.

Required Core Courses

18 credit hours, assuming 9 hours listed above (512, 541, 514) completed during senior year

- (3) KIN 501 Exercise Psychology
- (3) KIN 509 Research Methods in Kinesiology
- (3) KIN 516 Advanced Cardiovascular and Respiratory Physiology
- (3) KIN 517 Pathophysiology and Treatment of Obesity
- (3) KIN 518 Exercise Endocrinology
- (3) KIN 511 Advanced Concepts in Strength and Conditioning OR KIN 513 Clinical Exercise Physiology (choose one)

Capstone Experience

Students must complete one of two options (3 credit hours).

- **Non-Thesis Option:** KIN 555 Internship in Exercise Physiology (3) and a national certification exam
  OR
- **Thesis Option:** KIN 599 Thesis (3)

Course Sequence

Students in the accelerated non-thesis option are able to begin in the fall, spring or summer and can complete all degree requirements in 12, 18 or 24 months. Students in the thesis option typically require two academic years to complete the thesis project and curriculum.

Non-Thesis Option

The non-thesis option is for students who are not interested in pursuing a doctorate. Through classroom learning, laboratory experience and true hands-on experience, the non-thesis exercise physiology program produces exceptional graduates who are well prepared for the professional work environment. The option provides coursework and laboratory experience that prepares students for careers in adult fitness, hospital or corporate-based wellness programs, cardiac rehabilitation, strength and conditioning specialists, or professional careers (e.g., physical therapy, occupation therapy, dentistry, pharmacy, etc.).

Thesis Option

The thesis option is intended to give exceptional students knowledge in basic medical and scientific areas to prepare them to pursue a doctoral degree in exercise physiology. It should be pursued only by students who have a serious commitment to the science of exercise physiology. Students focus on the study of the human body's responses and adaptations to physical activity. Students in the thesis option will typically take two academic years to complete the coursework and research thesis. The student and faculty advisor will match thesis and coursework with the goals of the students to provide an exceptional learning experience.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Foundations Courses

- ENG 101, 102
- QR 101
- RA 101
- ACS 101 or ACS 103

Breadth Areas

- Fine & Performing Arts (BFPA) - Any BFPA course
- Humanities (BHUM) - Any BHUM course (PHIL 321 recommended)
- Information & Communication in Society (BICS)
- Life Science (BLS) - BIOL 140 or 150 (C or better)
- Physical Science (BPS) - CHEM 120A/124A or

CHEM 121A/125A (C or better)
- Social Science (BSS) - Any BSS course (PSYC 111 is recommended)

Experiences
- Lab (EL) - CHEM 124A/125A
- Health (EH) - BIOL 240B
- Global Cultures, Race, and Equity Education (EREG)
- U.S. Race, Gender, and Equity (ERGU)
- Interdisciplinary Studies Course
- FST 101 Succeeding & Engaging at SIUE

Major Requirements
- KIN 275, 310, 315, 316, 319, 340, 350, 412, 416, 417, 426, 460, 464
- BIOL 240A, 240B

Approved Major Electives (18 hours)
- BIOL 151, 220, 250
- CHEM 120B/124B
- CHEM 121B/125B
- CHEM 241A
- CHEM 241B/245
- CHEM 451
- KIN 211, 270, 308, 321, 355, 373, 401, 418, 460, 490
- MATH 150
- NURS 234
- NUTR 250, 355
- PBHE 111, 230, 240
- PHIL 320, 321
- PHYS 131, 132
- PSYC 201, 204, 205, 303, 431
- SOC 111
- STAT 107, 244

Approved major electives from appropriate disciplines approved by the advisor.

Senior Assignment and Clinical Internship

Students are required to complete a community-based senior assignment project. The exercise science senior assignment challenges students to apply their formal course training to a meaningful and impactful project with a community partner. In addition, all exercise science students must complete a 200-hour internship in a community-based allied health setting. The internship provides students with their first professional experiences. Exercise science students have completed their internships in physical and occupational therapy organizations, hospital and medical centers, research centers, strength and conditioning organizations, and a wide range of health-focused businesses.

Major Electives

Exercise science students may tailor their elective courses to meet their career and graduate school goals. The exercise science program has established pre-professional and graduate school elective suggestions that are commonly required for admission into a wide range of allied health programs. Exercise science students may choose elective groups in pre-physical therapy, pre-occupational therapy, pre-medical school, exercise physiology, and health and corporate wellness.

Retention

To be retained in the Exercise Science program, students must:

- Earn a C or better in Biology 140 or Biology 150 or its equivalent
- Earn a C or better in Chemistry 120A and Chemistry 124A or Chemistry 121A and Chemistry 125A or their equivalents
- Earn a B or better in KIN 275, Introduction to Careers in Nutritional and Exercise Sciences
- Maintain a cumulative GPA of 2.75 or higher

Students in the Exercise Science program who are advised in School of Education, Health and Human Behavior Student Services must maintain a 2.75 GPA. Students that fall below a 2.75 GPA will be first placed on programmatic warning for a semester to increase their GPA. Students will be allowed only one programmatic warning during their academic career. Following the programmatic warning, students that continue to fall below the required 2.75 GPA will be placed on departmental probation for one year. Students not regaining the required 2.75 GPA following this period will be dropped from the program and withdrawn from all Exercise Science (KIN) courses. Students may reapply to the Exercise Science major once their GPA has reached 2.75. Students may only be on departmental probation once during their academic career and if a

student's GPA falls below the required 2.75, they will not be allowed to reapply to the Exercise Science program.

Degrees Available at SIUE

- Bachelor of Science, Exercise Science

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.75
- File an Application for Graduation by the date listed during the term in which you plan to graduate
- Visit the Commencement website for more information

Exercise and Sport Psychology Minor

The Department of Exercise, Sport, and Nutrition Sciences offers a minor in exercise and sport psychology, which may be selected by majors in any field. The minor consists of 18 semester hours.

Required Courses (12 hours)

- KIN 308 – Human Development Across the Lifespan
- KIN 310 - Exercise Psychology
- KIN 373 - Sport Psychology
- KIN 401 - Sport Medicine and Rehabilitation
  or SOC 356 - Sport Sociology

Six hours from the following list:

- KIN 355 - Sports Nutrition and Supplementation
- KIN 417 - Exercise for Special Populations
- PBHE 213 - Violence and Injury Prevention
- PBHE 220 - Drug Use and Abuse
- PBHE 230 - Emotional Health and Stress Management
- PBHE 405 - Health Counseling
- PBHE 462 - Special Topics in Health Education - Aging

Applicants to the exercise and sport psychology minor must have a minimum cumulative GPA of 2.5 or higher required for admissions, retention and graduation with the minor.

Graduation Requirements: Obtain a grade of C or higher in all minor classes. If dismissed from the minor, a student can reapply to the minor once they have met the standards above.

Exercise Science Minor

The Department of Exercise, Sport, and Nutrition Sciences offers a minor in exercise science which may be selected by majors in any field. The minor consists of 18 semester hours.

Required Courses (9 hours)

- KIN 315: Functional Anatomy
- KIN 350: Exercise Physiology
- KIN 416: Exercise Assessment

Elective Courses (9 hours):

- KIN 316: Biomechanics
- KIN 319: Strength and Conditioning
- KIN 321: Introduction to Musculoskeletal Injury and Rehabilitation
- KIN 355: Sports Nutrition and Supplementation
- KIN 412: Biology of Cardiovascular Disease
- KIN 417: Exercise Assessment for Special Populations
- KIN 426: Cardiac and Pulmonary Rehabilitation

Students wishing to complete a minor in exercise science must take a minimum of 18 hours of exercise science (KIN) courses with a GPA of 2.00 or higher in all exercise science courses attempted at SIUE. Due to the sequencing of courses, students are advised that it will normally take at least two years to complete the minor.

Graduation Requirements: Obtain a C or higher in all minor classes. If dismissed from the minor, a student can reapply to the minor once they have met the

standards above.

Sample Curriculum for the Bachelor of Science in Exercise Science

Year 1 (Fall Semester)

(3-4) **CHEM 120A/CHEM 121A** (BPS*)
(1) **CHEM 124A/CHEM 125A** (*EL)
(3) ENG 101 English Composition I
(3) Breadth Social Science (*BSS; PSYC 111 recom)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
14-15 - Total Credits

Year 1 (Spring Semester)

(3) **KIN 275** Introduction to Careers in Nutritional & Exercise Sciences
(3-4) **BIOL 140/BIOL 150** (BLS*)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) ENG 102 English Composition II
(3) Breadth Info & Communication in Society (BICS; STAT 107 recom)
15-16 - Total Credits

Year 2 (Fall Semester)

(4) **BIOL 240A** Human Anatomy (BLS*, EL)
(3) RA 101 Reasoning and Argumentation
(3) KIN 310 Exercise Psychology
(3) Breadth Fine & Performing Arts (BFPA)
(3) Life, Physical or Social Science
16 - Total Credits

Year 2 (Spring Semester)

(3) KIN Elective
(3) KIN Elective
(4) **BIOL 240B** Human Anatomy & Physiology (BLS*, EL, EH)
(3) Breadth Humanities (BHUM)
(3) QR 101 Quantitative Reasoning
16 - Total Credits

Year 3 (Fall Semester)

(3) KIN 350 Exercise Physiology
(3) KIN 315 Functional Anatomy
(3) KIN Elective
(3) KIN Elective
(3) Life, Physical or Social Science*
15 - Total Credits

Year 3 (Spring Semester)

(3) KIN 417 Exercise for Special Populations
(3) KIN 316 Biomechanics of Human Movement
(3) KIN 340 Organization of Exercise Facilities
(3) IS Course
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 4 (Fall Semester)

(3) KIN 412 Biology of Cardiovascular and Metabolic Disease
(3) KIN 416 Exercise Assessment/Programming
(3) KIN 319 Theory of Strength Training & Conditioning
(3) KIN Elective
(3) Life, Physical or Social Science (*)
15 - Total Credits

Year 4 (Spring Semester)

(3) KIN Elective
(3) KIN 426 Cardiac Pulmonary Rehabilitation
(3) KIN 460 Internship in Exercise Science
(3) KIN 464 Senior Assignment in Exercise Science
(3) Elective
15 - Total Credits

Total Hours 120

Notes: The University requires students earning a Bachelor of Science (BS) to complete at least eight courses in the sciences (life, physical or social) (*), including, as part of those eight courses, two courses designated as labs (EL).

Transfer Students: To maximize your transfer

experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Foreign Languages And Literature

Admission Requirements

Students are encouraged to consult with the Department of Foreign Languages and Literature. Pre-registration advisement with a FLL faculty mentor is required.

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Foreign Languages and Literature major in College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Foreign Languages and Literature major in College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Foreign Languages and Literature major in College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet.

For more information about transferring to SIUE, please visit the transfer website.

Degree Requirements

French and German Majors

- FL 111A,B
- FR/GER 201
- FR/GER 202
- FR/GER 301
- FR/GER 351
- FR/GER 352
- FR/GER 400A,B
- 300-400 level elective courses (12 hours)

Spanish Major

- SPAN 201, 202, 301 or 303, 400
- 300-400 level elective courses (18 hours)
- 400-level elective (3 hours, excluding 491, 492 or 400)

Advanced electives will normally include at least two courses in culture, two in literature and one 400-level elective. SPAN 400 is usually taken during the last semester of major coursework.

Spanish, French, German Professional Educator Licensure (K-12) Program

Students seeking teacher licensure (K-12) will complete the following in addition to major requirements:

- ENG 468 Second Language Acquisition
- FL 486 Methods for Teaching Foreign Languages K-12
- SPAN 308 Spanish Linguistics (for Spanish majors only)
- Professional Education Courses (see Sample Curriculum)
- Illinois State Licensure Requirements

In addition, all foreign language students seeking teaching licensure must take the SOPI (Simulated Oral Proficiency Interview) and the OPI (Oral Proficiency Interview) as required by NCATE/ACTFL and obtain a minimum proficiency level of “Advanced Low” in order to be approved to student teach.

Proficiency and Placement

All incoming students with one year or more of high school study in French, German, and Spanish are encouraged to take a proficiency test prior to enrolling in any course in that language at SIUE. There is no charge for the test, and no appointment is needed. Students may earn up to 16 hours of proficiency credit in accordance with University and departmental policies. These credits can give you a head start on a major or minor in a world language by starting at a more advanced level, assist you in a double major, or help you complete your major or minor early. Please visit the Foreign Languages Training Center (FLTC) for your proficiency test during regular business hours in PH2312.

State Seal of Biliteracy Credit

Southern Illinois University Edwardsville accepts the State Seal of Biliteracy as equivalent to 101-202 in language courses offered at the University, namely 16 credit hours. When the seal is granted in a language not offered at SIUE, 16 credit hours in a lower division foreign language course (FL 101-202) will be awarded. In all cases, students must request course credit for their seal within three academic years after graduating from high school. To request course credit for the State Seal of Biliteracy, please contact the Transfer Center.

College Level Examination Program (CLEP) Credit

Southern Illinois University Edwardsville accepts CLEP credit in French, German, and Spanish. To request course credit for CLEP, please contact the Transfer Center.

Retention

Students must maintain a cumulative GPA of at least 2.0 to remain in the major.

General Education Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline.

Degrees Available at SIUE

- Bachelor of Arts or Bachelor of Science, Foreign Language & Literature (specialization required in one of the following)
  - French
  - German
  - Spanish
- Professional Educator Licensure (K-12) program in French, German or Spanish

Graduation Requirements

For majors and minors in the Department of Foreign Languages and Literature, credit is allowed for only those courses in which grades of C or better are earned. A “B” (3.0) average in the major is required for teacher licensure (K-12).

Minor Requirements

A minor in French, German, or Spanish consists of the following courses (21 hours):

- French and German Minors FL 111A, B,**; 201**; 202**; 301. Plus six hours of electives at the 300-400 level.
- Spanish Minors 201**; 202**; 301 or 303. Plus nine hours of electives at the 300-400 level; one of these electives must be 311 or 312.

Focus Requirements

A focus in Chinese consists of the following five required course and one elective (22 hours): 101**, 102**, 201, 202, FL 111D**, plus three hours of electives at the 300-400 level.
**Satisfies requirements for general education.

A focus in French, German, or Spanish consists of the following three required courses and one elective (15): 201, 202, 301 plus three hours of electives at the 300-400 level.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, French

Year 1 (Fall Semester)

(4) **FR 101** Elementary French I (BICS, EREG)
(3) ENG 101 English Composition I

(3) FL 111A or FL 111E Intro to Foreign Studies (BHUM)
(3) Breadth Fine & Performing Arts (BFPA)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **FR 102** Elementary French II
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101 Quantitative Reasoning
(3) Breadth Social Science (BSS)
16 - Total Credits

Year 2 (Fall Semester)

(4) **FR 201** Intermediate French I (HUM)
(3) Breadth Life Science (BLS)
(3) Elective
(3) Health Experience (EH)
(3) Lab Experience (EL)
16 - Total Credits

Year 2 (Spring Semester)

(4) **FR 202** Intermediate French II (HUM)
(3) Breadth Physical Science (BPS)
(3) Elective
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(4) FR 301 Advanced French (HUM)
(3) FR 351 Survey of French Literature (BHUM)
(3) Interdisciplinary Studies (IS)
(3) Elective
13 - Total Credits

Year 3 (Spring Semester)

(3) FR 352 Survey of French Literature
(3) French Elective (300-400 level)
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(2) FR 400A Senior Essay
(3) French Elective (300-400 level)
(3) French Elective (300-400 level)
(3) Elective
(2) Elective
13 - Total Credits

Year 4 (Spring Semester)

(2) FR 400B Senior Essay
(3) French Elective (300-400 level)
(3) Elective
(3) Elective
(3) Elective
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, German

Year 1 (Fall Semester)

(4) **GER 101** Elementary German I (BICS, EREG)
(3) ENG 101 English Composition I
(3) FL 111B Intro to Foreign Studies (BHUM)
(3) Breadth Fine & Performing Arts (BFPA)
(3) ACS 101 Public Speaking or ACS 103

Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **GER 102** Elementary German II
(3) ENG 102 English Composition II
(3) QR 101 Quantitative Reasoning
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Health Experience (EH)
16 - Total Credits

Year 2 (Fall Semester)

(4) **GER 201** Intermediate German I (HUM)
(3) Breadth Life Science (BLS)
(3) Breadth Social Science (BSS)
(3) Lab Experience (EL)
(3) RA 101 Reasoning & Argumentation
16 - Total Credits

Year 2 (Spring Semester)

(4) **GER 202** Intermediate German II (HUM)
(3) Breadth Physical Science (BPS)
(3) Elective
(3) Elective
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(4) GER 301 Advanced German (HUM)
(3) GER 351 Survey of German Literature (BHUM)
(3) Interdisciplinary Studies (IS)
(3) Elective
13 - Total Credits

Year 3 (Spring Semester)

(3) GER 352 Survey of German Literature
(3) German Elective (300-400 level)
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(2) GER 400A Senior Essay
(3) German Elective (300-400 level)
(3) Elective
(3) Elective
(3) Elective
14 - Total Credits

Year 4 (Spring Semester)

(2) GER 400B Senior Essay
(3) German Elective (300-400 level)
(3) German Elective (300-400 level)
(3) Elective
(2) Elective
13 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, Spanish

Year 1 (Fall Semester)

(4) **SPAN 101** Elementary Spanish I (BICS, EREG)
(3) ENG 101 English Composition I
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **SPAN 102** Elementary Spanish II
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101 Quantitative Reasoning
(3) Breadth Physical Science (BPS)
16 - Total Credits

Year 2 (Fall Semester)

(4) **SPAN 201** Intermediate Spanish I (HUM)
(3) Breadth Life Science (BLS)
(3) Breadth Social Science (BSS)
(3) Lab Experience (EL)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 2 (Spring Semester)

(4) **SPAN 202** Intermediate Spanish II (HUM)
(3) Health Experience (EH)
(3) Elective
(3) Elective
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(3-4) SPAN 301 Advanced Spanish or SPAN 303 Academic Spanish (HUM)
(3) Spanish Elective (300-400 level)
(3) Interdisciplinary Studies (IS)
(3) Elective
12-13 - Total Credits

Year 3 (Spring Semester)

(3) Spanish Elective (300-400 level)
(3) Spanish Elective (300-400 level)
(3) Spanish Elective (300-400 level)
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SPAN Elective (300-400 level)
(3) SPAN Elective (400 level)
(3) Elective
(4) Elective
13 - Total Credits

Year 4 (Spring Semester)

(3) SPAN 400 Senior Essay (HUM)
(3) SPAN Elective (300-400 level)
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for Students Seeking Professional Educator Licensure

A professional education program is a joint program made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education Health and Human Behavior Student Services for information about requirements of courses leading to the professional educator licensure. Scheduling required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure

program. Overall GPAs will be calculated based on all college courses taken at all institutions. In addition, a "B" (3.0 average or higher) in the major is required in order to student teach. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, so the latest details about these requirements can be found in the SEHHB section of this catalog, on the SEHHB website , and by making an appointment with an SEHHB advisor.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, French Professional Educator Licensure (K-12)

Year 1 (Fall Semester)

(4) **FR 201** Intermediate French I (BICS)
(3) ENG 101 English Composition I
(3) FL 111A or FL 111E Intro to Foreign Studies (BHUM)
(3) Breadth Fine & Performing Arts (BFPA)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **FR 202** Intermediate French II (HUM)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101 Quantitative Reasoning
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 2 (Fall Semester)

(4) FR 301 Advanced French (HUM)
(3) French Elective (300-400 level)
(2) Health Experience (EH)
(3) Breadth Social Science (BSS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 2 (Spring Semester)

(3) French Elective (300-400 level)
(3) French Elective (300-400 level)
(3) Breadth Physical Science with a Lab (BPS, EL)
(3) Interdisciplinary Studies (IS)
(2) Elective
14 - Total Credits

Simulated Oral Proficiency Interview (SOPI)

Year 3 (Fall Semester)

(3) FR 351 Survey of French Literature (BHUM)
(2) FR 400A Senior Essay (HUM)
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication
(3) IT 300 Digital Learning and Communication
(1) CIED 302 Field Experience II
15 - Total Credits

Oral Proficiency Interview (OPI)

Year 3 (Spring Semester)

(3) FR 352 Survey of French Literature
(2) FR 400B Senior Essay (HUM)
(3) ENG 468 Second Language Acquisition
(3) SPE 400 - The Exceptional Child
(3) CIED 323 Adolescent Content Literacy
(1) CIED 303 Field Experience III
15 - Total Credits

Student Teacher Screening

Year 4 (Fall Semester)

(3) French Elective (300-400 level)
(3) FL 486 Methods for Teaching Foreign Language K-12
(3) CIED 311 Differentiated Instruction
(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(1) CIED 304 Field Experience IV
16 - Total Credits

Year 4 (Spring Semester)

(2) CIED 456 9-12 Seminar
(10) CIED 455G 9-12 Student Teaching - Foreign Language
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, German Professional Educator Licensure (K-12)

Year 1 (Fall Semester)

(4) **GER 201** Intermediate German I (BICS)
(3) ENG 101 English Composition I
(3) FL 111B Intro to Foreign Studies (BHUM)
(3) Breadth Fine & Performing Arts (BFPA)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **GER 202** Intermediate German II (HUM)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101 Quantitative Reasoning
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 2 (Fall Semester)

(4) GER 301 Advanced German (HUM)
(3) German Elective (300-400 level)
(1) Health Experience (EH)
(3) Breadth Social Science (BSS)
(3) Elective
14 - Total Credits

Simulated Oral Proficiency Interview (SOPI)

Year 2 (Spring Semester)

(3) German Elective (300-400 level)
(3) German Elective (300-400 level)
(3) Breadth Physical Science with a Lab (BPS, EL)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
12 - Total Credits

Year 3 (Fall Semester)

(3) GER 351 Survey of German Literature (BHUM)
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication
(3) IT 300 Digital Learning and Communication
(1) CIED 302 Field Experience II
(3) Interdisciplinary Studies (IS)
16 - Total Credits

Oral Proficiency Interview (OPI)

Year 3 (Spring Semester)

(3) GER 352 Survey of German Literature (BHUM)
(3) German Elective (300-400 level)
(3) ENG 468 Second Language Acquisition
(3) SPE 400 The Exceptional Child
(3) CIED 323 Adolescent Content Literacy
(1) CIED 303 Field Experience III
16 - Total Credits

Student Teacher Screening

Year 4 (Fall Semester)

(2) GER 400A Senior Essay
(3) FL 486 Methods for Teaching Foreign Languages K-12 (HUM)
(3) CIED 311 Differentiated Instruction
(3) CIED 313 Introduction to Assessment

(3) CIED 314 Learning Environments
(1) CIED 304 Field Experience IV
15 - Total Credits

Year 4 (Spring Semester)

(2) GER 400B Senior Essay
(2) CIED 456 9-12 Seminar
(10) CIED 455G 9-12 Student Teaching - Foreign Language
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Foreign Languages and Literature, Spanish Professional Educator Licensure (K-12)

Year 1 (Fall Semester)

(4) **SPAN 201** Intermediate Spanish I (BICS)
(3) ENG 101 English Composition I
(3) Breadth Fine & Performing Arts (BFPA)
(3) FL 111C Introduction to Hispanic Civilization (recommended BHUM)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(4) **SPAN 202** Intermediate Spanish II (HUM)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) QR 101 Quantitative Reasoning
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 2 (Fall Semester)

(3-4) SPAN 301 Advanced Spanish or SPAN 303 Academic Spanish (HUM)
(3) SPAN 302 Advanced Spanish (HUM)
(2) Health Experience (EH)
(3) Breadth Social Science (BSS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
14-15 - Total Credits

Year 2 (Spring Semester)

(3) Spanish Elective (300-400 level)
(3) Spanish Elective (300-400 level)
(3) Spanish Elective (300-400 level)
(3) Breadth Physical Science with a Lab (BPS, EL)
12 - Total Credits

Simulated Oral Proficiency Interview (SOPI)

Year 3 (Fall Semester)

(3) Spanish Elective (300-400 level)
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication
(3) IT 300 Digital LEarning and Communication
(1) CIED 302 Field Experience II
(3) Interdisciplinary Studies (IS)
16 - Total Credits

Oral Proficiency Interview (OPI)

Year 3 (Spring Semester)

(4) SPAN 308 Spanish Linguistics (HUM)
(3) Spanish Elective 400-level
(3) ENG 468 Second Language Acquisition
(3) SPE 400 The Exceptional Child
(3) CIED 323 Adolescent Content Literacy
(1) CIED 303 Field Experience III
17 - Total Credits

Student Teacher Screening

Year 4 (Fall Semester)

(3) SPAN 400 Senior Essay (HUM)
(3) FL 486 Methods for Teaching Foreign Languages K-12
(3) CIED 311 Differentiated Instruction
(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(1) CIED 304 Field Experience IV
16 - Total Credits

Year 4 (Spring Semester)

(2) CIED 456 9-12 Seminar
(10) CIED 455G 9-12 Student Teaching-Foreign Languages
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Geography

Admission Requirements

All new Geography majors must meet with Dr. Susan Hume (shume@siue.edu) before the end of their first semester.

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Geography major in the Department of Geography and GIS which is housed in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Geography major in the Department of Geography and GIS which is housed in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Geography major in the Department of Geography and GIS which is housed in the College of Arts & Sciences.

Transfer

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. For more information about transferring to SIUE, please visit the transfer website.

Degree Requirements

Geography Core Requirements (36 hours)

- GEOG 201 – World Regions
- GEOG 205 – Human Geography
- GEOG 210 – Physical Geography
- GEOG 320 – Cartography
- GEOG 321 – Quantitative Techniques
- Two human geography courses, after completing GEOG 205, from among the following: 300, 301, 303, 401, 402, 403, 404, 405, 406, 407, 451
- Two physical geography courses, after completing GEOG 210, from among the following: 311, 314, 315, 316, 409, 410, 411, 412, 415, 416, 417, 429, 430, 452
- One regional geography course, after completing GEOG 201, from among the following: 330, 332, 333, 334, 335, 453
- One geography techniques course, after completing GEOG 320, from among the following: 322, 418, 420, 421, 422, 423, 424, 425, 431, 432, 454
- GEOG 499A - Senior Assignment (Semester I; 2 credit hours) and GEOG 499B - Senior Assignment (Semester II; 1 credit hour) are completed over two different semesters; GEOG 499A must be completed with a grade of C or better prior to taking GEOG 499B.

Note: The following courses may be taken as part of an online Degree Completion program when they are scheduled in an 8-week, online format; GEOG 202, GEOG 210, GEOG 211, GEOG 300, GEOG 335, GEOG 418, GEOG 453.

Minor or Area of Specialization (18 hours)

Geography majors must complete either an existing minor or an area of specialization option. The area of specialization option is designed to give students an opportunity to further explore the breadth and depth of geography and related disciplines, and consists of 18 hours of coursework beyond the major. The area of specialization may include courses from a variety of departments, including geography (courses must be in addition to all major requirements), and it must be designed in consultation with a geography faculty member and approved by the department chair. All courses taken as part of an area of specialization require a minimum grade of C. Geography majors

can minor in urban studies, geographic information systems and/or meteorology and climatology, however, geography majors cannot minor in geography.

Electives (22-24 hours)

Requirements for Students Seeking Professional Education Licensure for Grades 9-12

Geography majors who intend to teach at the secondary level may complete the Bachelor of Science with a major in geography. The major constitutes the teaching field of concentration. In addition, students pursuing teacher licensure must complete the strong minor in social science education (see the sample curriculum).

A program in Professional Education Licensure (PEL) is a joint program made by the academic discipline in the College of Arts and Science (CAS) and the School of Education Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education Health and Human Behavior Student Services for information about requirements for courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. All geography courses must be at a grade of 3.0 or higher to student teach. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the School of Education Health and Human Behavior section of the undergraduate academic catalog, the SEHHB website, and by making an appointment with an SEHHB advisor.

Retention

Students must maintain a cumulative GPA of at least 2.0 to remain in good academic standing. Students whose cumulative GPA falls below 2.0 will be placed on academic probation, returned to undeclared status and limited to a maximum of 12 hours of enrollment per semester.

Degrees Available at SIUE

- Bachelor of Arts, Geography
- Bachelor of Science, Geography
- Professional Educator Licensure (9-12) program

Graduation Requirements

- Complete all specific program requirements
  - A minimum grade of C is required in courses completed for the major
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
  - At least 30 of which must be completed at SIUE
  - At least 60 of which must be completed at a regionally accredited four-year institution
- A minimum cumulative GPA of 2.0
- Bachelor of Arts only: A two-semester sequence of the same foreign language
- File an Application for Graduation by the deadline listed on the Registrar's website

Minor in Geography (for non-geography majors)

The minor in geography is comprised of 18 credit hours. A minimum of 9 hours must be at the 300-level or higher. Students are required to take one human geography course, one physical geography course and one regional course. The remaining hours are electives. A minimum grade of C is required for all courses counted toward the minor. The courses should be selected in consultation with an undergraduate advisor in geography. Note: ESCI111 can be applied toward a minor in geography, however all other courses must have a GEOG prefix.

Geographic Information Systems (GIS) Minor

The GIS minor develops knowledge and skills related to the application of geographic information systems for mapping and analyzing spatial data. Since GIS has evolved into an invaluable technology that is being used extensively by geographers, environmental scientists, biologists, climatologists, epidemiologists, transportation planners, engineers, and business strategists, a minor in GIS would be an ideal supplement to many different programs of study (e.g., biology, criminal justice, anthropology, geography, political science).

The minor in GIS is comprised of 18 credit hours. Students must earn a grade of C or better for all minor coursework. The minor is open to students from any major, however the specific course requirements for geography majors are different than those for non-geography majors, as described below.

GIS Minor Requirements for Geography Majors:

Students majoring in geography must complete nine credit hours of required coursework and at least nine credit hours of electives. (Please note that majors must complete an additional 300- or 400-level course to fulfill the techniques requirement for the major.)

Core Required Courses (9 hours)

- GEOG 418 Introduction to GIS
- GEOG 422 Remote Sensing
- GEOG 424 Vector Based GIS

Elective Course Requirements (minimum 9 credit hours):

- GEOG 322 Air Photo Interpretation
- GEOG 420 Interactive & Animated Cartography
- GEOG 421 Digital Elevation Modeling
- GEOG 423 Computer Mapping
- GEOG 425 Raster Based Geographic Information Systems (GIS)
- GEOG 427 (GIS-related only) Internship
- GEOG 431 Web-based Online Mapping Using ArcGIS API for JavaScript
- GEOG 432 Python Scripting in GIS
- GEOG 454 (GIS-topics only)

GIS Minor Requirements for All Other Majors:

Students not majoring in geography must complete 12 credit hours of required coursework and at least 6 credit hours of elective coursework.

Requirements

Core Required Courses (12 hours)

- GEOG 320 Cartography
- GEOG 418 Introduction to GIS
- GEOG 422 Remote Sensing
- GEOG 424 Vector Based GIS

Elective Course Requirements (6 credit hours):

- GEOG 322 Air Photo Interpretation
- GEOG 420 Interactive & Animated Cartography
- GEOG 421 Digital Elevation Modeling
- GEOG 423 Computer Mapping
- GEOG 425 Raster Based Geographic Information Systems (GIS)
- GEOG 427 (GIS-related only) Internship
- GEOG 431 Web-based Online Mapping Using ArcGIS API for JavaScript
- GEOG 432 Python Scripting in GIS
- GEOG 454 (GIS-topics only)

Other courses not listed here may be used as electives toward the minor with the approval of the GIS Coordinator.

Minor in Meteorology and Climatology

Weather and climate are central components of the physical environment, playing important roles in a wide range of human activities and natural processes. This minor provides an overview of the physical processes that control both past and present-day weather and climate change throughout geological time, and allows students to study the linkages between the earth-atmosphere system and human development, food and water resources and disease.

The minor in meteorology and climatology requires 18 credit hours. Students must complete nine hours of core required courses in meteorology and climatology; six hours in advanced topics in meteorology and climatology; and three hours of electives. A minimum grade of C is required in courses completed for the minor. Geography majors

pursuing the minor in meteorology and climatology cannot count the same courses for their major and their minor.

Requirements

Core Required Courses (9 hours)

- GEOG 211 - Meteorology
- GEOG 314 - Climatology
- GEOG 409 - Weather Forecasting

Advanced Topics in Meteorology and Climatology (6 hours-non-Geography electives may be considered with approval of the minor coordinator)

- GEOG 202 - Resource Use and Management
- GEOG 311 - Atmospheric Hazards
- GEOG 315 - Geomorphology
- GEOG 316 - Introduction to Biogeography
- GEOG 411 - Hydrology
- GEOG 417 - River Landscapes
- GEOG 427 - Internship (with approval of the minor coordinator)
- GEOG 429 - Storm Chasing and Assessment
- GEOG 430 - Global Climate Change
- GEOG 452 - Topics in Physical Geography (with approval of the minor coordinator)

Elective Courses (3 hours)

- GEOG 401 - Geography of Development
- GEOG 403 - Advanced Urban Geography
- GEOG 404 - Medical Geography
- GEOG 405 - Geography of Food
- GEOG 418 - Geographic Information Systems (GIS)
- GEOG 422 - Remote Sensing & Digital Image
- GEOG 424 - Vector Based Geographic Information Systems (GIS)
- GEOG 425 - Raster Geographic Information Systems (GIS)
- GEOG 451 - Topics in Human Geography (with approval of the minor coordinator)
- GEOG 454 - Topics in Geographic Techniques (with approval of the minor coordinator)

Minor in Urban Studies

The Urban Studies minor at Southern Illinois University Edwardsville is an interdisciplinary program dedicated to the cultivation of knowledge and skills pertaining to urban issues at the local, national, and global scales. A minor in Urban Studies will help prepare students to be informed, thoughtful, and engaged participants in an urban world by providing a broad program of study encompassing the social, cultural, geographical, historical, political, economic, and planning dimensions of cities and urban life.

Students desiring a minor in Urban Studies must complete 6 credit hours of required core courses and at least 12 credit hours of elective courses for a minimum 18 credit hours. Courses taken to fulfill minor requirements must come from at least two different academic departments. Students must pass all courses with a grade of “C” or better. Courses already counted toward a student’s major cannot be counted again for this minor unless approved by both the student's major program advisor and the Urban Studies Coordinator. Courses not listed among the electives may be acceptable if approved by the Urban Studies Coordinator.

For additional information and advisement, please contact: Dr. James Hanlon (Email: jhanlon@siue.edu / Phone: 618-650-2943).

Core Course Requirements (6 credit hours):

- GEOG 303 Introduction to Urban Geography

Any one of the following (remaining courses may be taken to fulfill elective requirements):

- GEOG 403 Advanced Urban Geography
- POLS 344 Urban Politics
- SOC 335 Urban Sociology

Elective Course Requirements (minimum 12 credit hours):

- ANTH 332 Origins of Old World Cities and States
- ANTH 333 Origins of New World Cities and States
- ANTH 411 Urban Anthropology
- CE 376 Transportation
- CJ 366 Race and Class in Criminal Justice
- CNST 264 Construction Surveying
- CNST 415 Land Development
- ECON 327 Social Economics: Issues in Income, Employment and Social Policy

- ECON 445 Economics of the Public Sector: State and Local
- EPFR 320 Foundations of Education in a Multicultural Society
- GEOG 402 Cultural Landscape
- GEOG 403 Advanced Urban Geography
- HIST 434a Modern Twentieth Century American History (1896-1945)
- HIST 434b Modern Twentieth Century American History (1945-present)
- HIST 442 The Black Urban Experience
- HIST 470 Preserving the American Past
- POLS 320 Introduction to Public Administration
- POLS 342 Issues in American Public Policy
- POLS 344 Urban Politics
- SOCW 303 Human Behavior in the Social Environment II
- SOCW 390 Diversity and Issues of Social and Economic Justice
- SOC 304 Race and Ethnic Relations
- SOC 309 Social Inequality
- SOC 335 Urban Sociology

Because the following courses have variable content, they require advance approval by the Coordinator of the Urban Studies minor:

- ANTH 350 Applied Anthropology
- CJ 390 Special Topics in Criminal Justice
- GEOG 451 Topics in Human Geography
- HIST 400 Topics in History
- PAPA 499 Seminar in Public Administration

Sample Curriculum for the Bachelor of Arts in Geography

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) **ESCI 111** Intro to Physical Geology & Geography (BPS, EL) (recommended)
(4) Foreign Language 101 (BICS, EREG)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) **GEOG 201** World Regions (BSS)
(3) ENG 102 English Composition II
(4) Foreign Language 102
(3) MATH 120, MATH 120E, MATH 125, MATH 150, STAT 107, or STAT 244
(3) QR 101, MATH 150 or Higher
16 - Total Credits

Year 2 (Fall Semester)

(3) **GEOG 210** Physical Geography (BPS)
(3) **GEOG 205** Human Geography (BSS, EL)
(3) RA 101 or PHIL 212
(3) Breadth Humanities (BHUM)
(3) Minor or AOS
15 - Total Credits

Year 2 (Spring Semester)

(3) ***Human Geography Requirement***
(3) **GEOG 321** Quantitative Techniques (EL)
(3) Fine & Performing Arts or Humanities
(3) Minor or AOS
(3) Minor or AOS
15 - Total Credits

Year 3 (Fall Semester)

(3) **GEOG 320** Cartography
(3) ***Human Geography Requirement***
(3) Fine & Performing Arts or Humanities
(3) Minor or AOS
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 3 (Spring Semester)

(3) ***Physical Geography Requirement***
(3) Interdisciplinary Studies (IS)
(3) Minor or AOS
(3) Minor or AOS
(3) Fine & Performing Arts or Humanities
15 - Total Credits

Year 4 (Fall Semester)

(3) ***Physical Geography Requirement***
(2) **GEOG 499A** Senior Assignment
(3) Breadth Life Science (BLS)
(3) Fine & Performing Arts or Humanities
(2) Health Experience (EH)
13 - Total Credits

Year 4 (Spring Semester)

(3) ***Geography Techniques Requirement***
(3) ***Regional Geography Requirement***

(1) **GEOG 499B** Senior Assignment

(3) Elective
(3) Elective
(2) Elective
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the bolded courses/requirements pre-transfer and satisfy the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Geography

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) **ESCI 111** Intro to Physical Geology & Geography (BPS, EL) (recommended)
(3) RA 101 Reasoning & Argumentation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **GEOG 201** World Regions (BSS, EREG)
(3) ENG 102 English Composition II
(3) Breadth Life Science (BLS)
(3) MATH 120, MATH 120E, MATH 125, MATH 150, STAT 107, or STAT 244 (BPS/PS)
(3) QR 101, MATH 150 or Higher
15 - Total Credits

Year 2 (Fall Semester)

(3) **GEOG 210** Physical Geography (BPS)
(3) Breadth Humanities (BHUM)
(2) Health Experience (EH)
(3)
(3) Elective
14 - Total Credits

Year 2 (Spring Semester)

(3) **GEOG 205** Human Geography (BSS, EL)
(3) **GEOG 321** Quantitative Techniques (BICS, EL)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Minor or AOS
(3) Minor or AOS
15 - Total Credits

Year 3 (Fall Semester)

(3) **GEOG 320** Cartography
(3) ***Human Geography Requirement***
(3) Minor or AOS
(3) Elective
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) ***Physical Geography Requirement (BLS/LS/BPS/PS)***
(3) Interdisciplinary Studies (IS)
(3) Minor or AOS
(3) Minor or AOS
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) ***Human Geography Requirement***
(3) ***Physical Geography Requirement (BLS/LS/BPS/PS)***
(2) **GEOG 499A** Senior Assignment
(3) Minor or AOS
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) ***Geography Techniques Requirement***
(3) ***Regional Geography Requirement***

(1) **GEOG 499B** Senior Assignment
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete
the **bolded** courses/requirements pre-transfer and satisfy the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for students seeking Professional Educator Licensure

A professional education program is a joint program made by the academic discipline in the College of Arts and Science (CAS) and the School of Education Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education Health and Human Behavior Student Services for information about requirements of courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. **All geography courses must be at a grade of 3.0 or higher to student teach.** No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the School of Education Health and Human Behavior section of the undergraduate academic catalog, the SEHHB website, and by making an appointment with an SEHHB advisor.

Sample Curriculum for the Bachelor of Science* in Geography, Professional Educator Licensure (9-12)

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) **GEOG 201** World Regions (BSS)
(3) POLS 112 Introduction to American National Government and Politics (BSS)
(3) ECON 111 Principles of Macroeconomics (BSS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation (FRA)
(3) Breadth Fine & Performing Arts (BFPA)
(3) **GEOG 205** Human Geography (BSS, EL)
(3) POLS 111 Intro to Political Science (BSS)
(3) ECON 112 Principles of Microeconomics
18 - Total Credits

Year 2 (Fall Semester)

(3) QR 101 Quantitative Reasoning (FQR)
(3) **GEOG 210** Physical Geography (BPS)
(3) GEOG 300 or GEOG 405 (EH)
(3) GEOG Regional Requirement
(3) HIST 112A World History to 1500 or HIST 112B World History to Present (BHUM)
(3) SOC 111 Intro to Sociology (BSS, ERGU)
18 - Total Credits

Year 2 (Spring Semester)

(3) GEOG 320 Cartography
(3) GEOG 316, 415, or 416 (BLS)
(3) GEOG Human Requirement (GEOG 301 or GEOG 401 also meets IS)
(3) ANTH 111B Human Culture & Communication (EREG)
(3-5) MATH 120, MATH 120E, MATH 125, MATH 150, STAT 107, or STAT 244
15-17 - Total Credits

Year 3 (Fall Semester)

(3) GEOG 321 Quantitative Techniques (EL)
(3) GEOG Physical Requirement
(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners
(3) CIED 312 Language and Communication
(3) HIST 330 History of Illinois
16 - Total Credits

Year 3 (Spring Semester)

(3) GEOG 499 Senior Assignment
(3) GEOG Techniques Requirement
(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) SPE 400 The Exceptional Child
(3) CIED 311 Differentiated Instruction
16 - Total Credits

Year 4 (Fall Semester)

(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(3) Interdisciplinary Studies (IS)
(1) CIED 304 Field Experience IV
(3) HIST 323 Social Science Pedagogy
13 - Total Credits

Year 4 (Spring Semester)

(2) CIED 456 9-12 Senior Seminar
(10) CIED 455I 9-12 Student Teaching - Geography
12 - Total Credits

Total Hours 127-129

* A student who wishes to earn a Bachelor of Arts in geography will complete two semesters of the same foreign language and three additional courses in fine and performing arts or humanities.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, AAT (early childhood, special ed or math) degree from an IAI community college. Visit the transfer credit website to find course equivalency guides.

History

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the History major in the College or Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the History major in the College or Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the History major in the College or Arts & Sciences.

Transfer Credits for all History Majors

Courses are accepted for major or minor credit pending similarity to history offerings and articulation agreements with the student's prior institution.

Requirements for Students Seeking Professional Educator Licensure

Students who intend to teach at the secondary level may complete the bachelor's degree with a major in history. The major constitutes the teaching field of concentration. In addition, students pursuing teacher licensure must complete the minor in social science education (see the sample curriculum).

A program in Professional Education Licensure (PEL) is a joint program made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education, Health, and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the SEHHB for information about requirements for courses leading to professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor and the SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. The overall GPA in all history courses must be 3.0 or higher in order to student teach. Only courses in the major and minor with a grade of "C" or better will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog, the SEHHB website, and by making an appointment with an SEHHB advisor.

Degree Requirements

Bachelor of Arts or Bachelor of Science in History Requirements

Sample Curriculum

Complete all general education and specific program requirements.

Complete four HIST survey courses, 101-299 with a minimum grade of C.

- Two must be from the Western Civilization or World History surveys
  - History majors pursuing Professional Educator Licensure in Social Sciences must take:
    - HIST 112A and HIST 112B (World History surveys)
- Two must be from the United States History surveys
  - History majors pursuing Professional Educator

Licensure in Social Sciences must take:
  - HIST 200 or HIST 130A and
  - HIST 201 or HIST 130B

Complete six courses of upper-level courses 300-499 with a minimum grade of C; at least three credit hours must be in history of an area outside of Europe and the United States. At least two of these upper-level courses must be completed prior to enrollment in HIST 301, and at least two of these upper-level courses must be completed at the 400-level (400-499). Students preparing for licensure to teach history or social studies must select Social Science Pedagogy, HIST 323 and complete all requirements for the Minor in Social Sciences Education.

Complete HIST 301 (Historical Methods) and HIST 401 (Historical Research) with a minimum grade of C.

Social science education minors must average 3.0 cumulatively in their history courses.

Bachelor of Arts or Bachelor of Science in History with Specialization in Applied Historical Methods Requirements

Students in the specialization in applied historical methods must complete the following courses with a minimum of C or better:

- Two United States History surveys from the following: HIST 101, 130A, 130B, 200, 201
- One introductory course in European or World History, 101-299. Depending upon the topic, an individual section of HIST 101 may count as either a European/world or a US history survey, but not both.
- Careers in History (310)
- Three 300-400 level electives in historical content. The list of possible electives include all 300- and 400-level electives except those listed below.
- Two 300-400 level electives in historical skills or applied historical methods from the following:
  - Special Topics in Applied Historical Methods (309)
  - Social Science Pedagogy (323)
  - Oral History (447)
  - Public History (470)
  - Community Engaged Digital History (471)
- Internship (490)
- Historical Methods (301)
- Historical Research (401)

Requirements for students seeking Professional Education Licensure

Students who intend to teach at the secondary level may complete the bachelor's degree with a major in history. The major constitutes the teaching field of concentration. In addition, students pursuing teacher licensure must complete the minor in social science education (see the sample curriculum).

A program in Professional Education Licensure (PEL) is a joint program made by the academic discipline in the College of Arts and Science (CAS) and the School of Education Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education Health and Human Behavior Student Services for information about requirements for courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. Overall GPA in all history courses must be 3.0 or higher to student teach. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog, on the SEHHB website, and by making an appointment with an SEHHB advisor.

Retention

- Must maintain a 2.0 GPA
- Must maintain a 2.0 GPA in all history courses

Degrees Available at SIUE

- Bachelor of Arts, History
- Bachelor of Science, History
  Specialization is available in the following:
  - Applied Historical Methods
- Professional Educator Licensure (9-12) program

Graduation Requirements

- Complete all specific program requirements
- Students are required to complete a minor
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - Bachelor of Arts only: One year of the same foreign language and six courses in fine and performing arts or humanities
- File an Application for Graduation by the first day of the term in which you plan to graduate

History Minor Requirements

- Three survey courses from HIST 101-299

At least one survey course must be European (HIST 101, 111A, 111B, 111C) or World History (HIST 101, 112A, 112B, 133, 210A, 210B, 211A, 211B, 212A, 212B, 213A, 213B), and one must be American history (HIST 101, 130A, 130B, 200, 201). Depending upon the topic, an individual section of HIST 101 may count as either a European/world or a US history survey, but not both.

- Four upper-level courses between HIST 300-499

At least three credit hours in HIST 300-499 must be in an area outside of Europe and the United States. HIST 300 Special Topics courses can be taken for a maximum of six hours, HIST 400 Special Topics courses can be taken for a maximum of nine hours.

No minors may take HIST 301 (Historical Methods) or 401 (Historical Research).

Social Science Education Minor for History Majors

Students pursuing the BA or BS in history who are also seeking Professional Educator Licensure must complete the social science minor to qualify in the state of Illinois for Social Science Certification, since Illinois licensure is certified only in social science. All of the following required courses must be completed for the social science minor, with a grade of "C" or better:

- ANTH 111B – Human Culture and Communication
- ECON 111 – Principles of Macroeconomics
- ECON 112 – Principles of Microeconomics
- GEOG 111 – Introduction to Geography **or** GEOG 205 – Human Geography
- GEOG 201 – World Regions
- HIST 330 – History of Illinois
- HIST 112A – World History to 1500 **or** HIST 112B – World History 1500 to Present
- HIST 323 – Social Science Pedagogy
- POLS 250 – Introduction to Comparative Politics
- POLS 112 – Introduction to American National Government & Politics
- SOC 111 – Introduction to Sociology

If applicable, these courses may also count toward a student's respective major in History, Geography or Political Science.

Sample Curriculum for the Bachelor of Arts in History

Year 1 Fall Semester

(3) **HIST 101*-299** (Western Civ. or World) (BHUM or BSS)
(3) ENG 101 English Composition I
(4) **Foreign Language 101** (BICS, EREG)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 Spring Semester

(3) **HIST 101*-299** (Western Civ. or World) (BHUM

or BSS)
(3) ENG 102 English Composition II
(4) **Foreign Language 102**
(3) Breadth Humanities (BHUM)
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 2 Fall Semester

(3) **HIST 101*, HIST 130A, HIST 130B, HIST 200,** or **HIST 201** (US) (EL)
(4) **Foreign Language 201**
(3) RA 101 Reasoning & Argumentation
(3) QR 101, MATH 150 or Higher
(3) Breadth Physical Science (BPS)
16 - Total Credits

Year 2 Spring Semester

(3) **HIST 101*, HIST 130A, HIST 130B, HIST 200,** or **HIST 201** (US)
(4) **Foreign Language 202**
(3) Minor
(3) Fine & Performing Arts or Humanities
(3) Minor
16 - Total Credits

Year 3 Fall Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective
(4) Upper-level foreign language course (recommended)
(3) Fine & Performing Arts or Humanities
(3) Minor
16 - Total Credits

Year 3 Spring Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective (Non-European or Non-US)
(3) Interdisciplinary Studies (IS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Minor
15 - Total Credits

Year 4 Fall Semester

(3) HIST 301 Historical Methods
(3) HIST 300/400-level Elective
(4) Upper-level foreign language course (recommended)
(2) Minor
12 - Total Credits

Year 4 Spring Semester

(3) HIST 401 Historical Research
(3) HIST 300/400-level Elective
(4) Upper-level foreign language course (recommended)
(2) Health Experience (EH)
12 - Total Credits

Total Hours 120

* Depending upon the topic, an individual section of HIST 101 may count as either a European/world or a US history survey, but not both.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in History

Year 1 Fall Semester

(3) **HIST 101*-299** (Western Civ. or World) (BHUM or BSS)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Life Science (BLS)
(3) Breadth Fine & Performing Arts (BFPA)

(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **HIST 101*-299** (Western Civ. or World) (BHUM or BSS)
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) Breadth Humanities (BHUM)
(3) Elective
15 - Total Credits

Year 2 Fall Semester

(3) **HIST 101*, HIST 130A, HIST 130B, HIST 200,** or **HIST 201** (US) (BSS, EL, ERGU)
(3) RA 101 Reasoning & Argumentation
(3) Health Experience (EH)
(3) Minor
(3) Life, Physical or Social Science
15 - Total Credits

Year 2 Spring Semester

(3) **HIST 101*, HIST 130A, HIST 130B, HIST 200,** or **HIST 201** (US) (BSS, EL)
(3) Breadth Physical Science (BPS)
(3) Life, Physical or Social Science
(3) Minor
(3) Breadth Information & Communication in Society (BICS)
15 - Total Credits

Year 3 Fall Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective
(3) Life, Physical or Social Science
(3) Elective
(3) Minor
15 - Total Credits

Year 3 Spring Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective (Non-European or Non-US)
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 4 Fall Semester

(3) HIST 301 Historical Methods
(3) HIST 300/400-level Elective
(3) Minor
(3) Minor/Elective
(3) Elective
15 - Total Credits

Year 4 Spring Semester

(3) HIST 401 Historical Research
(3) HIST 300/400-level Elective
(3) Minor
(5) Electives
14 - Total Credits

Total Hours 120

* Depending upon the topic, an individual section of HIST 101 may count as either a European/world or a US history survey, but not both.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in History, Applied Historical Methods

Year 1 Fall Semester

(3) **HIST 101*-299** (Western Civ. or World) (BHUM

or BSS)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Life Science (BLS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **HIST 130A, HIST 130B, HIST 200, HIST 201,** or **HIST 101***(US) (BSS, EL, ERGU)
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) Breadth Humanities (BHUM)
(3) Elective
15 - Total Credits

Year 2 Fall Semester

(3) **HIST 130A, HIST 130B, HIST 200, HIST 201,** or **HIST 101*** (US) (BSS, EL)
(3) RA 101 Reasoning & Argumentation
(3) Health Experience (EH)
(3) Minor
(4) Elective
16 - Total Credits

Year 2 Spring Semester

(3) HIST 310 Careers in History (BSS)
(3) Breadth Physical Science (BPS)
(3) Breadth Info & Communication in Society (BICS)
(3) Minor
(3) Elective
15 - Total Credits

Year 3 Fall Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective
(3) Minor
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
15 - Total Credits

Year 3 Spring Semester

(3) HIST 300/400-level Elective
(3) HIST 300/400-level Elective in historical skills or applied historical methods (BSS/SS)
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Elective
15 - Total Credits

Year 4 Fall Semester

(3) HIST 301 Historical Methods (SS)
(3) HIST 300/400-level Elective in historical skills or applied historical methods (BSS/SS)
(3) Minor
(3) Elective
(4) Elective
16 - Total Credits

Year 4 Spring Semester

(3) HIST 401 Historical Research
(3) HIST 490 Internship
(3) Minor
(3) Minor/Elective
12 - Total Credits

Total Hours 120

* Depending upon the topic, an individual section of HIST 101 may count as either a European/world or a US history survey, but not both.

Students wishing to obtain a Bachelor of Arts may do so by adding one year of foreign language, as well as four additional courses in fine and performing arts or humanities.

Sample Curriculum for the Bachelor of Science in History
Professional Educator Licensure (9-12) option

Year 1 Fall Semester

(3) **HIST 112A** World History I (BHUM, EREG)
(3) **ENG 101** English Composition I
(3) ACS 101 Public Speaking or ACS 103

Interpersonal Communication Skills
(3) **POLS 112** American National Government (BSS, ERGU)
(3) **GEOG 111** Introduction to Geography **or GEOG 205** Human Geography (BSS, EL)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 Spring Semester

(3) **HIST 112B** World History II (BHUM)
(3) **SOC 111** Introduction to Sociology (BSS)
(3) **ENG 102** English Composition II
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Life Science (BLS)
18 - Total Credits

Year 2 Fall Semester

(3) **HIST 200** US History through the Reconstruction Era **or HIST 130A** History of Black America to 1865
(3) **GEOG 201** World Regions (BSS)
(3) ECON 111 Principles of Macroeconomics
(3) **POLS 250** Introduction to Comparative Politics
(0) Health Experience (EH)
(3) QR 101, MATH 150 or Higher
(3) Breadth Physical Science (BPS)
18 - Total Credits

Year 2 Spring Semester

(3) **HIST 201** US History since the Reconstruction Era **or** HIST 130B History of Black America: 1865 to the present
(3) HIST 330 History of Illinois
(3) **ANTH 111B** Human Culture & Comm (BSS)
(3) **ECON 112** Principles of Microeconomics (BSS)
(3) HIST 300/400 Level Elective
(3) HIST 300-400 level Elective (Non-Western History)
18 - Total Credits

Year 3 Fall Semester

(1) CIED 302 Field Experience II
(3) HIST 400 Level Elective
(3) CIED 310 Planning for Diverse Learners
(3) CIED 312 Language and Communication (BICS)
(3) HIST 400 Level Elective
(3) HIST 301 Historical Methods
16 - Total Credits

Year 3 Spring Semester

(3) HIST 401 Historical Research
(3) CIED 311 Differentiated Instruction
(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) Interdisciplinary Studies (IS)
(3) SPE 400 The Exceptional Child
16 - Total Credits

Year 4 Fall Semester

(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(2) CIED 304 Field Experience IV
(3) HIST 323 Social Science Pedagogy
(3) IT 300 Digital Learning and Communication for Educators
14 - Total Credits

Year 4 Spring Semester

(2) CI 456 9-12 Seminar
(10) CIED 455 Student Teaching
12 - Total Credits

Total Hours 128

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Industrial Engineering

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Industrial Engineering, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BS in Industrial Engineering**
- **MS in Industrial Engineering**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in industrial engineering
- Maintain a minimum 3.0 cumulative undergraduate GPA
- Maintain a minimum 2.75 undergraduate GPA in all engineering, math and physical science courses
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply for the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in industrial engineering requires that students complete 6-9 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in industrial engineering and the MS in industrial engineering.

Senior Year (Fall Semester)

(3) IE 468 Operations Research-Simulation
(3) IE 476 Plantwide Process Control
(3) IE 483 Production Planning & Control
(3) IE 484 Facilities Planning
(3) IE 400-level Elective - **shared credit**
15 Total Credits

Senior Year (Spring Semester)

(3) IE 490 Integrated Engineering Design

(3) PHIL 323 Engineering, Ethics and Professionalism
(3) Interdisciplinary Studies [IS]/U.S. Race, Gender, and Equity [ERGU] or Global Cultures, Race, and Equity Education [EREG]
(3) IE 400-level Elective - **shared credit**
(3) IE 400-level Elective - **shared credit**
15 Total Credits

Graduate Year

Choose between thesis (IE 599) option requiring 30 credit hours or non-thesis option requiring 33 credit hours including electives and a research project.

Required Core Courses (12 credit hours)

- IE 465 Design and Control of Quality Systems (3)*
- IE 483 Production Planning and Control (3)*
- IE 515 Engineering Optimization Models (3)*
- IE 576 Advanced Computer Integrated Manufacturing Systems (3)

*Students having completed these or similar courses as part of their bachelor's degree may choose other courses in the same core area with the approval of their advisor.

Electives and Exit Option (9-12 credit hours, assuming 9 elective hours completed during the senior year)

- IE 500-level Elective (3)
- IE 599 Thesis (6)
- Non-thesis: IE 500-level Electives (9) and Research Project

See the graduate catalog for industrial engineering (IE) course descriptions.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Bachelor of Science Industrial Engineering

Breadth-Physical Science Courses

- CHEM 131, 135+
- MATH 152, 250
- MATH 305 or 321
- PHYS 141, 151L, 142, 152L

+ CHEM 125A may be substituted

Engineering and Computer Science Courses

- CE 204, 240, 242
- CS 140
- ECE 210
- IE 106, 335, 345, 370, 375, 415, 451, 465, 468, 470, 476, 483, 484, 490
- IE Electives* (9 hours)

Breadth

- Fine and Performing Arts (3 hours)
- Life Science (3 hours)

Breadth Info and Communication in Society Course

- STAT 380

Breadth-Humanities Course (3 hours)

- PHIL 323

Breadth-Social Science Courses

- ECON 111

Foundations

- ENG 101
- ENG 102
- PHIL 323
- ACS 103
- MATH 150 (FQR)

The following experiences are also required: First Semester Transition (FST), Health (EH), U.S. Race, Gender, and Equity (ERGU), Global Cultures, Race, and Equity Education (EREG)

Interdisciplinary Studies Course

Suggested: IS 352 or IS 375

Academic Status/Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incomplete, and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be given the conditions required for removal from probation. If the conditions are not met, students are dropped from the major and may not enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's academic standards committee.

Degrees Available at SIUE

- Bachelor of Science, Industrial Engineering

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

Degree requirements include the following:

- A cumulative GPA of 2.0 or higher on a 4.0 scale for engineering courses
- A cumulative GPA of 2.0 or higher on a 4.0 scale for industrial engineering courses numbered above 299
- Completion of all departmental and University requirements
- Completion of the Senior Assignment in IE 490, Integrated Engineering Design
- A grade of C or better for IE 345, 468 and 483

Minor Requirements for Industrial Engineering

Twenty-one semester hours are required for the industrial engineering minor, including IE 345, 370, 415 and 451 and STAT 380. The remaining two courses are electives to be selected from the following four courses: IE 465, 468, 470, and 483. Other substitute electives are subject to approval by the chair/director of the industrial engineering program. A cumulative GPA of 2.0 or higher is required for industrial engineering courses.

Sample Curriculum for the Bachelor of Science in Industrial Engineering

Year 1 (Fall Semester)

(3) IE 106 Engineering Problem Solving
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (QR)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(5) **MATH 152** Calculus II (BPS)
(3) **PHYS 141** University Physics I (BPS)
(1) **PHYS 151L** University Physics Lab I (EL)
(3) ACS 103 Interpersonal Communications (ERGU or EREG)*
15 - Total Credits

Year 2 (Fall Semester)

(3) **CE 204** Engineering Graphics & CAD
(3) **CE 240** Statics
(4) **MATH 250** Calculus III (BPS)
(3) **PHYS 142** University Physics II (BPS)
(1) **PHYS 152L** University Physics Lab II (EL)
(3) Breadth Fine & Performing Arts (BFPA)
17 - Total Credits

Year 2 (Spring Semester)

(3) **CE 242** Mechanics of Solids

(3) **CS 140** Introduction to Computing
(3) **ECE 210** Introduction to Electrical Circuits
(3) **MATH 305** Differential Equations I or MATH 321-Linear Algebra (BPS)
(3) **ECON 111** Principles of Macroeconomics (BSS)
15 - Total Credits

Year 3 (Fall Semester)

(3) IE 335 Intro to Information Processing Systems
(3) IE 345 Engineering Economics Analysis
(3) STAT 380 Statistics for Application (BICS)
(3) IE 370 Manufacturing Processes
(3) IE 375 Three Dimensional Modeling in Product Design
15 - Total Credits

Year 3 (Spring Semester)

(3) IE 415 Operations Res-Deterministic Models
(3) IE 451 Methods Design & Work Measurements
(3) IE 465 Design & Control of Quality Systems
(3) IE 470 Manufacturing Systems
(3) Breadth Life Science (BLS)
(0-2) Health Experience (EH)
15-17 - Total Credits

Year 4 (Fall Semester)

(3) IE 468 Operations Research-Simulation
(3) IE 476 Plantwide Process Control
(3) IE 483 Production Planning & Control
(3) IE 484 Facilities Planning
(3) IE Elective I
15 - Total Credits

Year 4 (Spring Semester)

(3) IE 490 Integrated Engineering Design
(3) IE Elective II
(3) IE Elective III
(3) PHIL 323 Engineering, Ethics, & Professionalism (FRA, BHUM)
(3) Interdisciplinary Studies (IS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
15 - Total Credits
* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 124-126

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Integrative Studies

Admission Requirements

To be admitted to the Bachelor of Science (BS) or Bachelor of Arts (BA) program in Integrative Studies, students should submit a plan of study to the program director. This plan of study should be developed in consultation with the Integrative Studies advisor and program director, and should illustrate an interdisciplinary nature, clearly define focus areas, and meets all the requirements of the degree.

Retention

Students must remain in good standing at the university and meet all requirements of their focus areas in order to progress toward completion of a major in Integrative Studies.

Degree Requirements

- FST 101

Foundations Courses

- ENG 101
- ENG 102
- QR 101
- RA 101
- ACS 101 or ACS 103

Breadth Areas

One from each of the following:

- Fine & Performing Arts (BFPA)
- Humanities (BHUM)
- Information & Communication in Society (BICS)
- Life Science (BLS)
- Physical Science (BPS)
- Social Science (BSS)

Interdisciplinary Studies*

Course with Interdisciplinary Studies (IS) designation

Experiences*

- Lab (EL)
- Health (EH)
- Global Cultures, Race, and Equity Education (EREG)
- U.S. Race, Gender, and Equity (ERGU)

Major Requirements

- INTG 300
- INTG 499

Focus Areas: At least two**

(For each focus area, coursework should be equivalent to a minor)

Program Electives:**

(These courses should reflect the student's areas of interest; may be minor(s); drawn up jointly by advisor and student)

Leadership Course Requirement

At least one course from the following:

- PSYC 320
- PSYC 365
- PSYC 474
- SOC 338

*Experiences and Interdisciplinary Studies can double dip with other courses.

**Students may take a minor in business administration according to the catalog provisions with three required courses (required courses: ECON 111, ECON 112, ACCT 200) and no more than 18 hours of elective courses. All course prerequisites must be honored as stated in the SIUE Undergraduate Catalog. Under no circumstances should coursework in the School of Business exceed 27 credit hours.

Degrees Available at SIUE

- Bachelor of Arts, Integrative Studies
- Bachelor of Science, Integrative Studies

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
    - At least 60 of which must be at the 200-level or above
    - At least 39 of which must be at the 300-level or above, at least 30 of which must be earned at SIUE
  - A minimum cumulative GPA of 2.0
- File an Application for Graduation by the first day of the term in which you plan to graduate.

Sample Curriculum for the Bachelor of Science in Integrative Studies
Focus Areas: Environmental Sciences and Applied Communication Studies

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 103 Interpersonal Communication (BICS, EREG or ERGU)*
(5) CHEM 121A/CHEM 125A General Chemistry I and Lab (BPS, EL)
(3) MATH 120 College Algebra (BPS)
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ENSC 125 Survey of Environmental Science (BPS)
(4) BIOL 150 Principles of Biology I (BLS, EL)
(3) ACS 101 Public Speaking
(3) RA 101 Reasoning & Argumentation
16 - Total Credits

Year 2 (Fall Semester)

(3) ACS 213 Introduction to Public Relations
(4) ENSC 220/ENSC 220L Principles of Environmental Sciences (BPS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Social Science (BSS)
(3) U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
16 - Total Credits

Year 2 (Spring Semester)

(3) QR 101 Quantitative Reasoning
(3) ACS 203 Introduction to Organizational Communication
(3) ENSC 210 Applied Research Methods (BPS)
(3) Elective
(3) Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) ACS 3xx Elective
(3) ENSC 340 Ecosystem Management & Sustainability
(3) Breadth Humanities (BHUM) (PHIL 321 recommended)
(3) 3xx-4xx Elective
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) ACS 3xx Elective
(3) ENSC 330 Environmental Health & Waste Management
(3) Interdisciplinary Studies (IS)
(3) Leadership Course+
(3) Experience Health (EH)/Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) INTG 300 Foundations of Integrative Studies
(3) ACS 4xx Elective
(3) ENSC 401 or ENSC 402 Environmental Law/Policy
(2) ENSC 499 Research
(3) Elective
14 - Total Credits

Year 4 (Spring Semester)

(3) INTG 499 Senior Assignment
(3) ENSC 440 Sustainable Environmental Practices
(1) ENSC 499
(3) Elective
(4) Elective
14 - Total Credits

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 120

Declaration into this major requires an academic plan created in consultation with the integrative studies advisor and an application submitted to the integrative studies program director.

The University requires students earning a Bachelor of Science to complete at least eight courses in the sciences (life, physical or social) (*), including, as part of those eight courses, two courses designated as labs (EL).

Students must complete 60 hours at the 200-level or above and 40 hours at the 300-level or above.

+Select one of the following courses: PSYC 320 Introduction to Industrial/Organizational Psychology, PSYC 365 Group Dynamics and Individual Behavior, PSYC 474 Organizational Psychology, or SOC 338 Sociology at Work

Sample Curriculum for the Bachelor of Science in Integrative Studies
Focus Areas: Psychology and Business Administration

Year 1 (Fall Semester)

(3) PSYC 111 Foundations of Psychology (BSS, EH)
(3) ECON 112 Principles of Microeconomics (BSS)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Information and Communication in Society (BICS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ECON 111 Principles of Macroeconomics (BSS)
(3) PSYC 206 Social Psychology (BSS)
(3) RA 101 Reasoning and Argumentation
(3) Life, Physical, or Social Science with Lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) ACCT 200 Fundamentals of Financial Accounting
(3) Breadth Fine and Performing Arts (BFPA)
(3) Breadth Life Science (BLS)
(3) 2xx+ Elective
(3) Life, Physical, or Social Science with Lab (EL)
15 - Total Credits

Year 2 (Spring Semester)

(3) QR 101 Quantitative Reasoning
(3) PSYC 208 Cognitive Psychology (BSS)
(3) Breadth Humanities (BHUM)
(3) Breadth Physical Science (BPS)
(3) 2xx+ Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) MGMT 330 Understanding the Business Environment
(3) PSYC 3xx-4xx
(3) 3xx-4xx Elective
(3) 2xx+ Elective
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) MGMT 331 Managing Group Projects
(3) +PSYC 365 or PSYC 320 Leadership course
(3) 3xx-4xx Business Elective
(3) 3xx-4xx Elective

(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) INTG 300 Foundations of Integrative Studies
(3) PSYC 4xx
(3) 3xx-4xx Business Elective
(3) Interdisciplinary Studies (IS)
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) INTG 400 Integrative Studies Senior Project
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) 3xx-4xx Elective
(3) PSYC 491 Research
15 - Total Credits

Total Hours 120

Notes: Declaration into this major requires an academic plan created in consultation with the integrative studies advisor and an application submitted to the integrative studies program director.

The University requires students earning a Bachelor of Science to complete at least eight courses in the sciences (life, physical, or social) (*), including, as a part of those eight courses, two courses designated as labs (EL).

Students must complete 60 hours at the 200-level or above and 40 hours at the 300-level or above.

+Select one of the following courses: PSYC 320 Introduction to Industrial/Organizational Psychology, PSYC 365 Group Dynamics and Individual Behavior, PSYC 474 Organizational Psychology

International Studies

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the International Studies major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the International Studies major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the International Studies major in the College of Arts & Sciences.

Students wishing to declare the major are encouraged to consult with the International Studies Program. Students declaring the major must select, upon consultation with the program director and the program advisor, one of the three concentration areas and a minor.

Degree Requirements

The international studies major is an interdisciplinary 120-hour course of study. To earn a degree in international studies from SIUE, students must complete all general education and specific program and concentration requirements, as follows:

- A 36 credit hour university general education requirement (including a choice of an IS course with a global focus)
- A foreign language requirement (demonstration of a foreign language equivalent to passing the intermediate level of college-level courses, which can be achieved through 16 credit hours of foreign language courses)
- A 42 credit hour major requirement, including:
  - 12 credit hours of core courses
  - 6 credit hours of international travel study
  - 24 credit hours of major electives
- An 18 credit hour minor
- Additional general electives adding up to the 120-hour course of study

Foreign Language Requirement

Students majoring in international studies must demonstrate knowledge of a foreign language equivalent to passing the intermediate level of college-level courses, which can be achieved through 16 credit hours of foreign language courses.

High school students who plan to major in international studies at SIUE are highly recommended to complete at least three to four years of a foreign language.

New students at SIUE with an interest in international studies, as well as community college students who want to transfer to SIUE’s international studies program, should plan to take four semesters of foreign language coursework prior to declaring the international studies major.

Study Abroad Requirement

This major requires six credit hours of international travel study, either for the duration of a semester or during a summer session, and thus immersion in a foreign culture and firsthand exposure to international issues. The international travel study must be chosen in consultation with the international studies program director and international studies advisor.

Core Courses (18 credit hours)

International studies majors complete the following core courses:

INTS 200 Essentials of International Studies

The course is designed to introduce students to the interdisciplinary character of international studies and to acquaint them with the major trends and themes in global affairs today. International studies topics are approached from a variety of disciplinary perspectives.

GEOG 201 World Regions

This course offers a survey of major world areas in terms of population, settlement, and related human occupancy patterns.

POLS 370 Introduction to International Relations

The course provides an overview of the past and current nation-state system, addressing power, national interests, foreign policy processes, war, international law and organizations, global problems and prospects

INTS 499 International Studies Senior Assignment

The course is designed to provide a capstone experience for the students in the interdisciplinary major of International Studies. It provides an opportunity to conduct research on an international studies topic selected by the student, connected to a concentration area and linking specific disciplinary and geographic foci.

Elective Courses (24 credit hours)

Major electives must be selected in such a way as to be pertinent to the concentration area of interest to each student, in consultation with the international studies program director and international studies advisor.

Below are suggested elective courses:

- INTS 400 - Internship in International Studies (6 credit hours)
- INTS 401 - Independent Project in International Studies (3 credit hours)
- An internship with an international focus (INTS 400) and an independent project with an international focus (INTS 401) are not required but highly encouraged as major electives.

Anthropology

- ANTH 111B - Human Culture and Communication
- ANTH 202 - Anthropology Through Film and Fiction
- ANTH 204 - Anthropology of the Paranormal through Popular Media
- ANTH 205 - Introduction to Native American Studies
- ANTH 206 - Anthropology of Disasters
- ANTH 305 - People and Cultures of Native North America
- ANTH 308 - Religion and Culture
- ANTH 312 - Contemporary Native Americans
- ANTH 332 - Ancient Cities of the Tigris, Euphrates, and Beyond
- ANTH 333 - Aztec, Maya, and Inca Origins
- ANTH 334 - Food and Cultural Change
- ANTH 340 - Environmental Anthropology
- ANTH 352 - Medical Anthropology
- ANTH 359 - Legal Anthropology
- ANTH 404 - Anthropology and the Arts
- ANTH 405 - Alternative Tourisms
- ANTH 411 - Urban Anthropology
- ANTH 435 - Living Cultural Heritage

Applied Communications Studies

- ACS 210 - Interracial Communication
- ACS 213 - Introduction to Public Relations
- ACS 270 - Risk and Crisis Communication
- ACS 304 - Conflict Management and Communication
- ACS 311 - Intercultural Communication
- ACS 331 - Gender and Communication
- ACS 413 - Case Studies in Public Relations
- ACS 416 - International Public Relations
- ACS 431 - Public Relations Visual Communication
- ACS 434 - Nonverbal Communication

Art and Design

- ART 225A - History of Western Art: Prehistoric through Medieval
- ART 225B - History of Western Art: Renaissance to Present
- ART 424 - Baroque Art
- ART 447A - Ancient Art
- ART 447B - Ancient Art: Greek High Classic to Rome
- ART 448 - Early Christian and Medieval Art

- ART 449 - Italian Renaissance Art
- ART 451 - Northern Renaissance Art
- ART 467 - Islamic Art and Architecture
- ART 468A - Native Arts of the Americas
- ART 468B - Native Arts of the Americas: North America
- ART 469A - Art of Africa
- ART 469B - Art of Oceania
- ART 470 - Topics in Art History
- ART 471 - Topics in Renaissance and Baroque Art
- ART 472 - Topics in Modern Art
- ART 473 - Women in Art
- ART 474 - Topics in Public Art
- ART 475 - History of Photography
- ART 476 - History of Modern Architecture & Design
- ART 480 - American Art
- ART 481 - Modern Art
- ART 482 - Contemporary Art

Biological Sciences

- BIOL 205 - Human Diseases
- BIOL 330 - Environmental Health
- BIOL 365 - Ecology
- BIOL 371 - Plants and Civilization
- BIOL 435 - Ecological Risk Assessment
- BIOL 462 - Biogeography
- BIOL 463 - Conservation Biology
- BIOL 465 - Aquatic Ecosystems
- BIOL 466 - Terrestial Ecosystems
- BIOL 468 - Pollution Ecology
- BIOL 470 - Field Biology

Criminal Justice

- CJ 311 - Perspectives on Terrorism
- CJ 348- Law and Society
- CJ 366 - Race and Class in Criminal Justice
- CJ 367 - Gender and Criminal Justice
- CJ 490 - Cybercrime

Economics

- ECON 111 - Principles of Macroeconomics
- ECON 112 - Principles of Microeconomics
- ECON 301 - Consumer and Firm Decision-making
- ECON 302 - Economic Growth and Stability
- ECON 327 - Social Economics: Issues of Income, Employment, and Social Policy
- ECON 461 - International Economics
- FIN 450 - International Finance

English Language & Literature

- ENG 207 - Language Awareness
- ENG 214 - Topics in World Literature: Ancient to Medieval
- ENG 215 - Topics in World Literature: Renaissance to Modern
- ENG 315 - Literature and Sustainability
- ENG 340 - Topics in Global Literatures
- ENG 344 - Topics in Ethnic Literature
- ENG 370 - Morphological Analysis
- ENG 400 - Principles of Linguistics
- ENG 410 - Rhetoric, Writing, and Citizenship
- ENG 412 - Digital Literacies
- ENG 416 - Language and Society
- ENG 420 - Topics in Film Studies
- ENG 457 - Topics in Postcolonial Literature and Criticism
- ENG 468 - Second Language Acquisition
- ENG 472 - Assessment and Testing in English as a Second Language
- ENG 474 - Bilingualism and Bilingual Education
- ENG 478 - Studies in Women, Language, and Literature
- ENG 488 - Rhetoric, Politics, and the Law

Environmental Sciences

- ENSC 111 - Survey of Environmental Studies and Sustainability
- ENSC 125 - Topics of Environmental Health and Toxicology
- ENSC 210 - Applied Research Methods
- ENSC 220 - Principles of Environmental Sciences
- ENSC 220L - Principles of Environmental Sciences Laboratory
- ENSC 330 - Environmental Health
- ENSC 340 - Ecosystem Management and Sustainability
- ENSC 401 - Environmental Policy
- ENSC 402 - Environmental Law
- ENSC 431- Environmental Toxicology
- ENSC 435 - Ecological Risk Assessment
- ENSC 440 - Sustainable Environmental Practices
- ENSC 473 - Occupational Health

Foreign Languages & Literature

- FL 111A - Introduction to Foreign Studies: French

- FL 111B - Introduction to Foreign Studies: German
- FL 111C - Introduction to Hispanic Civilization
- FL 111D - Introduction to Foreign Studies: Chinese
- FL 111E - Introduction to Foreign Studies: The French Speaking World
- FL 111F - Latin American Culture
- FL 220 - Brazilian History through Film
- FL 345 - Literature in Translation
- FL 491 - Cultural and Language Workshop
- FR 311 - Contemporary France
- FR 312 - Quebecois Culture and Literature
- FR 320 - Advanced French Conversations
- FR 351 - Survey of French Literature: Middle Ages through Classicism
- FR 352 - Survey of French Literature: Enlightenment to Present
- FR 353 - Survey of French Novel
- FR 377 - French Culture Through Cinema
- FR 402 - Business French
- FR 451 - Studies in French Literature: Middle Ages through Renaissance
- FR 452 - Studies in French Literature: Classicism through Enlightenment
- FR 453 - Studies in French Literature: Romanticism to Present
- FR 455 - French Drama
- FR 456 - Seminar on Women Writers
- FR 457 - African & Caribbean Literature of French Expression
- FR 491 - Cultural and Language Workshop: French
- GER 304 - German in Commerce and Government
- GER 311 - German Culture
- GER 320 - Advanced German Conversation
- GER 351 - Survey of German Literature: Middle Ages through Romanticism
- GER 352 - Survey of German Literature: Realism to Present
- GER 353A - Survey of a German Genre: Poetry
- GER 353B - Survey of a German Genre: Novelle
- GER 353C - Survey of a German Genre: Drama
- GER 402 - Business German
- GER 411 - German Civilization
- GER 452 - Faust
- GER 453 - Seminar in German Literature
- GER 491 - Cultural and Language Workshop: German
- ITAL 220 - Intermediate Italian Conversation
- SPAN 302 - Advanced Spanish - Introduction to Literature
- SPAN 305 - Computer Assisted Written Translation
- SPAN 307 - Business Spanish
- SPAN 309 - Medical Spanish
- SPAN 311 - Contemporary Spain
- SPAN 312 - Contemporary Spanish America
- SPAN 320 - Advanced Spanish Conversation
- SPAN 351 - Survey of Spanish Literature: Peninsular
- SPAN 352 - Survey of Spanish-American Literature: Colonial Period until the Present
- SPAN 353 - Survey of Drama in the Spanish Language
- SPAN 412A - U.S.A. Hispanics: Mexican Americans
- SPAN 412B - U.S.A. Hispanics: Cuban & Puerto Rican Americans
- SPAN 440 - Contemporary Spanish American Cinema
- SPAN 451 - Studies in Spanish Literature: Beginnings through 17th Century
- SPAN 452 - Studies in Spanish Literature: 17th through 20th Centuries
- SPAN 453 - Seminar in Hispanic Literature
- SPAN 471 - Spanish-American Literature: Short Stories and Novel
- SPAN 491 - Cultural and Language Workshop: Spanish

Geography

- GEOG 202 - Natural Resource Management and Sustainability
- GEOG 205 - Human Geography
- GEOG 300 - Population Geography
- GEOG 301 - Economic Geography
- GEOG 303 - Introduction to Urban Geography
- GEOG 314 - Climatology
- GEOG 316 - Introduction to Biogeography
- GEOG 330 - Geography of Europe
- GEOG 332 - Geography of Africa
- GEOG 333 - Geography of Asia
- GEOG 334 - Geography of Latin America
- GEOG 335 - Geography of North America
- GEOG 401 - Geography of Development
- GEOG 402 - Cultural Landscape
- GEOG 403 - Advanced Urban Geography
- GEOG 404 - Medical Geography

- GEOG 405 - Geography of Food
- GEOG 406 - Political Geography
- GEOG 416 - Conservation Biogeography
- GEOG 430 - Global Climate Change
- GEOG 453 - Topics in Regional Geography

History

- HIST 111A - History of Western Civilization I: Prehistory to 500 AD
- HIST 111B - History of Western Civilization II: 500-1715
- HIST 111C - History of Western Civilization III: 1715-Present
- HIST 112A - World History to 1500
- HIST 112B - World History: 1500 to Present
- HIST 210A - Early Asian History
- HIST 210B - Comparative Asian Civilizations: 1600 to Present
- HIST 211A - History of Africa: Prehistoric to Colonial Times
- HIST 211B - History of Africa: Colonial Times to the Present
- HIST 212A - Islamic History, 600-1800
- HIST 212B - Modern Middle East
- HIST 213A - History of Latin America: From Pre-Columbian Civilizations to the Mid-Nineteenth Century
- HIST 213B - History of Latin America: From the Mid-19th Century to the Present
- HIST 308A - Imperium and Christianity: Western Europe 300-1000 C.E.
- HIST 308B - Medieval Conquests and Kingdoms: 1000-1500 C.E.
- HIST 313 - Monsters, Magic, and the Unnatural
- HIST 315 - History of Religion in Europe
- HIST 320 - The Renaissance in Europe
- HIST 321 - Reformation Europe: 1500-1648
- HIST 332 - Women, Health, and Science in History
- HIST 354 - History of the Ottoman Empire, 1300-1924
- HIST 356B - History of China: 1644 to the Present
- HIST 358 - History of Japan
- HIST 415 - Modern German History
- HIST 416 - World War I and Its Aftermath: 1914 - 1921
- HIST 418 - World War II
- HIST 420B - European Social, Cultural, and Intellectual History: French Revolution to Present
- HIST 422A - Late Modern Europe: Vienna Congress to the Great War
- HIST 422B - Late Modern Europe: World War I through World War II
- HIST 422C - Late Modern Europe: Europe since World War II
- HIST 423A - Trail of Tears: Native American History from Columbus to Removal
- HIST 423B - Indian Wars, Progressives and Casinos: Native American History from Removal to Present
- HIST 424 - History of the Holocaust
- HIST 427 - History of South Africa
- HIST 428 - Topics in European Women’s History
- HIST 439 - Aid to Africa: Humanitarianism and Development in African History
- HIST 452 - Native American Women
- HIST 455 - Women and Gender in Islamic History

Humanities

- HUM 310A - Esperanto

Mass Communication

- MC 201 - Mass Media in Society
- MC 351 - Women in Mass Communications
- MC 403 - Cultural Studies in Media
- MC 452 - New Media and Technology
- MC 453 - Transnational Media
- MC 478 - International Advertising

Music

- MUS 111 - Introduction to Music History/Literature
- MUS 105 - World Music Ensemble (1 credit option)
- MUS 267, 367A, 367B - History of Music I, II, III (2 credits each)
- MUS 305 - Non-Western Music
- MUS 337 - Evolution of Jazz Styles
- MUS 338 - Introduction to Jazz

Philosophy

- PHIL 222 - Environmental Ethics
- PHIL 225 - Contemporary Moral Issues
- PHIL 226 - Philosophy and Film
- PHIL 228 - Philosophy and Literature
- PHIL 231 - Philosophy, Science, and Religion
- PHIL 233 - Philosophy in Diverse Cultures

- PHIL 234 - World Religions
- PHIL 235 - Existentialism
- PHIL 300 - Classical Greek Philosophy
- PHIL 301 - Medieval Western Philosophy
- PHIL 302 - Hellenistic Philosophy
- PHIL 303 - Nineteenth Century Western Philosophy
- PHIL 304 - Eighteenth Century Philosophy
- PHIL 307 - Seventeenth Century Philosophy
- PHIL 308 - Twentieth Century European Philosophy
- PHIL 335 - Islamic Thought
- PHIL 336 - Christian Thought
- PHIL 337 - American Indian Thought
- PHIL 340 - Social & Political Philosophy
- PHIL 343 - Philosophy of Law
- PHIL 344 - Women and Values
- PHIL 347 - Philosophy of Race
- PHIL 348 - Law and Society
- PHIL 355- Philosophy of Language
- PHIL 440 - Classical Political Theory
- PHIL 441 - Modern Political Theory

Physics

- PHYS 115 - Energy and the Environment

Political Science

- POLS 150 - Introduction to Comparative Politics
- POLS 344 - Urban Politics
- POLS 350 - Western European Political Systems
- POLS 351 - Eastern European Political Systems in Transition
- POLS 352 - Politics of Development
- POLS 353 - Politics of the Middle East
- POLS 354 - Women and Cross-National Politics
- POLS 355 - Political Systems of Latin America
- POLS 356 - Political Systems of Asia
- POLS 371 - International Political Economy
- POLS 392 - Law and Society
- POLS 425 - Environmental Public Policy and Administration
- POLS 446 - Gay and Lesbian Politics
- POLS 451 - Comparative Law and Courts
- POLS 453 - Ethnic Conflict
- POLS 459 - Topics in Comparative Politics
- POLS 472 - International Organizations
- POLS 473 - United States Foreign Policy
- POLS 479 - Topics in International Relations
- POLS 497 - Environmental Law

Social Work

- SOCW 301 - Introduction to Social Welfare Policy
- SOCW 302 - Human Behavior in the Social Environment I
- SOCW 303 - Human Behavior in the Social Environment II
- SOCW 390 - Diversity and Issues of Social and Economic Justice
- SOCW 401 - Social Welfare Policy Analysis
- SOCW 430 - Integrating Spirituality and Religion in Social Work Practice
- SOCW 440 - International & Global Issues in Social Work
- SOCW 454 - Disability in Society

Sociology

- SOC 111 - Introduction to Sociology
- SOC 300 - Social Problems
- SOC 304 - Race and Ethnic Relations
- SOC 308 - Gender and Society
- SOC 309 - Social Class and Inequality
- SOC 310 - The Sociological Study of Sexualities and Society
- SOC 323 - Sustainability in Organizations
- SOC 325 - Creating Social Change
- SOC 334 - Sociology of Food
- SOC 335 - Urban Sociology
- SOC 360 - Sociology of Immigration
- SOC 383 - Medicine, Health, & Society
- SOC 411 - Social Movements
- SOC 423 - Social Justice and Leadership
- SOC 470 - Sociology of Deviance
- SOC 474 - Victims and Society

Theater and Dance

- THEA 111 - The Dramatic Experience
- THEA 141 - Film Analysis
- THEA 201A, B - Core: History of the Theater
- THEA 312 - Multi-Cultural Thea & Danc
- THEA 399 - Special Topics in Theatre: Study Abroad in London

Women's Studies

- WMST 300 - Women's Health
- WMST 308 - Gender & Society
- WMST 313 - Women in Cross-Cultural Perspective
- WMST 332 - Women, Health, Science in History

- WMST 345 - Women, Knowledge, and Reality
- WMST 353 - Representing Women's Bodies 300-1500
- WMST 354 - Women and Cross-National Politics
- WMST 428 - Topics in European Women's History
- WMST 456 - Seminar on Women Writers
- WMST 473 - Women in Art

Recommended IS Courses

- IS 303 - The Greatest Motion Pictures
- IS 305 - Native American Studies
- IS 306 - Myth and Music
- IS 309 - Cultural History of Popular Music
- IS 310 - Meditation and Mindfulness: Mind, Body and Society
- IS 324 - People and Cultures of the East
- IS 328 - History and Science
- IS 331 - Mind and Language
- IS 333 - Diversity, Culture, and Comic Books
- IS 334 - Natural Resources: Issues & Conflicts
- IS 336 - Global Problems and Human Survival
- IS 340 - The Problem of War and Peace
- IS 342 - Death and Dying
- IS 343 - Contemporary Health Care Issues
- IS 344 - Global History of Nursing and Healthcare
- IS 353 - Representing Women's Bodies 300-1500
- IS 354 - Islam and Politics
- IS 361 - Music: Art and Science
- IS 363 - Living Ecologically
- IS 364 - The Atomic Era: Hitler, the Holocaust and the Bomb
- IS 370 - History of Museums
- IS 372 - Understanding Violence in the Human Community
- IS 375 - Technology and Public Policy
- IS 376 - Information Technology and Society
- IS 380 - Broadway Beat: Style in American Musical Theatre
- IS 386 - Cyberarts: Exploring Fine Arts & Computer Technology
- IS 400 - History, Culture and Language of China
- IS 403 - Global Health
- IS 444 - Deconstructing Race, Class, and Gender in the Media
- GBA 383 - Business and Society

Elective courses may be selected from an array of academic areas, including anthropology, applied communication studies, art and design, biological sciences, criminal justice, economics, English language and literature, environmental sciences, foreign languages and literature, geography, history, humanities, mass communications, music, philosophy, physics, political science, public administration and policy analysis, social work, sociology, theater and dance, and interdisciplinary studies (IS).

Degrees Available at SIUE

- Bachelor of Arts, International Studies

Graduation Requirements

To graduate, students must:

- Receive a grade of C or better in all major coursework
- Complete all requirements for the academic minor
- Have a cumulative GPA of 2.0 or above in coursework completed at SIUE
- File an application for graduation by the first day of the term in which the student plans to graduate.

Sample Curriculum for the Bachelor of Arts in International Studies

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(4) **Foreign Language 101** (FL, BICS, EREG)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(4) **Foreign Language 102** (FL)
(3) Breadth Humanities (BHUM)
(3) Breadth Life Sciences with Lab Experience (BLS, EL)
(1) Health Experience (EH)
14 - Total Credits

Year 2 (Fall Semester)

(3) INTS 200 Essentials of International Studies
(4) Foreign Language 201 (FL)
(3) **GEOG 201** World Regions (BSS)
(3) QR 101 Quantitative Reasoning
(3) Breadth Physical Science (BPS)
16 - Total Credits

Year 2 (Spring Semester)

(3) POLS 270 Intro to International Relations
(4) Foreign Language 202 (FL)
(3) RA 101 Reasoning & Argumentation
(3) INTS Elective**
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(3) IS Course (one of the recommended)
(6) INTS Electives** or International Travel Study
(3) Minor
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) INTS Elective**
(6) INTS Electives** or International Travel Study
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(6) INTS Electives** or International Travel Study
(3) INTS Elective**
(3) Minor
(3) General Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) INTS 499 Senior Assignment
(3) Minor
(3) Minor/Elective
(3) Elective
12 - Total Credits

Total Hours 120

Notes: A grade of C or better is required in all international studies courses.

**INTS Majors - INTS electives are selected from accompanying course list and will vary depending on the concentration being pursued.

Bachelor of Arts requires completion of eight courses in fine and performing arts or humanities, including two semesters of the same foreign language.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact. Visit the transfer credit website to find course equivalency guides.

Liberal Studies

Admission Requirements

Once a student is admitted to the university, they must develop a degree completion plan in consultation with either the Liberal Studies program director or the Liberal Studies major advisor.

Transfer

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet.

Transfer students are eligible to declare a major in the Bachelor of Liberal Studies upon being admitted to SIUE with a minimum transfer GPA of 2.0. For more information regarding transferring to SIUE, please visit the transfer website.

Degree Requirements

Each student must develop an academic plan that satisfies the following requirements:

- Minimum total number of hours required for the degree (120 hours)
- General Education (36 hours)
- Elective Hours (81 hours)
  - Courses taken as elective hours should be designed around the student's interest toward their career and educational goals. The elective hours must be completed with an average GPA of 2.0.
- Senior Project (3 hours)
  - The Senior Project (a capstone academic experience), serving as a component in senior assessment, affords the student an opportunity for self-reflection and guided independent study. The academic breadth of the liberal studies program orients students' attention toward activities that might include, but are not limited to, a student practicum, internship, integrative research paper, presentation, or creative undertaking. A minimum grade of C in LIBS 400 is required to meet degree requirements.
- A minimum of 36 hours of upper-level (300/400 level) coursework must be completed.
- A minor is not required with the Bachelor of Liberal Studies. However, if students wish to declare a minor, students must follow the requirements outlined by the department in which the minor is located.

Retention

Students must maintain a cumulative GPA of at least 2.0 to remain in good academic standing. Students whose cumulative GPA falls below 2.0 will be placed on academic warning, but will be retained in the Bachelor of Liberal Studies major. If a student ends up being placed on academic probation, the student will be removed from the academic major.

Degrees Available at SIUE

- Bachelor of Liberal Studies

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
- One of the following University Intellectual Areas:
  - At least eight (8) courses in the fine and performing arts and humanities, including, as part of those eight courses, a two-semester sequence of a foreign language (FL)
  - At least eight (8) courses in the sciences (life, physical, or social), including, as part of those eight courses, two courses designated as labs (LAB)
- File an Application for Graduation for the term in which you wish to graduate by the deadline provided from the Office of the Registrar.

Sample Curriculum for the Bachelor of Liberal

Studies

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 145, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation or PHIL 212 Inductive Logic
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Social Science (BSS)
(3) Breadth Physical Science (BPS) with a lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) Breadth Life Science (BLS)
(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course with U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 2 (Spring Semester)

(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course or Minor course
(2) LIBS Elective course with Health Experience (EH)
(3) LIBS Elective course with Global Cultures, Race, and Equity Education (EREG)
14 - Total Credits

Year 3 (Fall Semester)

(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course
(3) LIBS Elective course or Minor course
15 - Total Credits

Year 3 (Spring Semester)

(3) LIBS Elective course
(3) LIBS Elective course or Minor course
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course or Minor Course (Upper-Level)
15 - Total Credits

Year 4 (Fall Semester)

(3) Interdisciplinary Studies (IS)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course or Minor course (Upper-Level)
15 - Total Credits

Year 4 (Spring Semester)

(3) LIBS 400 Senior Project
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course (Upper-Level)
(3) LIBS Elective course or Minor course (Upper-Level)
15 - Total Credits

Total Hours 120

Students must complete at least eight (8) courses in the fine and performing arts and humanities, including, as part of those eight courses, a two (2) semester sequence of a foreign language or at least eight (8) courses in the sciences (life, physical, or social), including, as part of those eight courses, two (2) courses designated as labs (LAB).

Mass Communications

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Mass Communications (MC) major in the College of Arts & Sciences (CAS). Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 credit hours in courses at regionally accredited institutions are admissible in good standing, provided they have earned a minimum cumulative 2.0 (C) grade-point average in such course work at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 credit hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Mass Communications major in the College of Arts & Sciences.

Students who choose to take one or more classes at another institution and apply that credit to an SIUE degree should obtain prior approval for the course from the appropriate academic advisor to make sure the course is acceptable for program credit.

- Mass Communications majors: A maximum of 18 credit hours of transferred mass communications coursework could be applied to the Mass Comm degree program
- Mass Communications minors: A maximum of nine credit hours of transferred mass communications coursework could be applied to 18-hour program.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BA or BS in Mass Communications**
- **MS in Media Studies**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in mass communications (other majors considered on an individual basis)
- Maintain a minimum 3.25 cumulative undergraduate GPA
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
   - Three letters of recommendation by faculty from Department of Mass Communications
   - Statement of purpose: No more than two pages addressing the applicant's qualifications for the accelerated program and the role the program plays in their personal and professional goals.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in media studies requires that students complete 6-12 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to

both the BS/BA in mass communications and the MS in media studies.

Senior Year (Fall Semester)

(3) MC 401 Media Law & Policy - **shared credit**
(3) MC 455 Media Ethics - **shared credit**
(3) Life, Physical or Social Science
(3) Life, Physical or Social Science
(3) Health Experience
15 Total Credits

Senior Year (Spring Semester)

(3) MC 403/503 Cultural Studies in Media - **shared credit**
(3) MC 481 Internship/Senior Portfolio
(3) MC 400-level Elective - **shared credit**
(3) Minor/Elective
(3) Elective
15 Total Credits

Graduate Year (Fall Semester)

(3) MC 500 Mass Communication Theory
(3) MC 501 Research Methods for Mass Communications
(3) MC Graduate Elective
9 Total Credits

Graduate Year (Spring Semester)

(3) MC 502 Media Campaigns
(3) MC Graduate Elective
(3) MC Graduate Elective
Comprehensive Exam
9 Total Credits

See the graduate catalog for media studies and mass communications (MC) course descriptions.

Retention Requirements

Students must maintain a cumulative overall GPA of 3.0.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

General Education (42-44 hours)

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline.

Mass Communications Requirements

Introductory Core Requirements (9 hours)

- MC 201, MC 202 and MC 204

Intermediate Core (6 Credits)
Choose any two courses in consultation with the Mass Communications Department Advisor

- MC 301, MC 327, MC 331, MC 333, MC 334; MC 332, MC 342

Advanced Core (15 hours)

- MC 401, MC 403, MC 451, MC 455, and MC 481

Professional Specialization (15 hours)

Choose one of the following mass communications specializations:

Advertising and Strategic Media

- MC 325, MC 389, MC 422

Plus, *two* relevant elective courses chosen in consultation with a Mass Communications Department Advisor.

- MC 321, MC 326, MC 328, MC 334, MC 342, MC 402, MC 421, MC 440, MC 441, MC 449, MC 472 or MC 478

If a student has already taken one of these courses as part of their Intermediate Core, that course may not be counted as an elective under the Advertising and Strategic Media specialization.

Journalism

- MC 322, MC 324

Plus, *three* relevant elective courses chosen in consultation with a Mass Comm Department Advisor.

- MC 321, MC 328, MC 330, MC 332, MC 341, MC 342, MC 424, MC 447, MC 453, MC 454 or MC 472

If a student has already taken one of these courses as part of their Intermediate Core, that course may not be counted as an elective under the Journalism

specialization.

Media Production

- MC 330

Plus, *four* relevant elective courses chosen in consultation with a Mass Communications Department Advisor.

- MC 301, MC 328, MC 331, MC 332, MC 333, MC 334, MC 342, MC 402, MC 431, MC 435, MC 433, MC 443, MC 453, MC 454 or MC 456

If a student has already taken one of these courses as part of their Intermediate Core, that course may not be counted as an elective under the Media Production specialization.

Minor Outside of Mass Communications (18-21 hours)

Only mass communications courses in which the student receives a grade of C or better will be accepted for credit toward completion of the mass communications major or minor.

Retention

Mass communications majors must maintain a 2.0 overall GPA.

Students may attempt (complete a course and receive a grade) only twice. If a student fails to achieve a grade of C or better in a course after a second attempt, they must petition the Department of Mass Communications faculty for the opportunity to attempt the course again.

Degrees Available at SIUE

- Bachelor of Arts, Mass Communications
- Bachelor of Science, Mass Communications Specialization is required in one of the following:
  - Journalism
  - Media Production
  - Advertising and Strategic Media

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - Bachelor of Arts only: Eight courses in fine & performing arts and humanities including two semesters of the same foreign language.
- File an Application for Graduation by the first day of the term in which you plan to graduate.

Mass Communications Minor

The mass communications minor requires MC 201 and 202 and additional courses selected in consultation with a departmental minor advisor for a total of 21 hours.

Sample Curriculum for the Bachelor of Science in Mass Communications

Year 1 (Fall Semester)

(3) **MC 201** Mass Media in Society
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **MC 202** Writing for the Media
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) Breadth Social Science (BSS)
(3) Breadth Life Science (BLS) with a lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) **MC 204** Intro to Audio & Video Production
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Physical Science (BPS)
(3) Minor
(3) Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) MC Professional Option
(3) MC Professional Option
(3) MC Professional Option
(3) Minor
(3) MC Elective
15 - Total Credits

Year 3 (Fall Semester)

(3) MC Professional Option
(3) MC 451 Research Methods
(3) Minor
(3) Minor
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Spring Semester)

(3) MC Professional Option
(3) MC Professional Option
(3) Interdisciplinary Studies (IS)
(3) Life, Physical or Social Science
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) MC 401 Media Law & Policy
(3) MC 455 Media Ethics (BHUM)
(3) Life, Physical or Social Science
(3) Life, Physical of Social Science
(2) Health Experience (EH)
14 - Total Credits

Year 4 (Spring Semester)

(3) MC 403 Cultural Studies in Media
(3) MC 481 Internship/Senior Portfolio
(3) MC Elective
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Total Hours 120

Notes: Students wishing to obtain a Bachelor of Arts may do so by taking eight courses in fine and performing arts or humanities to include two semesters of the same foreign language.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mass Communications, Advertising and Strategic Media

Year 1 (Fall Semester)

(3) **MC 201** Mass Media in Society
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **MC 202** Writing for the Media
(3) ENG 102 English Composition II

(3) RA 101 Reasoning & Argumentation
(3) U.S. Race, Gender, and Equity (ERGU)
(3) Breadth Life Science (BLS) with a lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) **MC 204** Intro to Audio & Video Production
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Physical Science (BPS)
(3) Minor
(3) Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) MC 325 Fundamentals of Advertising
(3) MC Intermediate Core
(3) MC Intermediate Core
(3) Breadth Social Science (BSS)
(3) Minor
15 - Total Credits

Year 3 (Fall Semester)

(3) MC 389 Media Planning
(3) MC 422 Strategic Media Writing
(3) Minor
(3) Minor
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Spring Semester)

(3) MC 451 Research Methods
(3) MC Professional Option
(3) Interdisciplinary Studies (IS)
(3) Life, Physical or Social Science
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) MC 401 Media Law & Policy
(3) MC 455 Media Ethics (BHUM)
(3) Life, Physical or Social Science
(3) Life, Physical of Social Science
(2) Health Experience (EH)
14 - Total Credits

Year 4 (Spring Semester)

(3) MC 403 Cultural Studies in Media
(3) MC 481 Internship/Senior Portfolio
(3) MC Professional Option
(3) Minor/Elective
(3) Life, Physical or Social Science/Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Total Hours 120

Notes: Students wishing to obtain a Bachelor of Arts may do so by taking eight courses in fine and performing arts or humanities to include two semesters of the same foreign language.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mass Communications, Journalism

Year 1 (Fall Semester)

(3) **MC 201** Mass Media in Society
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **MC 202** Writing for the Media
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) U.S. Race, Gender, and Equity (ERGU)
(3) Breadth Life Science (BLS) with a lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) **MC 204** Intro to Audio & Video Production
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Physical Science (BPS)
(3) Minor
(3) Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) MC 322 Copy Editing for the Media
(3) MC Intermediate Core
(3) MC Intermediate Core
(3) Breadth Social Science (BSS)
(3) Minor
15 - Total Credits

Year 3 (Fall Semester)

(3) MC 324 Public Affairs Reporting
(3) MC 451 Research Methods in Mass Media
(3) Minor
(3) Minor
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Spring Semester)

(3) MC Professional Option
(3) MC Professional Option
(3) Interdisciplinary Studies (IS)
(3) Life, Physical or Social Science
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) MC 401 Media Law & Policy
(3) MC 455 Media Ethics (BHUM)
(3) Life, Physical or Social Science
(3) Life, Physical of Social Science
(2) Health Experience (EH)
14 - Total Credits

Year 4 (Spring Semester)

(3) MC 403 Cultural Studies in Media
(3) MC 481 Internship/Senior Portfolio
(3) MC Professional Option
(3) Minor/Elective
(3) Life, Physical or Social Science/Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Total Hours 120

Notes: Students wishing to obtain a Bachelor of Arts may do so by taking eight courses in fine and performing arts or humanities to include two semesters of the same foreign language.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mass Communications, Media Production

Year 1 (Fall Semester)

(3) **MC 201** Mass Media in Society
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)

(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **MC 202** Writing for the Media
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) U.S. Race, Gender, and Equity (ERGU)
(3) Breadth Life Science (BLS) with a lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) **MC 204** Intro to Audio & Video Production
(3) Breadth Information & Communication in Society (BICS)
(3) Breadth Physical Science (BPS)
(3) Minor
(3) Minor
15 - Total Credits

Year 2 (Spring Semester)

(3) MC 330 Advanced Media Writing
(3) MC Intermediate Core
(3) MC Intermediate Core
(3) Breadth Social Science (BSS)
(3) Minor
15 - Total Credits

Year 3 (Fall Semester)

(3) MC Professional Option
(3) MC 451 Research Methods in Mass Media
(3) Minor
(3) Minor
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Spring Semester)

(3) MC Professional Option
(3) MC Professional Option
(3) Interdisciplinary Studies (IS)
(3) Life, Physical or Social Science
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) MC 401 Media Law & Policy
(3) MC 455 Media Ethics (BHUM)
(3) Life, Physical or Social Science
(3) Life, Physical of Social Science
(2) Health Experience (EH)
14 - Total Credits

Year 4 (Spring Semester)

(3) MC 403 Cultural Studies in Media
(3) MC 481 Internship/Senior Portfolio
(3) MC Professional Option
(3) Minor/Elective
(3) Life, Physical or Social Science/Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Total Hours 120

Notes: Students wishing to obtain a Bachelor of Arts may do so by taking eight courses in fine and performing arts or humanities to include two semesters of the same foreign language.

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed or math) degree from an IAI community college. If 'Minor' requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Mathematics And Statistics

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete degrees in five academic years.

- **BS in Mathematical Studies**
- **MS in Mathematics with Specialization in Computational and Applied Mathematics**

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in Mathematics
- Maintain a minimum 3.25 undergraduate GPA in all mathematics, operations research and statistics courses
- Within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission and application materials.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

MS in Mathematics with Specialization in Computational and Applied Mathematics

Senior Year (Fall Semester)

(2) MATH 498
(3) Breadth Course (BHUM)
(3) Elective
(3) MATH/STAT/OR Elective - **shared credit***
(3) MATH/STAT/OR Elective - **shared credit***
14 Total Credits

Senior Year (Spring Semester)

(2) MATH 499
(6) Electives
(3) MATH/STAT/OR Elective - **shared credit***
(3) MATH/STAT/OR Elective - **shared credit***
14 Total Credits

Graduate Year (Fall Semester)

(3) MATH/OR/STAT Elective
(3) MATH/OR/STAT Elective
(3) MATH/OR/STAT Elective
9 Total Credits

Graduate Year (Spring Semester)

(3) MATH/OR/STAT Elective
(3) MATH/OR/STAT Elective
(3) MATH 595 or MATH 599
9 total credit hours

*Courses with Shared Credit: MATH 451, MATH 464, MATH 462, MATH 421, MATH 450, MATH 435, STAT 480A, STAT 480B, STAT 482, OR 440, OR 441, OR 442

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Mathematical Studies major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Mathematical Studies major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s)

attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Mathematical Studies major in the College of Arts & Sciences.

Courses listed in the course equivalency guide will be transferred automatically and will apply toward degree requirements as appropriate, provided a grade of C or better was earned. For courses not included on the list, decisions are made on an individual basis. The student must provide an official detailed description of the course to the chair of the Department of Mathematics and Statistics. Students must earn at least 30 hours in residence at SIUE.

Pre-registration advisement from a faculty mentor in the Department of Mathematics and Statistics is required for all majors.

Degree Requirements

All programs offered by the Department of Mathematics and Statistics require completion of the mathematics core, which consists of the following courses:

- Mathematics 150, 152, 165, 223, 250, 305, 321, and 350
- Statistics 380
- Completion of Physics 151 and 151L (with grades of C or better) also are required for all programs

These courses total 39 hours, of which 13 hours are applicable to general education requirements. (Mathematics 150 meets the quantitative reasoning requirement, Physics 151 satisfies the physical science breadth area requirement, Physics 151L satisfies the laboratory requirement, and Statistics 380 satisfies the information and communication in society breadth area and the second laboratory experience requirement.)

All seniors are required to take MATH 498 and 499 (senior seminar and senior project), which carry two credits each. MATH 499 is graded satisfactory or unsatisfactory. Passing this course is required for graduation. The student is required to consult with a member of the mathematics/statistics faculty to prepare a proposal for a culminating project. The undergraduate program committee must approve all proposals. The completed project is evaluated by a project evaluation committee and includes both the documentation and an oral presentation by the student. Members of the faculty are invited to attend the oral presentation.

Degree Requirements BA or BS in Mathematical Studies with a Specialization in Actuarial Science

- MATH 150, 152, 165, 223, 250, 305, 321, 340, 350, 498, 499
- STAT 380, 480A, 480B, 482, 486A
- PHYS 151
- PHYS 151L
- ECON 111, 112
- ACCT 200
- FIN 320

Six hours of MATH, STAT or OR electives selected from STAT 478, STAT 485, STAT 489, or (OR 441 or OR 442).

Nine hours of computer management and information systems or finance electives

Degree Requirements BA or BS Mathematical Studies with a Specialization in Applied Mathematics

- MATH 150, 152, 165, 223, 250, 305, 321, 350, 462, 464, 498, 499
- STAT 380
- PHYS 151, 151L
- CS 140, 150, 240

Fifteen hours of MATH, STAT or OR electives at the 300 level or above

Degree Requirements BA or BS in Mathematical Studies with a Specialization in Pure Mathematics

- MATH 150, 152, 165, 223, 250, 305, 320, 321, 350, (420 or 451), 421, 435, 450, 498, 499
- STAT 380
- PHYS 151, 151L

Six hours of MATH electives at the 400 level

12 hours of MATH, STAT, or OR electives, courses from the School of Engineering, biology, chemistry, or physics at the 200 level or above

Degree Requirements BA or BS in Mathematical Studies with a Specialization in Statistics

- MATH 150, 152, 165, 223, 250, 305, 321, 350, 498, 499
- STAT 380, 480A, 480B, 482
- PHYS 151, 151L

12 hours of MATH, STAT, or OR electives (any four courses chosen from STAT 478, 481, 483, 484, 485, 486A, 488, 489; OR 440, 441, 442; MATH 462, except that only one of OR 440 or MATH 462 may be counted toward this requirement).

18 hours of supporting courses (either a minor, or nine additional hours of MATH, STAT, or OR and nine hours of supporting courses approved by the faculty mentor.)

Requirements for Students Seeking Professional Educator Licensure

- MATH 150, 152, 165, 223, 250, 305, 311, 320, 321, 350, 400, 411, 435, 498, 499
- STAT 380
- PHYS 151, 151L
- CIED 302, 303, 304, 310, 311, 312, 313, 314, 323, 455N , 456
- IT 300
- SPE 400

General Education Requirements for the Major

Students seeking majors in this department may choose to be awarded the Bachelor of Arts rather than the Bachelor of Science, provided the electives include eight hours of credit in a foreign language as well as six courses in fine and performing arts or humanities.

Students must choose from one of the five programs described above, which include four specializations in mathematical studies and a major in mathematics for secondary school teachers. Through a choice of electives, students may adjust these programs to their goals and interests.

Retention

In order to be retained, students must:

- Maintain a cumulative GPA of 2.0 in mathematics, statistics and operations research courses.
- Maintain a term GPA above 1.0 in every term.
- Not have withdrawn, received incomplete grades, or a combination of failing grades in 50% or more of the courses for which the student is registered during two successive terms.
- Not have any combination of three grades of D, F, UW, WP or WF in any single required course in mathematics, statistics or operations research.

For purposes of this department, the GPA in university mathematics/statistics/operations research courses will be computed on the basis of all courses attempted. In the case of repeated attempts on the same SIUE mathematics/statistics/operations research course, the grades for the second and all subsequent attempts will be used in computing the GPA.

For purposes of computing the GPA, the student may not use credit hours earned through proficiency, transfer, CLEP or from a course, after credit has been received for similar or more advanced coursework in the subject at SIUE or elsewhere. For readmission to the department, students must have a C or better in MATH 223, have a GPA of 2.0 or higher in all university mathematics courses, and have a GPA of 2.0 or higher in all SIUE courses taken. A student who has been dropped from the department may be readmitted at most once.

Degrees Available at SIUE

- Bachelor of Arts, Mathematical Studies
- Bachelor of Science, Mathematical Studies
  - Specializations available in the following
  - Actuarial Science
  - Applied Mathematics
  - Pure Mathematics
  - Statistics
- Professional Educator Licensure (9-12) program

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

- Complete all specific program requirements including:
  - At least 12 hours of SIUE credit in major courses numbered 300 or above with a cumulative GPA of 2.0 or higher
  - A GPA of 2.0 or higher in all mathematics, statistics, or operations research courses numbered 300 or above at SIUE within two years preceding graduation
  - At least nine hours of credit in mathematics, statistics, or operations research courses numbered 300 or above at SIUE, excluding MATH 498 and 499, within 2 years preceding graduation
- Duplicate credits earned (through proficiency, transfer, CLEP or from a course) after credit has been received for similar or more advanced coursework in the subject at SIUE or elsewhere are not applicable toward graduation. Students who receive a grade of D in any mathematics, statistics or operations research course may not count that course toward requirements for a mathematics major.
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - Bachelor of Arts: Eight courses in fine and performing arts or humanities, including one year of the same foreign language
- File an application for graduation by the first day of the term in which you plan to graduate.

Minors in Mathematics and Statistics

The department offers a minor in mathematics and a minor in statistics.

Minor in Mathematics

- MATH 150 – Calculus I
- MATH 152 – Calculus II

Nine additional hours of mathematics, statistics or operations research courses at the 200 level or above, of which six hours must be at the 300 level or above and at least three of these six hours must be from mathematics.

At least six hours of courses at the 300 level or above must be taken at SIUE. Students must receive a grade of C or better in all mathematics, statistics or operations research courses that count toward minor requirements.

Students majoring in mathematical studies may not minor in mathematics.

Minor in Statistics

- MATH 150 – Calculus I
- MATH 152 – Calculus II

Nine additional hours of statistics courses at the 300 level or above.

At least six hours of courses at the 300 level or above must be taken at SIUE. Students must receive a grade of C or better in all mathematics or statistics courses that count toward minor requirements.

Students majoring in mathematical studies may not minor in statistics.

Sample Curriculum for the Bachelor of Science in Mathematical Studies, Specialization in Actuarial Science

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(3) **ECON 111** Principles of Macroeconomics (BSS)
(3) ENG 101 English Composition I
(3) RA 101 Reasoning and Argumentation
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(5) **MATH 152** Calculus II (BPS)
(3) Breadth Humanities (BHUM)
(3) **ECON 112** Principles of Microeconomics (BSS)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 102 English Composition II

17 - Total Credits

Year 2 (Fall Semester)

(3) MATH 165 Introduction to Programming and Problem Solving
(4) **MATH 250** Calculus III (BPS)
(3) MATH 340 Theory of Interest
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
15 - Total Credits

Year 2 (Spring Semester)

(4) MATH 223 Logic and Mathematical Reasoning
(3) MATH 305 Differential Equations
(3) STAT 380 Statistics for Applications (BICS, EL)
(3) **ACCT 200** Fundamentals of Financial Accounting
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Fall Semester)

(3) MATH 321 Linear Algebra I
(3) STAT 480A Introduction to Mathematical Statistics
(3) FIN 320 Finance Management and Decision Making
(4) MATH 350 Introduction to Analysis
(3) Health Experience (EH)
16 - Total Credits

Year 3 (Spring Semester)

(3) STAT 480B Introduction to Mathematical Statistics
(3) STAT 486A Actuarial Mathematics
(3) Breadth Life Science (BLS)
(3) CMIS or FIN Elective
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 4 (Fall Semester)

(3) STAT or OR Elective
(2) MATH 498 Senior Seminar
(3) CMIS or FIN Elective
(3) STAT 482 Regression Analysis
(3) Experience U.S. Race, Gender, and Equity (ERGU)
14 - Total Credits

Year 4 (Spring Semester)

(3) CMIS or FIN Elective
(3) STAT or OR Elective
(2) MATH 499 Senior Project
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(1) Elective
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mathematical Studies, Specialization in Applied Mathematics

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(3) ENG 101 English Composition I
(3) CS 140 Introduction to Computing I
(3) RA 101 Reasoning & Argumentation
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(5) **MATH 152** Calculus II (BPS)
(3) **CS 150** Introduction to Computing II
(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103

Interpersonal Communication Skills
(3) Breadth Fine & Performing Arts (BFPA)
17 - Total Credits

Year 2 (Fall Semester)

(4) **MATH 250** Calculus III (BPS)
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
(3) CS 240 Introduction to Computing III
(3) MATH 165 Introduction to Programming and Problem Solving
15 - Total Credits

Year 2 (Spring Semester)

(3) MATH 305 Differential Equations
(3) MATH 321 Linear Algebra I
(4) MATH 223 Logic and Mathematical Reasoning
(3) Health Experience (EH)
13 - Total Credits

Year 3 (Fall Semester)

(3) STAT 380 Statistics for Applications (BICS, EL)
(3) MATH 464 Introduction to Partial Differential Equations
(3) Breadth Social Science (BSS)
(4) MATH 350 Introduction to Analysis
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 3 (Spring Semester)

(3) Breadth Life Science (BLS)
(3) MATH 462 Applied Numerical Analysis
(3) MATH, STAT or OR Elective
(3) Interdisciplinary Studies (IS)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 4 (Fall Semester)

(2) MATH 498 Senior Seminar
(3) MATH, STAT or OR Elective
(3) MATH, STAT or OR Elective
(3) Breadth Humanities (BHUM)
(4) Elective
15 - Total Credits

Year 4 (Spring Semester)

(2) MATH 499 Senior Project
(3) MATH, STAT or OR Elective
(3) MATH, STAT or OR Elective
(6) Electives
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mathematical Studies, Specialization in Pure Mathematics

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) RA 101 Reasoning & Argumentation
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(5) **MATH 152** Calculus II (BPS)
(3) ENG 102 English Composition II
(3) Breadth Social Science (BSS)
(3) Breadth Fine & Performing Arts (BFPA)
14 - Total Credits

Year 2 (Fall Semester)

(3) MATH 165 Introduction to Programming and Problem Solving
(4) **MATH 250** Calculus III (BPS)
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
(3) Breadth Humanities (BHUM)
15 - Total Credits

Year 2 (Spring Semester)

(4) MATH 223 Logic and Mathematical Reasoning
(3) MATH 321 Linear Algebra I
(3) MATH 305 Differential Equations
(3) MATH, STAT, OR, Science or Engineering Elective
(3) Experience Global Cultures, Race, and Equity Education (EREG)
16 - Total Credits

Year 3 (Fall Semester)

(3) MATH 320 Introduction to Algebraic Structures
(3) STAT 380 Statistics for Applications (BICS, EL)
(3) MATH, STAT, OR, Science or Engineering Elective
(4) MATH 350 Introduction to Analysis
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 3 (Spring Semester)

(3) Elective
(3) MATH 420 Abstract Algebra or MATH 451 Introduction to Complex Analysis
(3) MATH 421 Linear Algebra II
(3) Life Science (BLS)
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 4 (Fall Semester)

(3) 400-level MATH Elective
(2) MATH 498 Senior Seminar
(3) MATH, STAT, or OR, Science or Engineering Elective
(3) MATH 450 Real Analysis I
(3) Health Experience (EH)
14 - Total Credits

Year 4 (Spring Semester)

(3) MATH 435 Foundations of Geometry
(2) MATH 499 Senior Project
(3) MATH, STAT, or OR, Science or Engineering Elective
(3) 400-level MATH Elective
(4) Electives
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Science in Mathematical Studies, Specialization in Statistics

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) RA 101 Reasoning & Argumentation
(1) FST 101 Succeeding & Engaging at SIUE
15 - Total Credits

Year 1 (Spring Semester)

(5) **MATH 152** Calculus II (BPS)
(3) ENG 102 English Composition II
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Social Science (BSS)
(3) Supporting or Minor Course

17 - Total Credits

Year 2 (Fall Semester)

(3) MATH 165 Introduction to Programming and Problem Solving
(4) **MATH 250** Calculus III (BPS)
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
(3) Breadth Life Science (BLS)
15 - Total Credits

Year 2 (Spring Semester)

(4) MATH 223 Logic and Mathematical Reasoning
(3) MATH 305 Differential Equations
(3) STAT 380 Statistics for Applications (BICS, EL)
(3) Supporting or Minor Course
(3) Breadth Humanities (BHUM)
16 - Total Credits

Year 3 (Fall Semester)

(3) MATH 321 Linear Algebra I
(3) STAT 480A Introduction to Mathematical Statistics
(3) MATH, STAT or OR Elective
(3) Supporting or Minor Course
(4) MATH 350 Introduction to Analysis
16 - Total Credits

Year 3 (Spring Semester)

(3) Experience Health (EH)
(3) STAT 480B Introduction to Mathematical Statistics
(3) MATH, STAT or OR Elective
(3) Supporting or Minor Course
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 4 (Fall Semester)

(2) MATH 498 Senior Seminar
(3) MATH, STAT or OR Elective
(3) STAT 482 Regression Analysis
(3) Interdisciplinary Studies (IS)
(3) Supporting or Minor Course
14 - Total Credits

Year 4 (Spring Semester)

(3) MATH, STAT or OR Elective
(2) MATH 499 Senior Project
(4) Supporting or Minor Course
(3) Experience Global Cultures, Race, and Equity Education (EREG)
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for Students Seeking Professional Educator Licensure

A professional education program is a joint program made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education, Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the SEHHB student services for information about requirements for courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student; CAS advisor; department faculty mentor; and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. All mathematics, statistics and operations research courses must be at a GPA of 2.0 or higher in order to student teach in accordance to the GPA computation for the Department of Mathematics and Statistics.

No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking Professional Educator Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog or by making an appointment with an SEHHB advisor.

Sample Curriculum for the Bachelor of Science in Mathematics, Professional Educator Licensure (9-12) Option

Year 1 (Fall Semester)

(5) **MATH 150** Calculus I (FQR)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) RA 101 Reasoning & Argumentation
(1) FST 101 Succeeding & Engaging at SIUE
(0) Health Experience (EH)
15 - Total Credits

Year 1 (Spring Semester)

(5) **MATH 152** Calculus II (BPS)
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
(3) ENG 102 English Composition II
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 2 (Fall Semester)

(3) MATH 165 Introduction to Programming and Problem Solving
(4) MATH 223 Logic and Mathematical Reasoning
(4) **MATH 250** Calculus III (BPS)
(3) MATH 321 Elementary Linear Algebra
(3) Breadth Social Science (BSS)/Global Cultures, Race, and Equity Education (EREG)
17 - Total Credits

Year 2 (Spring Semester)

(4) MATH 350 Introduction to Analysis
(3) MATH 305 Differential Equations
(3) STAT 380 Statistics for Application (BICS, EL)
(3) Breadth Humanities (BHUM)
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 3 (Fall Semester)

(3) MATH 320 Introduction to Abstract Algebra
(3) MATH 400 Development of Modern Mathematics
(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication
(3) IT 300 Digital Learning and Communication
16 - Total Credits

Year 3 (Spring Semester)

(3) MATH 435 Foundations of Geometry
(3) SPE 400 The Exceptional Child
(3) MATH 311 The Teaching of Secondary Mathematics
(3) Interdisciplinary Studies (IS)
(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
16 - Total Credits

Year 4 (Fall Semester)

(3) MATH 411 The Teaching of Secondary Mathematics 2
(2) MATH 498 Senior Seminar
(1) CIED 304 Field Experience IV
(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(3) CIED 311 Differentiated Instruction
15 - Total Credits

Year 4 (Spring Semester)

(2) MATH 499 Senior Project
(2) CIED 456 9-12 Senior Seminar
(10) CIED 455N 9-12 Student Teaching - Math
14 - Total Credits

Total Hours 125

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Mechanical Engineering

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Mechanical Engineering, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BS in Mechanical Engineering**
- **MS in Mechanical Engineering**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who met the following criteria are encouraged to apply:

- Major in mechanical engineering
- Maintain a minimum 3.25 cumulative undergraduate GPA
- Maintain a minimum 2.75 undergraduate GPA in all engineering, math and physical science courses
- Be within 32 credit hours of bachelor's degree completion at intended entry term.

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in mechanical engineering requires that students complete six credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in mechanical engineering and the MS in mechanical engineering.

Senior Year (Spring Semester)

(1) ME 356L Dynamical Systems Lab
(3) ME 484 Mechanical Engineering Design II
(3) Life Science
(3) Engineering Elective
(3) ME 400-level Grad Elective I - **shared credit**
(3) ME 400-level Grad Elective II - **shared credit**
16 Total Credits

Graduate Year (Fall Semester)

Choose thesis (ME 599) or non-thesis option which requires electives and a research project.
(3) ME Grad Elective
(3) ME Grad Elective
(3) MATH Grad Elective
(3) ME 599 Thesis or ME Grad Elective
12 Total Credits

Graduate Year (Spring Semester)

(3) ME 530 Advanced Dynamics or ME 575 Advanced Fluid Mechanics
(3) MATH Grad Elective
(3) Grad Elective
(3) ME 599 Thesis or ME Grad Elective
12 Total Credits

See the graduate catalog for mechanical engineering (ME) and mathematics (MATH) course descriptions.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Bachelor of Science in Mechanical Engineering

Breadth - Physical Science Courses

- CHEM 131 (or 121A), 135 (or 125A)
- MATH 152, 250, 305
- PHYS 141, 151L, 142, 152L

Breadth - Information & Communication in Society Course

- STAT 380

Breadth

- Fine & Performing Arts (3 hours)
- Life Science (3 hours)

Breadth - Humanities Course

- PHIL 323

Breadth - Social Science Course

- ECON 111

Foundations

- ENG 101, 102
- PHIL 323
- MATH 150 (FQR)
- ACS 103

The Following Experiences Are Also Required:

First Semester Transition (FST), Health (EH), U.S. Race, Gender, and Equity (ERGU), Global Cultures, Race, and Equity Education (EREG)

Interdisciplinary Course (IS)

Engineering Courses

- CE 204, 240, 242
- CS 145 or 140
- IE 106, 345
- ECE 210
- ME 262, 310, 312, 315, 350, 354, 356, 356L, 370, 380, 380L, 410, 410L, 482, 484
- ME Electives (9 hours)
- Engineering Elective (3 hours)

Check the mechanical engineering curriculum guide for more details about elective courses.

Academic Status/Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0.
- Maintain a term GPA above 1.0 in any term.
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses.
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering.
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299.
- Receive no more than two failure grades, incomplete and/or withdrawals in any combination for a single course required in the major.

Students placed on probation should seek immediate advisement and will be given the conditions required for removal from probation. If the conditions are not met, the students are dropped from the major and may not enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's undergraduate committee.

Degrees Available at SIUE

- Bachelor of Science, Mechanical Engineering

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

Degree requirements include the following:

- A cumulative GPA of 2.0 or higher in engineering courses
- A cumulative GPA of 2.0 or higher is required for mechanical engineering courses numbered above 299
- Completion of all departmental and University requirements
- Completion of a senior assignment as part of ME 482 and 484, mechanical engineering design I and II

Minor Requirements

Eighteen semester hours are required for a minor in mechanical engineering, including ME 262 and 310. Remaining courses are electives to be selected from among the mechanical engineering courses subject to approval by the chair of mechanical engineering. A cumulative GPA of 2.0 or higher is required for mechanical engineering courses.

Sample Curriculum for the Bachelor of Science in Mechanical Engineering

Year 1 (Fall Semester)

(3) IE 106 Engineering Problem Solving
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (BPS, FQR)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ACS 103 Interpersonal Communications (ERGU or EREG)*
(5) **MATH 152** Calculus II (BPS)
(3) **PHYS 141** Physics I for Engineering (BPS)
(1) **PHYS 151L** University Physics Laboratory I (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) **CE 204** Engineering Graphics & CAD
(3) **CE 240** Statics
(4) **MATH 250** Calculus III (BPS)
(3) **PHYS 142** Physics II for Engineering (BPS)
(1) **PHYS 152L** University Physics Laboratory II (EL)
14 - Total Credits

Year 2 (Spring Semester)

(3) **ME 262** Dynamics
(3) **CE 242** Mechanics of Solids
(3) **ECE 210** Electrical Circuits
(3) **ECON 111** Principles of Macroeconomics (BSS)
(3) **MATH 305** Differential Equations I
(3) **CS 145** Intro to Computing for Engineers
18 - Total Credits

Year 3 (Fall Semester)

(3) ME 310 Thermodynamics I
(3) ME 315 Fluid Mechanics
(3) ME 350 Dynamics of Mechanisms
(1) ME 354 Numerical Simulation
(3) ME 370 Materials Engineering
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Spring Semester)

(3) ME 312 Thermodynamics II
(3) ME 356 Dynamic Systems Modeling
(3) ME 380 Design of Machine Elements
(1) ME 380L Stress Laboratory
(3) PHIL 323 Engineering, Ethics & Professionalism (FRA, BHUM)
(3) STAT 380 Statistics for Applications (BICS)
16 - Total Credits

Year 4 (Fall Semester)

(3) ME 410 Heat Transfer
(1) ME 410L Thermal Fluid Laboratory
(3) ME 482 Mechanical Engineering Design I
(3) ME Elective I
(3) IE 345 Engineering Economic Analysis
(3) Interdisciplinary Studies (IS)/U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)*
(0-3) Health Experience (EH)
16-19 - Total Credits

Year 4 (Spring Semester)

(1) ME 356L Dynamical Systems Laboratory
(3) ME 484 Mechanical Engineering Design II
(3) ME Elective II
(3) ME Elective III
(3) Breadth Life Science (BLS)
(3) Engineering Elective
16 - Total Credits

* If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Total Hours 128-131

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Mechatronics And Robotics Engineering

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Mechatronics and Robotics Engineering, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years. Students must be enrolled in the SIUE undergraduate program and accepted into the corresponding graduate program before earning shared credit.

- **BS in Mechatronics and Robotics Engineering**
- **MS in Mechanical Engineering**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who met the following criteria are encouraged to apply:

- Major in mechatronics and robotics engineering
- Maintain a minimum 3.25 cumulative undergraduate GPA
- Maintain a minimum 2.75 undergraduate GPA in all engineering, math and physical science courses
- Be within 32 credit hours of bachelor's degree completion at intended entry term.

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

The accelerated master's in mechanical engineering requires that students complete six credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BS in mechatronics and robotics engineering and the MS in mechanical engineering.

Senior Year (Spring Semester)

(3) MRE Technical Elective I - **Shared Credit**
(3) MRE Technical Elective II - **Shared Credit**
(3) MRE 477 Computer-Integ Manufacturing Systems

(3) MRE 481 Design in Mechatronics & Robotics II
(3) Breadth Life Science (BLS)
(3) STAT 380 Statistics for Application (BICS)
17 - Total Credits

Graduate Year (Fall Semester)

Choose thesis (ME 599) or non-thesis option which requires electives and a research project.
(3) ME Grad Elective
(3) ME Grad Elective
(3) MATH Grad Elective
(3) ME 599 Thesis or ME Grad Elective
12 Total Credits

Graduate Year (Spring Semester)

(3) ME 530 Advanced Dynamics or ME 575 Advanced Fluid Mechanics
(3) MATH Grad Elective
(3) Grad Elective
(3) ME 599 Thesis or ME Grad Elective
12 Total Credits

See the graduate catalog for mechanical engineering (ME) and mathematics (MATH) course descriptions.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

Bachelor of Science Mechatronics and Robotics Engineering

Breadth - Physical Science Courses

- CHEM 131(or 121A), 135 (or 125A)
- MATH 152, 250, 305, 321
- PHYS 141, 151L, 142, 152L

Breadth

- Breadth Fine & Performing Arts
- Breadth Life Science

Breadth - Information & Communication in Society Course

- STAT 380

Breadth - Humanities Course

- PHIL 323

Breadth - Social Science Course

- ECON 111

Foundations

- ENG 101, 102
- PHIL 323
- MATH 150 (FQR)
- ACS 103

First Semester Transition

- FST 101

The Following Experiences Are Also Required:

Health (EH), U.S. Race, Gender, and Equity (ERGU) and Global Cultures, Race, and Equity Education (EREG)

Interdisciplinary Course (IS)

Engineering Courses

- CE 240, 242
- CS 140 or 145
- IE 106, 345
- ECE 210, 211, 282, 381
- ME 262, 354, 356, 450*
- MRE 320, 358, 380, 454, 477, 480, 481
- MRE Electives (6 hours)

*ME 450 may be substituted by ECE 365 Control Systems.

Academic Status/Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incomplete and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate

advisement and will be given the conditions required for removal from probation. If the conditions are not met, the students are dropped from the major and may not enroll in upper-division School of Engineering courses without written departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's undergraduate committee.

Degrees Available at SIUE

- Bachelor of Science, Mechatronics and Robotics Engineering

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

Degree requirements include the following:

- A cumulative GPA of 2.0 or higher in engineering courses
- A cumulative GPA of 2.0 or higher is required for mechatronics and robotics engineering courses numbered above 299
- Completion of all departmental and University requirements
- Completion of a senior assignment as part of MRE 480 (design in mechatronics and robotics I) and MRE 481 (design in mechatronics and robotics II)

Minor Requirements

Eighteen semester hours are required for a minor in mechatronics and robotics engineering, including MRE 320 and MRE 358. Remaining courses are electives to be selected from among the following courses: ME 262, ME 356, ME 450*, ECE 282, ECE 381, MRE 426, MRE 454, MRE 462 and MRE 477. A cumulative GPA of 2.0 or higher is required for mechatronics and robotics engineering courses. *ME 450 may be substituted by ECE 365 control systems.

Sample Curriculum for the Bachelor of Science in Mechatronics and Robotics Engineering

Year 1 (Fall Semester)

(3) IE 106 Engineering Problem Solving
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(3) ENG 101 English Composition I
(5) **MATH 150** Calculus I (BPS, FQR)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) **CS 145** Intro to Computing for Engineers
(5) **MATH 152** Calculus II (BPS)
(3) **PHYS 141** Physics I for Engineering (BPS)
(1) **PHYS 151L** University Physics I Lab (EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) ACS 103 Interpersonal Communications (ERGU or EREG)+
(3) **CE 240** Statics
(3) **ECE 210** Circuit Analysis I
(4) **MATH 250** Calculus III (BPS)
(3) **PHYS 142** Physics II for Engineering (BPS)
(1) **PHYS 152L** University Physics II Lab (EL)
17 - Total Credits

Year 2 (Spring Semester)

(3) **ME 262** Dynamics
(3) **CE 242** Mechanics of Solids
(4) ECE 211 Circuit Analysis II
(3) **ECON 111** Principles of Macroeconomics (BSS)
(3) **MATH 305** Differential Equations I (BPS)
(1) ME 354 Numerical Simulation
17 - Total Credits

Year 3 (Fall Semester)

(4) ECE 282 Digital System Design
(3) ME 356 Dynamic Systems Modeling
(3) MRE 320 Sensors and Actuators
(3) MATH 321 Linear Algebra
(3) Breadth Fine & Performing Arts (BFPA)

16 - Total Credits

Year 3 (Spring Semester)

(3) MRE 358 Introduction to Mechatronics
(3) ME 450* Automatic Control
(3) MRE 380 Design of Machine Elements
(3) ECE 381 Microcontroller
(3) PHIL 323 Engineering, Ethics & Professionalism (FRA, BHUM)
15 - Total Credits

Year 4 (Fall Semester)

(3) MRE 454 Robotics, Dynamics & Controls
(3) MRE 480 Design in Mechatronics & Robotics I
(3) MRE Technical Elective I
(3) IE 345 Engineering Economic Analysis
(3) Interdisciplinary Studies (IS) / U.S. Race, Gender, and Equity (ERGU) or Global Cultures, Race, and Equity Education (EREG)+
(0-2) Health Experience (EH)
15-17 - Total Credits

Year 4 (Spring Semester)

(3) MRE Technical Elective II
(3) MRE 477 Computer-Integ Manufacturing Systems
(3) MRE 481 Design in Mechatronics & Robotics II
(3) Breadth Life Science (BLS)
(3) STAT 380 Statistics for Application (BICS)
15 - Total Credits

Total Hours 125-127

*ME 450 may be substituted by ECE 365 Control Systems.
+If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Music

Admission Requirements

Students seeking admission to any degree program in music must perform an acceptable audition prior to admission.

Students are not permitted to register for private lessons until they complete the audition requirement. To schedule an audition, please complete the online music audition application, or call the Department of Music at 618-650-3900. Transfer students must take a placement test in music theory (written and aural) and class piano.

Transfer

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Visit the transfer website for more information.

Requirements for Students Seeking Professional Educator Licensure

A teacher education program is a joint program by the academic discipline in the College of Arts and Sciences and the School of Education, Health and Human Behavior. Therefore, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about requirements of the teacher education program as soon as they know they would like to pursue this option. Scheduling required courses involves early and frequent coordination between the student, College of Arts and Sciences advisor, department faculty mentor, and School of Education, Health and Human Behavior advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. CIED 100 is an introductory course that is open to all students interested in pursuing the professional educator license.

Students seeking professional educator licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found on the School of Education, Health and Human Behavior section of the undergraduate academic catalog or by making an appointment with a School of Education, Health and Human Behavior advisor.

Degree Requirements

Bachelor of Arts, Music

- MUS 100, 121A, 121B, 125A, 125B, 126A, 126B, 140 (2,2), 225A, 225B, 221A, 221B, 240 (2,2), 267, 367A, 367B

Music Literature
- Music major ensemble
- MUS 139A, 139B diction for singers (required for voice students)
- One year of the same foreign language

Music Specialization
- In addition to above requirements:
- Minor concentration

Music History/Literature Specialization
- In addition to above requirements:
- MUS 326
- MUS 442

Bachelor of Music

- MUS 100, 121A, 121B, 125A, 125B, 126A, 126B, 140 (2,2), 225A, 225B, 221A, 221B, 240 (2,2), 267, 367A, 367B, 400A-Z

Music Major Ensemble

Voice Performance Majors Only
- MUS 139A, 139B diction for singers
- MUS 419 or 442

Students are to choose two foreign languages from Italian, French and German.

Jazz Performance Specialization

- MUS 231, 331 are substituted for MUS 221A, 221B
- MUS 141, 241 are substituted for MUS 140, 240

In addition to above requirements:

- MUS 230 (2), 330 (4), 337, 341 (4,4), 409A, 409B, 430 (2), 436, 439, 441(4,4), 490

Music Business Specialization

In addition to above requirements:

- ACCT 200
- ECON 111, 112
- MUS 395A, 395B, 495 (12)

Business electives (12)

Music Education Specialization - Professional Educator Licensure (K-12)

In addition to above requirements:

- CIED 100, 310, 323
- CI 352O (6), 451C (6)
- MUS 112, 113, 114, 116, 201, 301A, 301B, 301C, 309, 318A, 318B, 326, 340(2,2), 411, 440 (2), 490
- SPE 400

Instrumental students only: MUS 115A, 115B

Vocal students only: MUS 139A, 139B

Music Performance Specialization

In addition to above requirements:

- MUS 309, 318A, 326, 411, 340(4,4), 440(4,4), 442, 490

Applied lessons in the freshman and sophomore years may be taken for either two or four credit hours. Students who enroll in only two credit hours must take additional music electives if their total hours are below 120.

Piano students only: MUS 165A, 165B substituted for MUS 121A, 121B; MUS 221A, 221B waived; MUS 461A, 461B

Voice students only: Two foreign languages required - one year of French, German or Italian and one year of a different language (i.e. First language 101/102; second language 101/102; MUS 139A, 139B; MUS 419; waived MUS 309, MUS 442)

Music Theory and Composition Specialization

In addition to above requirements:

- MUS
  212A, 212B, 227, 309, 326, 411G, 426A, 442, 472 A, 472B, 305

Theory emphasis only: One year of two different languages; MUS 481

Composition emphasis only: MUS 115A, 112, 113 or 116 (non-voice students); MUS 114, 165A, 312A, 312B, 318A, 412A, 412B

Foreign Language 101 and 102

Musical Theater Specialization

- DANC 114, 210A, 211A, 212A, 212B, 213, 314
- MUS 139A, 342 (3), 343, 444 (4)
- THEA 112A, 112B, 220, 392, 199 (2)
- THEA 150, 160, or 170

Music Elective (3 hours)
Theater Electives (6 hours)
Private Applied Voice (16)

Convocation Requirement

Starting fall 2018, undergraduate music majors (BM or BA), whether declared or undeclared, must attend a minimum of **12 convocations/recitals/concerts per semester** until graduation or until a total of eight semesters of MUS 100 have been completed. Any semester prior to fall 2018 will still need the previously required 15 credits to be considered complete. Students who do not fulfill the **convocation** requirement will be barred from graduation.

i) Students who started in fall 2018 or later will require 96 convocation credits to graduate.

ii) For students who started prior to fall 2018, the number of convocations required for graduation will be: (number of semesters prior to fall 2018 x 15) + (number of semesters starting fall 2018 x 12). For example, students starting their seventh semester in fall 2018 will need six semesters at 15 credits and two semesters at 12 credits, equaling 114 credits at graduation.

There are two exceptions:

i) The convocation requirement is waived for music

education majors during the semester of student teaching, and for music business majors during the semester of internship. Music education and music business majors who complete their residency in eight semesters and are on a student teaching or internship placement during their ninth semester will need the full number of credits as indicated above. However, students who finish their residency in seven semesters, and who are on a student teaching or internship placement during their eighth semester, may graduate with 12 convocation credits fewer than indicated above.

ii) The requirement for transfer students will conform to the expected number of semesters needed for graduation as determined by the music department at the time of transfer to SIUE.

Grading and Graduation Requirements:

Students will register for convocation (MUS 100) on a pass/incomplete basis for eight semesters. An incomplete grade will be removed when the required convocations/recitals have been completed.

Retention

To remain in the music program, students must maintain a minimum GPA of 2.5 and receive a grade of C or better in all required music courses. In addition, each student must continue to make satisfactory progress in private applied music and participate in appropriate ensembles as assigned by the faculty.

General Education Requirements for the Major

Some general education requirements may be satisfied while completing this major concentration.

Degrees Available at SIUE

- Bachelor of Arts, Music (specialization available in the following)
  - Music History and Literature
- Bachelor of Music (specializations available in the following)
  - Jazz Performance
  - Music Business
  - Music Education - Professional Educator Licensure (K-12) option
  - Music Performance
  - Music Theory and Composition
  - Musical Theater

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - Bachelor of Arts only: one year of the same foreign language
- File an application for graduation by the first day of the term in which you plan to graduate

Minor in Music

Students wishing to minor in music must consult with the designated advisor to develop an approved program before beginning coursework. Students must complete a total of at least 24 hours in music which must include:

- MUS 124 or 125A
- MUS 121A or 231
- MUS 111
- One upper-level music history/literature course

Students seeking minors in music are required to build a concentration of eight hours in one particular area of music. The following areas of concentration are available:

- performance
- theory
- history/literature
- jazz
- music education
- music business

Certain activities such as private applied study, advanced level courses and some ensembles require an audition and/or prior approval of the instructor.

Sample Curriculum for the Bachelor of Arts in Music

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) MUS 139A Diction (Voice Students only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2) MUS 139B Diction (Voice Major Only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(0) MUS 100 Convocation
15 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) RA 101 Reasoning & Argumentation
(3) Minor
(0) MUS 100 Convocation
16 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) QR 101, MATH 150 or Higher
(3) Health Experience (EH)
(0) MUS 100 Convocation
16 - Total Credits

Year 3 (Fall Semester)

(3) Breadth Life Science (BLS)
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(2) Elective Music Literature
(4) Minor
(0) MUS 100 Convocation
16 - Total Credits

Year 3 (Spring Semester)

(3) Breadth Physical Science (BPS)
(4) **FL 102** Elementary Foreign Language II
(3) Breadth Social Science (BSS)
(2) Elective Music Literature
(3) Minor
(0) MUS 100 Convocation
15 - Total Credits

Year 4 (Fall Semester)

(3) Interdisciplinary Studies (IS)
(3) Lab Experience (EL)
(3) Minor
(3) Elective
(0) MUS 100 Convocation
12 - Total Credits

Year 4 (Spring Semester)

(3) Minor
(3) Minor
(3) Music Elective
(4) Elective
(0) MUS 100 Convocation

(0) MUS 400A-Z Senior Assignment
13 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Music, Specialization in Jazz Performance

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2 or 4) **MUS 141** Private Jazz
(1) MUS 230 Improvisation
(1) MUS 333 Jazz Combo
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 or 18 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2 or 4) **MUS 141** Private Jazz
(1) MUS 230 Improvisation
(1) MUS 333 Jazz Combo
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation
17 or 19 - Total Credits

Year 2 (Fall Semester)

(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) MUS 231 Jazz Keyboard Theory
(2 or 4) **MUS 241** Private Jazz
(1) MUS 330 Improvisation
(1) MUS 333 Jazz Combo
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
15 or 17 - Total Credits

Year 2 (Spring Semester)

(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III
(2 or 4) **MUS 241** Private Jazz
(1) MUS 330 Improvisation
(2) MUS 331 Jazz Keyboard Theory
(1) MUS 333 Jazz Combo
(3) Breadth Social Science (BSS)
(0) MUS 100 Convocation
15 or 17 - Total Credits

Year 3 (Fall Semester)

(1) MUS 330 Improvisation
(1) MUS 333 Jazz Combo
(3) MUS 337 Analysis of Jazz Styles
(4) MUS 341 Private Jazz
(2) MUS 409A Jazz Arranging
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(0) MUS 100 Convocation
15 - Total Credits

Year 3 (Spring Semester)

(1) MUS 330 Improvisation
(1) MUS 333 Jazz Combo
(4) MUS 341 Private Jazz
(2) MUS 409B Jazz Arranging
(4) **FL 102** Elementary Foreign Language II
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(0) MUS 100 Convocation
Junior Recital - During 3rd Year
15 - Total Credits

Year 4 (Fall Semester)

(1) MUS 333 Jazz Combo
(2) MUS 439 Recording Techniques
(1) MUS 430 Improvisation
(4) MUS 441 Applied Lessons
(3) Breadth Physical Science (BPS) with a Lab (EL)
(2) Elective
(0) MUS 100 Convocation
13 - Total Credits

Year 4 (Spring Semester)

(1) MUS 333 Jazz Combo
(1) MUS 430 Improvisation
(2) MUS 436 Jazz Education
(4) MUS 441 Private Jazz
(3) Interdisciplinary Studies (IS)
(3) Breadth Life Science (BLS)/Health Experience (EH)
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
(0) MUS 490 Senior Recital - During 4th Year
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Business

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) MUS 139A Diction (Voice Students Only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 103 Interpersonal Communication Skills (ERGU; recom) or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2) MUS 139B Diction (Voice Major Only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ECON 111 Macroeconomics (BSS)
(3) ENG 102 English Composition II
(0) MUS 100 Convocation
18 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) ECON 112 Microeconomics (BSS)
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation
16 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) ACCT 200 Financial Accounting
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation

16 - Total Credits

Year 3 (Fall Semester)

(3) Breadth Life Science (BLS)/Health Experience (EH)
(3) MUS 395A Music Business (BFPA)
(3) Business Elective
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(3) Interdisciplinary Studies (IS)
(0) MUS 100 Convocation
16 - Total Credits

Year 3 (Spring Semester)

(3) Breadth Physical Science (BPS)/Lab Experience (EL)
(3) MUS 395B Music Business (BFPA)
(4) **FL 102** Elementary Foreign Language II
(3) Business Elective
(0) MUS 100 Convocation
13 - Total Credits

Year 4 (Fall Semester)

(5) MUS Elective
(3) Business Elective
(3) Business Elective
(3) Breadth Humanities (BHUM)
(0) MUS 100 Convocation
14 - Total Credits

Year 4 (Spring Semester)

(12) MUS 495 Internship
(0) MUS 400A-Z Senior Assignment
12 - Total Credits

Total Hours 122

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Education, Professional Educator Licensure (K-12)

Year 1 (Fall Semester)

(1) MUS 115A Class Voice or MUS 139A Diction for Singers
(1) MUS 121A Class Piano (or Proficiency) or MUS 165A Piano Practicum (Keyboard Students Only)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(1) MUS 113 Class Applied Brass or MUS 114 Class Applied Percussion
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 103 Interpersonal Communication Skills or ACS 101 Public Speaking
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 115B Class Voice or MUS 139B Diction for Singers
(1) MUS 112 Woodwind Methods or MUS 116 Class Applied Strings
(1) MUS 121B Class Piano (or Proficiency) or MUS 165B Piano Practicum (Keyboard Students Only)
(3) MUS 125B Theory (BFPA)
(1) MUS 201 Music Education Intro
(2) MUS 267 History of Music I (BHUM)
(1) MUS 126B Aural Skills
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation

19- Total Credits

Year 2 (Fall Semester)

(1) MUS 113 Class Applied Brass or MUS 114 Applied Percussion
(1) MUS 221A Class Piano (or Proficiency; waived for Keyboard Students Only)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) CIED 100 Introduction to Education
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(0) MUS 100 Convocation
18 - Total Credits

Year 2 (Spring Semester)

(1) MUS 112 Class Applied Woodwinds or MUS 116 Class Applied Strings
(1) MUS 221B Class Piano (or Proficiency; waived for Keyboard Students Only)
(4) MUS 225B Theory (BFPA)
(2) **MUS 240** Applied Lessons
(2) MUS 367B History of Music III (BHUM)
(1) **MUS Major Ensemble**
(4) **FL 102** Elementary Foreign Language II
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
18 - Total Credits

Year 3 (Fall Semester)

(2) MUS 301A Education Methods: Elementary
(3) MUS 309 Orchestration (BFPA)
(2) MUS 318A Conducting
(2) MUS 340 Applied Lessons
(1) MUS Major Ensemble
(3) **HIST 200 or HIST 201** US History (recommended to meet BSS & EL)
(3) SPE 400 The Exceptional Child
(3) CIED 310 Socially Just Instructional Practices for All Students (ERGU)
(0) MUS 100 Convocation
19 - Total Credits

Year 3 (Spring Semester)

(2) MUS 301B Education Methods: Secondary Vocal/General
(2) MUS 318B Conducting
(2) MUS 340 Applied Lessons
(1) MUS Major Ensemble
(3) Breadth Life Science (BLS)/Health Experience (EH)
(3) Breadth Physical Science (BPS)
(3) CIED 323 Adolescent Content Literacy
(0) MUS 100
Junior Recital - During 3rd Year
16 - Total Credits

Year 4 (Fall Semester)

(2) MUS 301C Education Methods: Secondary Instrumental
(3) MUS 326 Analysis
(2) MUS 411 Music Literature
(2) MUS 440 Applied Lessons
(1) MUS Major Ensemble
(3) Breadth Humanities (BHUM)
(3) Interdisciplinary Studies (IS)
(0) MUS 100 Convocation
(0) MUS 490 Graduation Recital
16 - Total Credits

Year 4 (Spring Semester)

(6) CI 352 Student Teaching
(6) CI 451C Elementary Student Teaching: Music
(0) MUS 400E Senior Assignment
12 - Total Credits

Total Hours 135

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take

placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Arts in Music, Specialization in Music History and Literature

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) MUS 139A Diction (Voice Students Only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2) MUS 139B Diction (Voice Major Only) or Music Elective (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(0) MUS 100 Convocation
15 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(1) MUS Elective
(3) RA 101 Reasoning & Argumentation
(3) Breadth Physical Science (BPS)
(0) MUS 100 Convocation
17 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) QR 101, MATH 150 or Higher
(2) Health Experience (EH)
(0) MUS 100 Convocation
15 - Total Credits

Year 3 (Fall Semester)

(3) MUS 326 Analysis
(3) Breadth Life Science (BLS)
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(3) Breadth Social Science (BSS)
(2) Elective Music Literature
(0) MUS 100 Convocation
15 - Total Credits

Year 3 (Spring Semester)

(3) Lab Experience (EL)
(4) **FL 102** Elementary Foreign Language II
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(2) Elective Music Literature
(3) Elective
(0) MUS 100 Convocation
15 - Total Credits

Year 4 (Fall Semester)

(3) MUS 442 Counterpoint
(3) Interdisciplinary Studies (IS)
(3) Elective
(2) Elective Music Literature
(2) Elective
(0) MUS 100 Convocation
13 - Total Credits

Year 4 (Spring Semester)

(2) Elective Music Literature
(3) Elective
(3) Elective
(3) Elective
(2) Elective
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
13 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Performance (Instrumental)

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills (ERGU; recom)
(1) FST 101 Succeeding & Engaging at SIUE
15 or 17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2 or 4) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) Breadth Physical Science (BPS)
(0) MUS 100 Convocation
13 or 15 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2 or 4) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
13 or 15 - Total Credits

Year 3 (Fall Semester)

(3) MUS 309 Orchestration (BFPA)
(2) MUS 318A Conducting
(4) MUS 340 Applied Lessons
(1) MUS Major Ensemble
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(2) MUS Elective, if necessary
(0) MUS 100 Convocation
16 - Total Credits

Year 3 (Spring Semester)

(4) MUS 340 Applied Lessons
(1) MUS Major Ensemble

(3) Breadth Social Science (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(4) Lab Experience (EL)
(4) **FL 102** Elementary Foreign Language II
(0) MUS 100 Convocation
Junior Recital - During 3rd Year
16 - Total Credits

Year 4 (Fall Semester)

(3) MUS 326 Analysis
(2) MUS 411 Music Literature
(4) MUS 440 Applied Lessons
(1) MUS Major Ensemble
(2) Health Experience (EH)
(5) MUS Electives, as necessary
(0) MUS 100 Convocation
17 - Total Credits

Year 4 (Spring Semester)

(4) MUS 440 Applied Lessons
(1) Major Ensemble
(3) MUS 442 Counterpoint
(3) Interdisciplinary Studies (IS)
(3) Breadth Life Science (BLS)
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
(0) MUS 490 Senior Recital - During 4th Year
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music in Music, Specialization in Music Performance (Piano)

Year 1 (Fall Semester)

(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(1) MUS 165A Piano Practicum
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
15 or 17 - Total Credits

Year 1 (Spring Semester)

(3) MUS 125B theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(1) MUS 165B Piano Practicum
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 2 (Fall Semester)

(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2 or 4) **MUS 240** Applied Lessons
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(1) MUS 365 Piano Ensemble
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 2 (Spring Semester)

(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2 or 4) **MUS 240** Applied Lessons

(4) **FL 102** Elementary Foreign Language II
(1) MUS 365 Piano Ensemble
(3) Breadth Physical Science (BPS)
(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 3 (Fall Semester)

(3) MUS 318A Conducting
(4) MUS 340 Applied Lessons
(1) MUS 365 Piano Ensemble
(3) MUS 461A Piano Teaching Techniques
(3) MUS 309 Orchestration
(3) Breadth Life Science (BLS) with a lab (EL)
(0) MUS 100 Convocation
17 - Total Credits

Year 3 (Spring Semester)

(4) MUS 340 Applied Lessons
(1) MUS 365 Piano Ensemble
(3) MUS 461B Piano Teaching Techniques
(3) MUS 411 Music Literature
(3) Breadth Social Science (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(0) MUS 100 Convocation
Junior Recital - During 3rd Year
14 - Total Credits

Year 4 (Fall Semester)

(3) MUS 326 Analysis
(0) MUS 365 Piano Ensemble
(4) MUS 440 Applied Lessons
(3) Interdisciplinary Studies (IS)
(2) Health Experience (EH)
(2) Elective
(0) MUS 100 Convocation
14 - Total Credits

Year 4 (Spring Semester)

(3) MUS 365 Piano Ensemble
(4) MUS 440 Applied Lessons
(3) MUS 442 Counterpoint
(2) Elective
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
(0) MUS 490 Senior Recital -During 4th Year
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Performance (Voice)

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) MUS 139A Diction
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
17 or 19 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 139B Diction
(2 or 4) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) Breadth Physical Science (BPS)

(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2 or 4) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(4) ***FL 101** Elementary Foreign Language I (BICS, EREG)
(3) RA 101 Reasoning & Argumentation
(0) MUS 100 Convocation
15 or 17 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2 or 4) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(4) **FL 102** Elementary Foreign Language II
(2) MUS 267 History of Music I (BHUM)
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
17 or 19 - Total Credits

Year 3 (Fall Semester)

(2) MUS 318A Conducting
(4) MUS 340 Applied Lessons
(2) MUS 367A History of Music II
(1) MUS Major Ensemble
(4) ***FL 101** (second language) Elementary Foreign Language I
(0) MUS 100 Convocation
13 - Total Credits

Year 3 (Spring Semester)

(4) MUS 340 Applied Lessons
(2) MUS 367B History of Music III (BHUM)
(1) MUS Major Ensemble
(4) **FL 102** (second language) Elementary Foreign Language II
(3) Breadth Life Science (BLS)/Lab Experience (EL)
(0) MUS 100
Junior Recital - During 3rd Year
14 - Total Credits

Year 4 (Fall Semester)

(3) MUS 326 Analysis
(4) MUS 440 Applied Lessons
(1) MUS Major Ensemble
(3) Breadth Social Science (BSS)/Health Experience (EH)
(3) Interdisciplinary Studies (IS)
(0) MUS 100 Convocation
14 - Total Credits

Year 4 (Spring Semester)

(4) MUS 440 Applied Lessons
(2) MUS 419 Vocal Pedagogy (BFPA)
(1) MUS Major - Voice Ensemble
(2) MUS 411 Music Literature
(3) Music Elective if needed
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
(0) MUS 490 Senior Recital - During 4th Year
15 - Total Credits

Total Hours 121

*Students are to choose two foreign languages from Italian, French and German

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Theory and Composition (Theory Emphasis)

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(0-2) MUS 139A Diction (Voice Students Only)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
15 or 17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(0-2) MUS 139B Diction (Voice Students Only)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
16 or 18 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) RA 101 Reasoning & Argumentation
(4) Breadth Life Science (BLS) with a Lab (EL)
(0) MUS 100 Convocation
17 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2) MUS 227 Introduction to Applied Composition
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) Breadth Physical Science (BPS)
(3) MUS 305 Non-Western Music
(0) MUS 100 Convocation
18 - Total Credits

Year 3 (Fall Semester)

(1) MUS 165A Piano Practicum
(2) MUS 212A Applied Composition
(3) MUS 309 Orchestration
(1) MUS Major Ensemble
(4) ***FL 101** Elementary Foreign Language I (BICS, EREG)
(2) Health Experience (EH)
(0) MUS 100 Convocation
13 - Total Credits

Year 3 (Spring Semester)

(2) MUS 212B Applied Composition
(2) MUS 426A Adv Music Theory: Music Since 1900
(3) MUS 472A Arranging
(1) MUS Major Ensemble
(4) ***FL 102** Elementary Foreign Language II
(0) MUS 100 Convocation
12 - Total Credits

Year 4 (Fall Semester)

(3) MUS 326 Analysis
(2) MUS 411G Music Lit: 20th Century
(3) MUS 472B Arranging
(4) ***FL 101** (Second Language)
(1) MUS Major Ensemble
(3) Breadth Social Sciences (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(0) MUS 100 Convocation
16 - Total Credits

Year 4 (Spring Semester)

(3) MUS 481 Readings in Music Theory

(3) MUS 442 Counterpoint
(4) ***FL 102** (Second Language)
(3) Interdisciplinary Studies (IS)
(0-2) Elective (Non-Voice Students Only)
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
13 or 15 - Total Credits

Total Hours 120

*Foreign language in year two and three must be French, German, Italian or Latin.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Music Theory and Composition (Composition Emphasis)

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(0-2) MUS 139A Diction (Voice Students Only)
(0-1) MUS 115A, MUS 112, MUS 113 or MUS 116 (Non-Voice Students)
(2) **MUS 140** Applied Lessons
(1) **MUS Major Ensemble**
(3) ENG 101 English Composition I
(0) MUS 100 Convocation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 or 17 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) MUS 267 History of Music I (BHUM)
(2) **MUS 140** Applied Lessons
(2) MUS 227 Introduction to Applied Composition
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(0) MUS 100 Convocation
18 - Total Credits

Year 2 (Fall Semester)

(2) MUS 212A Applied Composition
(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(3) RA 101 Reasoning & Argumentation
(3) Breadth Physical Science (BPS) with Lab (EL)
(0) MUS 100 Convocation
18 - Total Credits

Year 2 (Spring Semester)

(1) MUS 114 Class Percussion
(2) MUS 212B Applied Composition
(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2) **MUS 240** Applied Lessons
(1) **MUS Major Ensemble**
(0) MUS 100 Convocation
13 - Total Credits

Year 3 (Fall Semester)

(1) MUS 165A Piano Practicum
(3) MUS 309 Orchestration (BFPA)
(2) MUS 312A Applied Composition
(1) MUS Major Ensemble
(4) ***FL 101** Elementary Foreign Language I (BICS, EREG)
(3) Breadth Life Science/Health Experience (BLS,

EH)
(0) MUS 100 Convocation
14 - Total Credits

Year 3 (Spring Semester)

(3) MUS 312B Applied Composition
(3) MUS 442 Counterpoint
(3) MUS 472A Arranging
(1) MUS Major Ensemble
(4) ***FL 102** (same language) Elementary Foreign Language II
(0) MUS 100 Convocation
14 - Total Credits

Year 4 (Fall Semester)

(2) MUS 318A Conducting
(3) MUS 326 Analysis
(2) MUS 411G Music Lit: 20th Century
(4) MUS 412A Applied Composition
(3) MUS 472B Arranging
(0) MUS 100 Convocation
14 - Total Credits

Year 4 (Spring Semester)

(3) MUS 412B Applied Composition
(2) MUS 426A Adv Music Theory: Music Since 1900
(3) MUS 305 Non-Western Music
(3) Breadth Social Sciences (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(3) Interdisciplinary Studies (IS)
(0) MUS 100 Convocation
(0) MUS 400C Senior Assignment (Recital)
14 - Total Credits

Total Hours 121

* Foreign language must be French, German, Italian or Latin.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Sample Curriculum for the Bachelor of Music, Specialization in Musical Theater

Year 1 (Fall Semester)

(1) MUS 121A Class Piano (or Proficiency)
(3) MUS 125A Theory (BFPA)
(1) MUS 126A Aural Skills
(2) **MUS 140Q** Applied Lessons
(1) **MUS Major Ensemble**
(3) DANC 114 Movement Fundamentals (BFPA, EH)
(3) ENG 101 English Composition I
(3) QR 101 Quantitative Reasoning, MATH 150 or higher
(0) MUS 100 Convocation
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total Credits

Year 1 (Spring Semester)

(1) MUS 121B Class Piano (or Proficiency)
(3) MUS 125B Theory (BFPA)
(1) MUS 126B Aural Skills
(2) **MUS 140Q** Applied Lessons
(2) MUS 267 History of Music I (BHUM)
(1) **MUS Major Ensemble**
(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) RA 101 Reasoning and Argumentation
(0) MUS 100 Convocation
19 - Total Credits

Year 2 (Fall Semester)

(1) MUS 221A Class Piano (or Proficiency)
(4) MUS 225A Theory (BFPA)
(2) MUS 367A History of Music II (BHUM)
(2) **MUS 240Q** Applied Lessons
(1) **MUS Major Ensemble**
(2) DANC 210A Modern & Contemp Dance I

(3) THEA 112A Introduction to Acting (BFPA)
(0) THEA 199 Theater Production Elective
(0) MUS 100 Convocation
15 - Total Credits

Year 2 (Spring Semester)

(1) MUS 221B Class Piano (or Proficiency)
(4) MUS 225B Theory (BFPA)
(2) MUS 367B History of Music III (BHUM)
(2) **MUS 240Q** Applied Lessons
(1) **MUS Major Ensemble**
(2) DANC 211A Ballet Technique I
(3) THEA 112B Creating a Role
(0) MUS 100 Convocation
15 - Total Credits

Year 3 (Fall Semester)

(2) MUS 340Q Applied Lessons
(2) MUS 139A Diction
(1) MUS 342 Musical Theater Ensemble
(1) MUS 444 Concert Chorale
(3) Theater Elective
(1) DANC 212A Jazz Dance
(1) DANC 213 Beginning Tap Dance
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(0) THEA 199 Theater Production Elective
(0) MUS 100 Convocation
15 - Total Credits

Year 3 (Spring Semester)

(2) MUS 340Q Applied Lessons
(1) MUS 343 Seminar in Audition Techniques
(1) MUS 444 Concert Chorale
(3) Theater Elective
(1) DANC 212B Advanced Jazz Dance
(4) **FL 102** Elementary Foreign Language II
(3) Breadth Physical Science (BPS)/Lab Experience (EL)
(0) MUS 100 Convocation
15 - Total Credits

Year 4 (Fall Semester)

(2) MUS 440Q Applied Lessons
(1) MUS 342 Musical Theater Ensemble
(1) MUS 444 Concert Chorale
(0) MUS 100 Convocation
(1) DANC 314 Broadway Styles
(3) THEA 392 American Musical Theater
(3) Breadth Social Science (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(3) Breadth Life Science (BLS)
(3) Music Elective
17 - Total Credits

Year 4 (Spring Semester)

(2) MUS 440Q Applied Lessons
(1) MUS 342 Musical Theater Ensemble
(1) MUS 444 Concert Chorale
(3-4) THEA 150, THEA 160, or THEA 170
(3) THEA 220 Directing for the Stage
(3) Interdisciplinary Studies (IS)
(0) MUS 100 Convocation
(0) MUS 400A-Z Senior Assignment
13-14 - Total Credits

Total Hours 127-128

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides. All transfer students most take placement exams in music theory and class piano. Placement in the appropriate level of applied lessons and related courses determined by applied faculty.

Nursing

Degrees Available at SIUE

- Bachelor of Science, Nursing (options for completion as follows)
  - Traditional
  - Post-Baccalaureate Accelerated
  - Accelerated RN to BS Nursing
  - Combined Baccalaureate to Graduate Degree

Post-Baccalaureate Accelerated

Admission Requirements

Applications for admission are available from August 15-March 1. The application deadline is March 1 or until the option is full. This program begins in the fall term only and is offered in a traditional format.

An application to the School of Nursing will be considered complete and ready to be reviewed for admission when all of the following criteria are met:

- Complete a Nursing application Application.
- Completion of a baccalaureate degree (in any major field) from an accredited college or university by the end of the spring semester preceding fall enrollment.
- Final GPA of 3.0 (4.0 scale) as recorded by the degree granting institution in the term that the bachelor's degree was awarded
- Prerequisite course GPA minimum of 3.0 on a 4.0 scale. Prerequisite courses include ENG 101, PSYC 111, CHEM 120A or equivalent (no lab required), BIOL 240A, BIOL 240B, BIOL 250, STAT 107 (or STAT 244), PHIL 225, 320 or 321, and NURS 234 (Human Growth and Nutrition across the lifespan in Nursing.). Equivalent transfer courses may be used (check with nursing advisor). A grade of C or better must be earned in all prerequisite courses. Any remaining prerequisites must be completed by May 31 (prior to fall enrollment) unless prior exception approved.
- Official transcripts from all college/universities attended (uploaded in NursingCAS application)
- Review of the Performance Standards for the School of Nursing
- Review of the Professional Licensure Requirements for your intended state of licensure as an RN

*NOTE: CLEP exams for prerequisite requirements are only accepted if the University accepts the individual exam. All science courses must be completed within seven years of admission to the program. A grade of C or higher must be earned in all prerequisite courses. Any repeated course is subject to the SIUE Course Repeat Policy, 1J2.

Applicants are responsible for ensuring that their materials are received in the School of Nursing. Applications received after the deadline will be viewed on a space-available basis. The nursing application is available from the School of Nursing website.

Applicants selected for admission will be directly admitted into the School of Nursing. Applying to the program and meeting the minimum admission criteria does not guarantee admission to the program. Admitted students must provide official documentation of all completed degree/prerequisite courses by May 31 (prior to fall enrollment).

All admitted students must be compliant with SIUE School of Nursing Health Mandates Policy prior to first day of initial term.

Transfer

Transfer procedures for the ABS option are the same as those stated for the traditional option with the exception of the transfer hours accepted from other nursing programs. Up to 25% or 16 semester hours of the nursing curriculum may be accepted as transfer credit for the ABS option.

Accelerated Graduate Options

Qualified SIUE nursing students are encouraged to apply to a combined degree program that allows you to earn graduate-level credit for courses taken during your undergraduate program.

Students in the post-baccalaureate accelerated BS in nursing may apply for accelerated graduate credit in the following programs:

- Nurse Educator, MS

- Healthcare and Nursing Administration, MS
- Family Nurse Practitioner, DNP

Students who are eligible to enter these options may replace up to six credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Admission Requirements

SIUE undergraduates and new applicants to the post-baccalaureate BS in nursing who meet the following criteria are encouraged to apply:

- Maintain a minimum 3.0 cumulative undergraduate GPA (preferred)
- Maintain a minimum 3.0 undergraduate nursing GPA
- Maintain a minimum 3.0 undergraduate science GPA (preferred)
- Complete undergraduate statistics course with a grade of C or better
- Be within 32 credit hours of bachelor's degree completion at intended entry term
- Eligible to take NURS 472 within one semester of application

Deadlines

Please contact the School of Nursing Recruitment/Admissions Coordinator, nursing@siue.edu to inquire about the deadline for your specific program of interest and term of entry.

How to Apply

1. Contact nursing@siue.edu to request an application link
2. Pay the $40 application fee
3. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate advisor.
4. Submit to nursing@siue.edu all other required graduate admission application materials, including:
   - Self-reflection statement
   - Two reference forms (For ABS students, references should be from persons in educational, administrative, or collegial capacities who have worked closely with you in the past five years).

Other Program Requirements

- Completed a minimum of 1,872 hours of professional nursing practice experience as a registered nurse prior to enrollment in first specialization clinical course.
- Successful completion of a drug screen and criminal background check, as specified by the School of Nursing, to be performed after initial acceptance to the program.
- Maintain a 3.0 undergraduate nursing GPA throughout the BS in nursing coursework.
- Pre-licensure students must successfully pass the NCLEX-RN upon graduation and obtain an unencumbered RN license in the state where they plan to complete their graduate practicum experience.
- Students interested in the FNP, DNP program must successfully complete an application interview.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

NURS 231 - Examination of the Role of the Professional Nurse
NURS 240 - Pathophysiology
NURS 241 - Principles of Pharmacology for Nurses
NURS 246 - Foundation and Health Assessment Across the Lifespan in Nursing Practice
NURS 342 - Acute Care Nursing Across the Adult Lifespan
NURS 343 - Chronic Care Nursing Across the Adult Lifespan
NURS 372 - Scholarly Inquiry
NURS 374 - Mental Health Nursing: Foundations for Practice
NURS 375 - Community and Population Health Nursing
NURS 454 - Reproductive Health and Care of Childbearing Families
NURS 455 - Care of Children and Adolescents
NURS 476 - Care of the Person with Complex Needs
NURS 481 - Nursing Leadership in Health Care Systems
NURS 482 - Transition to Professional Practice Role
NURS 483 - Nursing Synthesis and Readiness to Practice
NURS 484 - Quality and Safety.

General Education Requirements for the Accelerated Option

Prerequisite Requirements

To be completed by May 31 (prior to fall enrollment):

- Anatomy and Physiology I (with lab)
- Anatomy and Physiology II (with lab)
- General Chemistry or equivalent, no lab required
- Microbiology/Bacteriology (with lab)
- Introduction to Psychology
- Human Growth and Nutrition Across the Lifespan in Nursing
- English Composition
- Statistics
- Ethics

NOTE: CLEP exams for prerequisite requirements are only accepted if the University accepts the individual exam.

All science courses must be completed within seven years of admission to the program. A grade of C or better must be earned in all prerequisite courses. Any repeated course is subject to the SIUE Course Repeat Policy, 1J2.

Additional Curriculum Requirements for All Baccalaureate Students

Senior Assignment

All nursing majors are required to complete a senior assignment. In the traditional and accelerated Bachelor of Science (ABS) programs, students will complete a senior assignment project in NURS 481 or 490. A capstone review course, NURS 483, is also required for all traditional and ABS students. In the accelerated RN to BS program, students will complete their senior assignment in NURS 484R and 480R or NURS 606 and 490R (accelerated undergraduate to graduate option). At the end of NURS 481, 480R, 490 or 490R students will present their senior assignment project to course participants, course faculty and other invited faculty. Students in NURS 481, 480R or 490/490R will complete a capstone reflection summarizing the development of the student from admission to the nursing program to graduation as a baccalaureate prepared professional nurse.

Standardized Exams

Traditional option program for licensure and accelerated option students admitted to the School of Nursing are required to take standardized exams throughout the curriculum.

Student Transportation to Clinical Practicum

Students are required to travel to a variety of clinical sites for the practicum experiences. Students are responsible for arranging their own transportation to all clinical sites. Because public transportation may not be available at all locations, students may need to utilize carpooling or ride-sharing options; however, ownership of a personal vehicle is not required. Clinical sites are located within a 90 mile radius of SIUE campus.

Health/Background Check Information

After admission into the traditional and ABS nursing programs, at the student's expense, the following information is required to be submitted to the vendor in accordance with the timeline provided by the School of Nursing. The Baccalaureate Student Handbook, issued to students accepted into the School of Nursing, contains full details.

- Copy of a physical exam (according to School of Nursing guidelines)
- Immunization history plus (annual TB skin test and influenza injection required; COVID-19 vaccine or exemption approval required)
- Proof of American Heart Association (AHA) CPR certification (must maintain active status)
- Proof of health insurance, Criminal background check, Drug screen

Retention

Students must achieve a final grade of 75.5% or higher (after rounding) to pass this course and advance to the next sequence. In addition, certain academic assessments must also average 75.5% or higher. The grading scale for the School of Nursing is: A=93-100; B=85-92; C=76-84; D=68-75 and F below 68. Students will be excluded from the School of Nursing if they receive one failing grade (grades below C) in a nursing course.
- All students admitted to the undergraduate nursing program are required to maintain a cumulative GPA of 2.0 or above.
- Students must receive a grade of C or higher for all prerequisite or corequisite courses.

- Students must meet the standards set in the SIUE School of Nursing Performance Standards at https://www.siue.edu/nursing/academic-programs/. Students are subject to all the retention and progression standards as indicated in the SON policy and the SIUE Academic Standards of Performance 1I1.
- Students must meet all mandatory drug screening requirements, health mandates and background checks required by the school of nursing policies.

Accelerated Undergraduate to Graduate Nursing Options

Students in the accelerated BS program may apply for accelerated graduate program options for Master of Science degrees in healthcare nursing administration or nurse educator, and the Doctor of Nursing Practice for the family nurse practitioner program. Students who are eligible to enter these options may replace six credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Graduation Requirements

• Completion of 65 or 66 credit hours for the accelerated Bachelor of Science
• Overall GPA of 2.0 on a 4.0 scale
• Successful completion of School of Nursing curriculum requirements
• Successful completion of capstone project/senior assignment
• C or better in all nursing courses

Sample Curriculum for the Bachelor of Science in Nursing, Post-Baccalaureate Accelerated Option

Year 1 (Fall Semester)

(4) NURS 231 Examination of Role of Professional Nurse
(4) NURS 240 Pathophysiology
(3) NURS 241 Principles of Pharmacology for Nurses
(6) NURS 246 Foundation and Health Assessment Across the Lifespan in Nursing Practice
17 - Total Credits

Year 1 (Spring Semester)

(5) NURS 342 Acute Care Nursing Across the Adult Lifespan
(5) NURS 343 Chronic Care Nursing Across the Adult Lifespan
(4) NURS 454 Reproductive Health and Care of Childbearing Families
(4) NURS 455 Care of Children and Adolescents

18 - Total Credits

Year 1 (Summer Semester)

(5) NURS 374 Mental Health Nursing: Foundations for Practice
(4) NURS 375 Community and Population Health Nursing
(3) NURS 372 Scholarly Inquiry or NURS 604 Evaluating Evidence for Improving Practice (Accel UG-Grad Option Only*)
12 - Total Credits

Year 2 (Fall Semester)

(3) NURS 481 Nursing Leadership in Health Care Systems or (3) NURS 606 Leadership Health Policy with (1) NURS 490 SRA (Accel UG-Grad Option Only*)
(3) NURS 484 Quality, Safety, and the Professional Nurse
(4) NURS 482 Transition to Professional Practice Role
(5) NURS 476 Care of the Person with Complex Needs
(3) NURS 483 Nursing Synthesis and Readiness to Practice
18 or 19 - Total Credits

Total Hours 65 or *66 for the Accelerated UG-Grad Option

+ Students with a 3.25 grade point average or above for the preceding term may be permitted to take more than 12 hours with the approval of the dean or director of their academic unit.

Accelerated RN to BS Nursing

Admission Requirements

An application form is available online, and students are admitted every eight weeks on a rolling basis. Choose the “RN to BS” application link after clicking on “Undergraduate.” An application to the School of Nursing will be considered complete and reviewable for admission when all of the following criteria are met:

- Admission to the University and the School of Nursing (requires submission of the online application for the accelerated registered nurse to Bachelor of Science (RN to BS) program and the $40 application fee).
- Official transcripts from all colleges/universities attended have been sent to SIUE Office of Admissions. Transcripts may be sent electronically to etranscripts@siue.edu.
- Cumulative GPA of 2.0 on a 4.0 scale (includes all college-level courses).

Applicants are responsible for ensuring their materials are received in the School of Nursing. In order for an application to be reviewed, all application materials must be present.

Note: Anatomy/Physiology I and II and Microbiology with a grade of C or higher must be completed prior to enrolling in any nursing courses.

Transfer

Transfer procedures for the accelerated RN to BS option are the same as those stated for the traditional option with the exception of the transfer hours accepted from other baccalaureate level accredited nursing programs. Up to 25% of the nursing curriculum can be accepted as transfer which equates to six semester hours for the accelerated RN to BS option.

Accelerated Graduate Options

Qualified SIUE nursing students are encouraged to apply to a combined degree program that allows you to earn graduate-level credit for courses taken during your undergraduate program. This accelerated option allows students to complete two degrees in less time.

Accelerated RN-BS students may apply for accelerated graduate credit in the following programs:

- Nurse Educator, MS
- Healthcare and Nursing Administration, MS
- Family Nurse Practitioner, DNP

Accelerated RN-BS students who are eligible to enter these options may replace up to seven credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Admission Requirements

SIUE accelerated RN to BS students who meet the following criteria are encouraged to apply:

- Maintain a minimum 3.0 cumulative undergraduate GPA (preferred)
- Maintain a minimum 3.0 undergraduate nursing GPA
- Maintain a minimum 3.0 undergraduate science GPA (preferred)
- Complete undergraduate statistics course with a grade of C or better
- Have less than 32 hours remaining in the accelerated RN to BS curriculum and following the successful completion of NURS 335R, but prior to taking NURS 472R.

Deadlines

Please contact the School of Nursing Recruitment/Admissions Coordinator, nursing@siue.edu to inquire about the deadline for your specific program of interest and term of entry.

How to Apply

1. Contact nursing@siue.edu to request an application link
2. Pay the $40 application fee
3. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate advisor
4. Submit all other required graduate admission application materials, including:
   - Goals statement

- Professional experience
- Three recommendation forms
- Current unencumbered RN license in the state where you plan to complete practicum

Other Program Requirements

- Complete a minimum of 1,872 hours of professional nursing practice experience as a registered nurse prior to enrollment in the first specialization course.
- Successful completion of a drug screen and criminal background check, as specified by the School of Nursing, to be performed after initial acceptance to the program.
- Maintain a 3.0 undergraduate nursing GPA throughout the accelerated RN to BS coursework.
- Students interested in the DNP program must successfully complete an application interview.

Please review the academic policy for program requirements and restrictions.

Degree Requirements

NURS 240R - Pathophysiology
NURS 335R - Health Assessment Strategies to Promote Wellness
NURS 375R - Community and Population Health Nursing
NURS 372R - Scholarly Inquiry
NURS 484R - Quality, Safety and the Professional Nurse
NURS 480R - Nursing Leadership in Healthcare Systems

The accelerated registered nurse to Bachelor of Science in nursing (RN to BS) option in the School of Nursing is designed for students who have previously graduated from associate degree nursing programs and diploma nursing programs. This program is offered in a flexible, entirely online format to accommodate the needs of working registered nurses (RNs). The program format consists of eight-week courses, and can be completed in one year (three semesters) if most of the general education requirements are met at the time of admission. Students may also choose to pursue a slower program progression.

Bridge Process

Once a student entering the RN to BS program provides evidence of a current unencumbered RN license, the School of Nursing will complete an overall assessment of the student's work experience and previously completed community college and university nursing coursework. The School of Nursing may then grant up to 40 or 43 proficiency credits to provide the student with advanced standing in the nursing program. These credits differ from the transfer of courses. If the student's college or university credits are greater than five years old, the candidate will need to submit a portfolio to demonstrate proficiency in the areas in which credit is sought, along with evidence of a current unencumbered RN license.

Applicants who have completed their nursing coursework over five years prior to acceptance into the program are required to submit a portfolio of their professional work prior to their initial course in the program. The portfolio will be reviewed by the RN to BS program director. The proficiency credit is not applied to the student's transcript until successful completion of the bridge courses with a grade of C or better. The proficiency credits will apply towards the nursing major at SIUE.

General Education Requirements for the Accelerated RN to BS Option

Prerequisite Requirements (must have a grade of C or higher)

- Anatomy & Physiology I (BLS, EL) - 4
- Anatomy & Physiology II (BLS, EL) - 4
- Microbiology (LS) - 3

Complete "Immersion" (once your advisor has enrolled you in your courses)

Prior to enrolling in the first nursing course (NURS 240R), it is recommended that students complete the "immersion" to the RN-BS program on Blackboard. This immersion is separated into four modules. The first three modules provide information regarding (1) how to be a successful online student, (2) how to best use the Blackboard tools, and (3) library resources. In the fourth module, the student will demonstrate successful use of many of the

Blackboard tools used in the nursing courses. The “immersion” will be a resource for students throughout the program.

Additional Curriculum Requirements

Senior Assignment

All nursing majors are required to complete a senior assignment. In the accelerated RN to BS program, students will complete their senior assignment in NURS 484R and 480R or NURS 606 and 490R in the accelerated undergraduate to graduate option. The senior assignment for the accelerated RN to BS program is completed remotely. At the end of NURS480R or 490R students will present their senior assignment project to course participants, course faculty and other invited faculty. Students in NURS 480R or 490R will complete a capstone reflection summarizing the development of the student from admission to the nursing program to graduation as a baccalaureate prepared professional nurse.

Student Transportation to Clinical Practicum

Students may be required to travel to clinical sites for the practicum experience. Transportation to those sites is the responsibility of the student.

Health/Background Check Information

At the student's expense, the following must be submitted to the approved vendor and according to the instructions and due dates provided by the School of Nursing:

- Immunization waiver form (provided to student)
- Criminal background check
- Unencumbered RN license (before enrollment in NURS 475R)

Retention

- Students must achieve a grade of 75.5% (rounded) or above to pass a nursing course and progress to the next sequence of courses. The grading scale for the School of Nursing is: A=93-100; B=85-92; C=76-84; D=68-75 and F below 68. Students will be excluded from the School of Nursing if they receive two failing grades (grades below C) in nursing courses.
- All students admitted to the undergraduate nursing program are required to maintain a cumulative GPA of 2.0 or above.
- Students must receive a grade of C or higher for all prerequisite and corequisite courses for nursing. Corequisite courses include BIOL 240B, RA 101, STAT 107 (or STAT 244), and PHIL 225, 320, or 321. Students must complete ENG 101, ENG 102, and ACS 101 or ACS 103 or equivalents with a C or better prior to enrolling in NURS 475R.
- Students must meet the standards set in the SIUE School of Nursing Performance Standards https://www.siue.edu/nursing/academic-programs/. Students are subject to all the retention and progression standards as indicated in the SON policy and the SIUE Academic Standards of Performance 1I1.
- Students must meet all health mandates and background checks required by the school of nursing policies.

Accelerated Undergraduate to Graduate Nursing Options

Students in the accelerated RN to BS program may apply for accelerated graduate program options for Master of Science degrees in healthcare nursing administration or nurse educator, and the Doctor of Nursing Practice degree for the family nurse practitioner program. Students who are eligible to enter these options may replace seven credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Graduation Requirements

• Completion of 120 credit hours for the accelerated registered nurse to Bachelor of Science (RN to BS) option
• Overall GPA of 2.0 on a 4.0 scale
• Successful completion of School of Nursing curriculum and SIUE general education requirements
• Successful completion of capstone project/senior assignment. The senior assignment is completed remotely.
• C or better in all nursing courses

Sample Curriculum

Prerequisites Required for Enrollment in the Program

(4) Anatomy & Physiology I
(4) Anatomy & Physiology II
(3) Microbiology

RN to BS curriculum/prerequisites must have a grade of C or higher.

Prior to registering for the first nursing course (NURS 240R), it is recommended that students complete the "immersion" to the registered nurse to Bachelor of Science (RN to BS) program on Blackboard. This immersion is separated into four modules.

The first three modules provide information regarding:

1. How to be a successful online student
2. How to best use the Blackboard tools
3. Library resources

In the fourth module, students will demonstrate successful use of many of the Blackboard tools used in the nursing courses. The "immersion" will be a resource throughout the program.

Additional Prerequisites Required Before NURS 375R (C grade or higher)

(3) English Composition I
(3) English Composition II
(3) Foundations-Oral Communication
(3) Logic
(3) Statistics
(3) Ethics

Nursing Courses to be Completed (in Order Listed)

(4) NURS 240R Pathophysiology
(3) NURS 335R Health Assessment Strategies to Promote Wellness
(4) NURS 375R Community and Population Health Nursing
(3) NURS 372R Scholarly Inquiry or (3) NURS 604 Evaluating Evidence for Improving Practice (Accel UG-Grad Option Only)
(4) NURS 484R Quality, Safety, and the Professional Nurse (Capstone I)
(4) NURS 480R Nursing Leadership in Health Care Systems (Capstone II) or (3) NURS 606 Leadership and Health Policy AND (1) NURS 490R SRA (Accel UG-Grad Option Only)
22 - Total Credits

Remaining General Education Requirements to be Completed for Degree

(3) Breadth Social Science (BSS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Physical Science (BPS)
(3) Interdisciplinary Course (IS)
(3) Quantitative Reasoning (QR)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
Elective Courses if needed (varies by student)

Traditional

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Nursing major. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Nursing major provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time

freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Nursing major.

Students whose courses were taken at other colleges or universities must submit official transcripts to the Office of Admissions, SIUE, Box 1047 or submit electronically to etranscripts@siue.edu as part of the admission process. In addition, course descriptions obtained from official sources or course syllabi may be requested. Applicants are responsible for ensuring their record is current and complete.

Selected nursing courses will transfer only from baccalaureate programs accredited by the Accreditation Commission for Education in Nursing or Commission on Collegiate Nursing Education. Course syllabi from the school of transfer will be reviewed for approval of credit and placement in the program by the assistant dean for undergraduate programs in consultation with the nursing course leader as appropriate. Typically, nursing courses do not transfer from school to school. Up to 25% or 17 semester hours of the nursing curriculum may be accepted as transfer credit for the traditional option.

Accelerated Graduate Options

Qualified SIUE nursing students are encouraged to apply to a combined degree program that allows you to earn graduate-level credit for courses taken during your undergraduate program. This accelerated option allows students to complete two degrees in less time.

Students in the traditional bachelor's program may apply for accelerated graduate credit in the following programs:

- Nurse Educator, MS
- Healthcare and Nursing Administration, MS
- Family Nurse Practitioner, DNP

Students who are eligible to enter these options may replace up to six credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Admission Requirements

SIUE undergraduate nursing students who meet the following criteria are encouraged to apply:

- Maintain a minimum 3.0 cumulative undergraduate GPA (preferred)
- Maintain a minimum 3.0 undergraduate nursing GPA
- Maintain a minimum 3.0 undergraduate science GPA (preferred)
- Complete undergraduate statistics course with a grade of C or better
- Be within 32 credit hours of bachelor's degree completion at intended entry term
- Eligible to take NURS 472 within one semester of application

Deadlines

Please contact the School of Nursing Recruitment/Admissions Coordinator, nursing@siue.edu to inquire about the deadline for your specific program of interest and term of entry.

How to Apply

1. Contact nursing@siue.edu to request an application link
2. Pay the $40 application fee
3. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate advisor
4. Submit all other required graduate admission application materials, including:
   - Self-reflection statement
   - Two reference forms (For traditional nursing students, references from SIUE nursing faculty are required)

Other Program Requirements

- Completed a minimum 1,872 hours of professional nursing practice experience as a registered nurse prior to enrollment in the first specialization clinical course
- Successful completion of a drug screen and criminal background check, as specified by the School of Nursing, to be performed after initial acceptance to the program
- Maintain a 3.0 undergraduate nursing GPA throughout the BS in nursing coursework

- Pre-licensure students must successfully pass the NCLEX-RN upon graduation and obtain an unencumbered RN license in the state where they plan to complete their graduate practicum experience

Please review the academic policy for program requirements and restrictions.

Degree Requirements

NURS 231 - Examination of the Role of the Professional Nurse
NURS 234 - Human Growth and Nutrition Across the Lifespan in Nursing
NURS 240 - Pathophysiology
NURS 241 - Principles of Pharmacology for Nurses
NURS 246 - Foundation and Health Assessment Across the Lifespan in Nursing Practice
NURS 342 - Acute Care Nursing Across the Adult Lifespan
NURS 343 - Chronic Care Nursing Across the Adult Lifespan
NURS 372 - Scholarly Inquiry (NURS 604 Accel UG-Grad Option Only)
NURS 374 - Mental Health Nursing: Foundations for Practice
NURS 375 - Community and Population Health Nursing
NURS 454 - Reproductive Health and Care of Childbearing Familiess
NURS 455 - Care of Children and Adolescents NURS 476 - Care of the Person with Complex Needs NURS 481 - Nursing Leadership in Health Care Systems (NURS 606 Accel UG-Grad Option Only) NURS 482 - Transition to Professional Practice Role NURS 483 - Nursing Synthesis and Readiness to Practice
NURS 484 - Quality & Safety under NURS 483

General Education Requirements for the Traditional Option

Prerequisite Requirements

All students must complete prerequisite courses with a C or better by the end of the term prior to beginning nursing coursework (NURS). The required prerequisite are ENG 101, ENG 102, ACS 101 or ACS 103, CHEM 120A/124A, PSYC 111, BIOL 140 or BIOL 150, BIOL 240A, BIOL 250.

Additional Requirements

General Education (grade of C or better required) prior to graduation or as indicated

- BIOL 240B (must pass with a C or better within three consecutive terms of beginning NURS 231)
- RA 101
- PHIL 225, PHIL 320 or PHIL 321
- STAT 107 or STAT 244 (prior to NURS 472)

A grade of C or better must be earned in all prerequisite courses.

All science courses must be completed within seven years of admission to the program.

CLEP exams for prerequisite requirements are only accepted if the University accepts the individual exam.

NOTE: Honors students may need an elective course to meet the 120 hours for graduation. Students should check their hours with the School of Nursing advisor.

University general education requirements are listed in the undergraduate academic catalog and noted in the sample curricula.

Health/Background Check Information

After admission into the traditional and ABS nursing programs, at the student's expense, the following information is required to be submitted to the vendor in accordance with the timeline provided by the School of Nursing. The Baccalaureate Student Handbook, issued to students accepted into the School of Nursing, contains full details.

- Copy of a physical exam (according to School of Nursing guidelines)
- Immunization history plus (annual TB skin test and influenza injection required; COVID-19 vaccine or exemption approval required)
- Proof of American Heart Association (AHA) CPR certification (must maintain active status)
- Proof of health insurance
- Criminal background check
- Drug screen

Prior to beginning nursing coursework students

must meet health and safety compliance requirements, to include drug testing, a criminal background check, a physical examination, and several immunizations. Failure to comply with these requirements will result in dismissal from the major.

Retention

- Students must achieve a final grade of 75.5% or higher (after rounding) to pass this course and advance to the next sequence. In addition, certain academic assessments must also average 75.5% or higher. The grading scale for the School of Nursing is:
  A=93-100; B=85-92; C=76-84; D=68-75 and F below 68.
- Students will be excluded from the School of Nursing if they receive two failing grades (grades below C) in nursing courses.
- All students admitted to the undergraduate nursing program are required to maintain a cumulative GPA of 2.0 or above.
  Students must receive a grade of C or higher for all prerequisite and corequisite courses for
- nursing. Corequisite courses include BIOL 240B, RA 101, STAT 107 (or STAT 244), and PHIL 225, 320, or 321.
  Students must meet the competencies standards set in the SIUE School of Nursing Performance Standards at
  https://www.siue.edu/nursing/academic-programs /. Students are subject to all the
- retention and progression standards as indicated in the
  SON policy and the SIUE Academic Standards of Performance 1I1.
  Students must meet all mandatory drug screening requirements, health mandates and background checks required by the school of nursing policies.

Additional Curriculum Requirements for All Baccalaureate Students

Senior Assignment
All nursing majors are required to complete a senior assignment. In the traditional and accelerated Bachelor of Science (ABS) programs, students will complete a senior assignment project in NURS 481 or 490. A capstone review course, NURS 483, is also required for all traditional and ABS students. In the accelerated RN to BS program, students will complete their senior assignment in NURS 484R and 480R or NURS 606 and 490R in the accelerated undergraduate to graduate option. At the end of NURS 481, 480R, 490 or 490R students will present their senior assignment project to course participants, course faculty and other invited faculty. Students in NURS 481, 480R or 490/490R will complete a capstone reflection summarizing the development of the student from admission to the nursing program to graduation as a baccalaureate prepared professional nurse.

Standardized Exams

Traditional option program for licensure and accelerated option students admitted to the School of Nursing are required to take standardized exams throughout the curriculum.

Student Transportation to Clinical Practicum

Students are required to travel to a variety of clinical sites for the practicum experiences. Students are responsible for arranging their own transportation to all sites, which may require carpooling or ride-sharing, as public transportation may not be available and a personal vehicle is not required. Students are responsible for arranging their own transportation to all sites, which may require carpooling or ride-sharing, as public transportation may not be available and a personal vehicle is not required. Clinical sites are located within a 90 mile radius of SIUE campus.

Accelerated Undergraduate to Graduate Nursing Options

Students in the accelerated RN to BS program may apply for accelerated graduate program options for Master of Science degrees in healthcare nursing administration or nurse educator, and the Doctor of Nursing Practice degree for the family nurse practitioner program. Students who are eligible to enter these options may replace seven credits of nursing undergraduate courses with nursing graduate courses, reducing both time and cost involved in attaining a graduate degree.

Graduation Requirements
- Completion of 120 credit hours for the accelerated registered nurse to Bachelor of Science (RN to BS) option
-Overall GPA of 2.0 on a 4.0 scale
- Successful completion of School of Nursing curriculum and SIUE general education requirementsSuccessful completion of capstone project/senior assignment. The senior assignment is completed remotely.
- C or better in all nursing courses

Sample Curriculum for the Bachelor of Science Degree in Nursing, Traditional Option

Year 1 (Fall Semester)

(3) **ENG 101** English Composition I
(3) **ACS 101** Public Speaking or ACS 103 Interpersonal Communication Skills (EREG)
(3) **CHEM 120A** Gen, Org, & Biol Chem I (BPS)
(1) **CHEM 124A** Gen, Org, & Biol Chem Lab (EL)
(3) **BIOL 140** Human Biology (BLS)
(1) FST 101 Succeeding & Engaging at SIUE
14 - Total Credits

Year 1 (Spring Semester)

(3) **ENG 102** English Composition II
(4) **BIOL 250** Bacteriology (LS)
(4) **BIOL 240A** Anatomy & Physiology I (BLS, EL)
(3) **PSYC 111** Foundations of Psychology (BSS)
(3) **QR 101** Quantitative Reasoning or **MATH 150** Calculus I (FQR)
17 - Total Credits

Year 2 (Fall Semester)

(4) NURS 231 Examination of the Roles of the Professional Nurse
(3) NURS 234 Human Growth and Nutrition Across the Lifespan in Nursing
(4) **BIOL 240B** Anatomy & Physiology II (BLS, EL)
(3) **RA 101** Reasoning & Argumentation (FRA)
or **PHIL 212**
14 - Total Credits

Year 2 (Spring Semester)

(4) NURS 240 Pathophysiology (LS)
(3) NURS 241 Principles of Pharmacology for Nurses
(6) NURS 246 Foundation and Health Assessment Across the Lifespan in Nursing Practice
(3) Breadth Fine & Performing Arts (BFPA)
16 - Total Credits

Year 3 (Fall Semester)

(5) NURS 342 Acute Care Nursing Across the Adult Lifespan
(5) NURS 343 Chronic Care Nursing Across the Adult Lifespan
(3) STAT 107 Concepts of Statistics or STAT 244 Statistics (BICS, PS)
(3) Interdisciplinary Course (IS)
16 - Total Credits

Year 3 (Spring Semester)

(3) NURS 372 Scholarly Inquiry or (3) NURS 604 Evaluating Evidence for Improving Practice (Accel UG-Grad Option Only)
(5) NURS 374 Mental Health Nursing: Foundations for Practice
(4) NURS 375 Community and Population Health Nursing (ERGU, EH)
(3) **PHIL 225** Contemp Moral Issues, **PHIL 320** Ethics, or **PHIL 321** Ethics in the Medical Community (BHUM)
15 - Total Credits

Year 4 (Fall Semester)

(4) NURS 454 Reproductive Health and Care of Childbearing Families
(4) NURS 455 Care of Children and Adolescents
(3) NURS 484 Quality, Safety, and the Professional Nurse
(2) Elective
13 - Total Credits

Year 4 (Spring Semester)

(3) NURS 481 Nursing Leadership & Management or (3) NURS 606 Leadership and Health Policy with (1) NURS 490 SRA (Accel UG-Grad Option Only)
(4) NURS 482 Transition to Professional Practice Role
(5) NURS 476 Care of Person with Complex Health Needs
(3) NURS 483 Nursing Synthesis and Readiness to Practice
15 or 16 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. Visit the transfer credit website to find course equivalency guides.

Nutrition

Admission Requirements

Direct Admission Program

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Nutrition major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior.

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW +M OR 19 ACT
- Rank in top 10% High School Graduating Class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Nutrition major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended. These students will meet with the nutrition advisor.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Nutrition major in the Department of Exercise, Sport, and Nutrition Sciences which is housed in the School of Education, Health and Human Behavior. These students will meet with the Office of First Year Transition Advising until they declare their major as Nutrition.

Degree Requirements

General Education Requirements for the Major

Foundations Courses

- ENG 101, 102
- RA 101
- ACS 101 or ACS 103
- QR 101

Breadth Areas

- Fine & Performing Arts (BFPA)
- Humanities (BHUM)
- Information & Communication in Society (BICS)
- Life Science (BLS) - BIOL 140/150, 240A, 240B, 250
- Physical Science (BPS) - CHEM 120A/121A, 120B/121B
- Social Science (BSS) - PSYC 111

Experiences

- Lab (EL) - CHEM 124A/125A, CHEM 124B/125B
- Health (EH) - NUTR 205
- Global Cultures, Race, and Equity Education (EREG) - NUTR 210
- U.S. Race, Gender, and Equity (ERGU) - SOC 111 - Recommend any sociology or anthropology ERGU designated course or students can choose from the approved courses

Interdisciplinary Studies Course

- Any IS course

First Semester Transition (FST) 101 Succeeding & Engaging at SIUE

Major Requirements

- NUTR 205, 210, 250, 319, 327, 401, 408, 409, 411, 421, 464
- KIN 211, 275, 412
- NUTR/KIN 355

Electives (17-19 hours)

Nutrition students may tailor their elective courses to meet their career and graduate school goals. The nutrition program has established pre-professional and graduate school elective suggestions that are commonly required for admission in a wide range of allied health programs that include dietetics, pre-medical, exercise physiology, and health and corporate wellness.

Senior Assignment

Students are required to complete a community based senior assignment project. The nutrition senior assignment challenges students to apply their formal course training into a meaningful and impactful project with a community partner. Nutrition students typically complete their projects at hospital and medical centers, research centers, strength and conditioning organizations, and a wide range of health focused businesses.

Retention

To be retained in the Nutrition program, students must:

- Earn a C or better in Biology 140 or Biology 150 or its equivalent
- Earn a C or better in Chemistry 120A and Chemistry 124A or Chemistry 121A and Chemistry 125A or their equivalents
- Earn a B or better in KIN 275, Introduction to Careers in Nutritional and Exercise Sciences
- Maintain a cumulative GPA of 2.75 or higher

Students in the Nutrition program who are advised in School of Education, Health and Human Behavior Student Services must maintain a 2.75 GPA. Students that fall below a 2.75 GPA will be first placed on programmatic warning for a semester to increase their GPA. Students will be allowed only one programmatic warning during their academic career. Following the programmatic warning, students that continue to fall below the required 2.75 GPA will be placed on departmental probation for one year. Students not regaining the required 2.75 GPA following this period will be dropped from the program and withdrawn from all Nutrition (NUTR) courses. Students may reapply to the Nutrition major once their GPA has reached 2.75. Students may only be on departmental probation once during their academic career and if a student's GPA falls below the required 2.75, they will not be allowed to reapply to the Nutrition program.

Degrees Available at SIUE

- Bachelor of Science, Nutrition

Graduation Requirements

Students must complete all specific program and university requirements which include:

- Complete all specific program requirements
- Complete all general education requirements
- Complete a minimum of 120 credit hours (at least 30 of which must be completed at SIUE and at least 60 of which must be completed at a regionally accredited four-year institution)
- A minimum cumulative GPA of 2.75
- Bachelor of Science requires completion of eight lecture courses in life, physical or social science, including two with labs (EL). Visit the transfer credit website to find course equivalency guides.

Nutrition Minor

The Department of Exercise, Sport, and Nutrition Sciences offers a minor in nutrition, which may be selected by majors in any field. The minor consists of 18 semester hours. Students are required to take NUTR 205, 210, 250, and 327. The remaining six hours are chosen from the following courses: NUTR 355, 375, 401, 408, and 411.

Applicants to the nutrition minor must:

- Have a minimum cumulative GPA of 2.75 or higher

To be retained, minors must:

- Maintain a GPA of 2.75 in their SIUE coursework
- Obtain a grade of C or better in all nutrition minor classes

Nutrition students falling below the required retention requirements will be placed on probation for one year. Students not regaining retention standards following this period will be dropped from the minor and withdrawn from nutrition courses. Students may reapply to the nutrition minor once the retention standards have been met.

Sample Curriculum for the Bachelor of Science in Nutrition

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3-4) **CHEM 120A** General, Orgc and Biol Chemistry

(BPS*) or **CHEM 121A** General Chemistry
(1) **CHEM 124A** General, Orgc and Biol Chemistry Lab (EL*) or **CHEM 125A** General Chemistry Lab I (EL*)
(1) FST 101 Succeeding & Engaging at SIUE
(3) KIN 275 Introduction to Careers in Nutrition and Exercise Sciences
14-15 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) PSYC 111 Foundations of Psychology (BSS)
(3) Experience U.S. Race, Gender, and Equity (ERGU; SOC or ANTH recom)
(3) **NUTR 250** Intro to Human Nutrition
(3-4) **CHEM 120B** General, Orgc and Biol Chemistry (BPS*) or **CHEM 121B** General Chemistry (BPS*)
(1) **CHEM 124B** General, Orgc and Biol Chemistry Lab (EL*) or **CHEM 125B** General Chemistry Lab II (EL*)
16-17 - Total Credits

Year 2 (Fall Semester)

(3) NUTR 205 Food Science (EH)
(3) RA 101 Reasoning and Argumentation
(3-4) **BIOL 140** or **BIOL 150** (BLS*)
(3) Breadth Fine and Performing Arts (BFPA)
(3) Elective
15-16 - Total Credits

Year 2 (Spring Semester)

(3) NUTR 210 Food and Culture (EREG)
(3) **KIN 211** Medical Terminology (offered in winter session)
(4) **BIO 240A** Anatomy & Physiology I*
(3) QR 101 Quantitative Reasoning
(3) Elective
16 - Total Credits

Year 3 (Fall Semester)

(4) **BIOL 240B** Anatomy and Physiology II*
(3) NUTR 327 Lifecycle Nutrition
(3) Breadth Humanities (BHUM)
(3) Elective
(3) Breadth Info and Communication in Society (BICS)
16 - Total Credits

Year 3 (Spring Semester)

(4) **BIOL 250** Bacteriology*
(3) NUTR 401 Nutrition Ed & Counseling
(3) NUTR 355/KIN 355 Sports Nutrition and Supplements
(3) Interdisciplinary Studies (IS)
(3) Elective
16 - Total Credits

Year 4 (Fall Semester)

(3) NUTR 319 Nutrition Biochemistry
(3) NUTR 408 Food Service Management I
(3) NUTR 411 Intro Medical Nutrition Therapy
(3) Elective
12 - Total Credits

Year 4 (Spring Semester)

(3) NUTR 409 Large Quantity Food Prep
(3) NUTR 421 Medical Nutrition Therapy II
(3) NUTR 464 Senior Assignment in Nutrition
(3) KIN 412 Biology of CVD and Metabolic Disease
(3) Elective
15 - Total Credits

Total Hours 120

*The University requires students earning a BS degree to complete at least eight courses in the sciences (life, physical or social), including, as part of those eight courses, two courses designated as labs (EL).

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful

course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Online Degree Completion Business Administration

Admission Requirements

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Business provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Business.

Progression

To be classified as a Business Administration major, students must:

- Have a minimum cumulative combined GPA of 2.25 in all prior college coursework
- Complete equivalents of the following SIUE courses with a grade of C or higher:
  - ENG 101
  - ENG 102
  - CMIS 108
  - ECON 111
  - ECON 112
  - MATH 120
  - ACS 101
- Students may take College Level Examination Program (CLEP) tests to earn credit for CMIS 108, ECON 111, ECON 112 and ACCT 200. Students who have not completed ACS 101 can take a proficiency exam to meet this requirement. To learn more or to schedule a proficiency exam, please contact Testing Services at testingservices@siue.edu or 618-650-1246.
- Students who do not meet requirements to be admitted directly to the program can apply to SIUE and may be eligible for online general education courses.

Application Deadlines

Students should complete their application for admission before the following preferred deadlines. Applications received after the deadline will be considered, but admission is not guaranteed.

- Fall Semester - August 1
- Spring Semester - December 1
- Summer Term - April 1

International students should review additional requirements before applying for online instruction.

An application is considered complete and ready for review when all requirements have been met and supporting documents have been received. A complete application includes:

- An application for admission
- Payment of application fee
- Receipt of official transcripts from all previously attended and current colleges. (Students who have attempted fewer than 30 semester hours must meet additional policy requirements and should contact the Office of Online Student Services at online@siue.edu.)

Before applying to the Bachelor of Science in business administration (BSBA) online degree completion program, students may find it helpful to consult with an advisor in the School of Business Student Services office to discuss the application process and plan a program of study.

Sample Online Degree Completion Plan for Bachelor of Science in Business Administration (Fall Start)

This sample degree completion plan assumes completion of AA or AS and required prerequisites. Based on your prior coursework, this plan might look different for you. You will work directly with your academic advisor to finalize a plan that meets your needs and graduation requirements.

For elective courses, you will work with your academic advisor to select a course that fulfills the requirement(s).

Courses are primarily taken in accelerated parts of

term. In Fall term, courses are typically offered as 8-week courses from August to October & October to December. Winter Session, a part of Spring term, is a 3-week course from December to January. In Spring term, courses are typically offered as 8-week courses from January to March & March to May. There are a variety of accelerated parts of term in Summer term. There are 5-week courses (primarily months of June & July), 10-week courses (June through July), 8-week courses (May through June or June through July), & 3 week courses in May. Only one course can be taken at a time in 3-week parts of term, Winter Session & May Session.

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(1) GBA 301
(3) MGMT 330
(3) MGMT 331
(6) Electives
13 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) MKTG 300
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) ACCT 200*
(3) GBA 383*
(3) Business Elective
(3) Elective
12 - Total Credits

Year 1 Summer Term

(3) MS 250*
(3) Business Elective
6 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(4) MS 251*
(3) Business Elective
(3) ACCT 210*
(3) FIN 320*
13 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) CMIS 342*
(3) SCM 315*
(3) MGMT 441*
(1) GBA 402
(3) Business Elective
13 - Total Credits

*This course has a prerequisite.

Other Online Business Courses:

Fall Term

ACCT 200*
CMIS 342*
GBA 402
MGMT 441*
SCM 315*

Spring Term

ACCT 210*
FIN 320*
GBA 301
MGMT 330
MGMT 331

Summer Term

GBA 383*
MKTG 300
Business Electives

Degree Requirements

Students with an AA or AS degree and business prerequisite courses can complete the BSBA online program in as little as 24 months if attending as a full-time student.

Business Coursework Required (48 semester hours)

- ACCT 200 - Fundamentals of Financial Accounting*
- ACCT 210 - Managerial Accounting*
- CMIS 342 - Information Systems for Business
- FIN 320 - Financial Management
- GBA 301 - Business Transitions I (1 credit hour course)
- GBA 402 - Business Transitions II (1 credit hour course)
- GBA 383 - Business and Society
- MS 250 - Mathematical Methods* (Only offered in summer. Math 150 can substitute for MS 250 and Math 120 with grade of C or higher.)
- MS 251 - Statistical Analysis for Business Decisions* (Only offered in fall.)
- MGMT 330 - Understanding the Business Environment
- MGMT 331 - Managing Group Projects
- MGMT 441 - Strategic Management*
- MKTG 300 - Principles of Marketing
- SCM 315 - Operations Management
- Business Elective Courses (12 semester hours required)

*Grade of C or higher required in this course no matter where taken.

General Elective Coursework (9 semester hours)

Credit will be needed to meet University credit hour requirements. The exact number will be determined once credits from all schools have been transferred. This will vary based on the institutions attended (two-year/four-year) and if any lower-level business courses (i.e. ACCT 200, ACCT 210, MS 250, MS 251) have been transferred.

Transfer Credit

ACCT 200, ACCT 210, MS 250 and MS 251 may have been earned in prior courses or as part of an associate degree program and may transfer into the BSBA online degree completion program. A grade of C or higher is required. If students have transferred any of these lower-level business courses, adjustments to general elective hours will be made as needed. Transfer students may contact the School of Business Student Services office with questions regarding transferability and equivalency of business coursework completed at other institutions. Visit the transfer credit website for course equivalency guides.

Total Credit Hours Required (120 semester hours)

Total four-year college hours required: 60 semester hours
Total SIUE credit hours required: 30 semester hours
Minimum SIUE GPA required: 2.25
Minimum GPA in business courses taken at SIUE: 2.25

Degrees Available at SIUE

- Bachelor of Science in Business Administration

Online Degree Completion Criminal Justice

Admission Requirements

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to Criminal Justice Studies in the College of Arts & Sciences, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to Criminal Justice Studies in the College of Arts & Sciences.

Consider the following transfer credit hour guidelines:

- Up to 12 hours of criminal justice transfer credit with grades of C or better may be accepted.
- Up to 15 hours of transfer credit may be accepted for the following courses completed at Illinois universities and community colleges as recommended under the Illinois Articulation Agreement. Additional transfer hours may be used if approved by criminal justice advisors and/or the department chair.
  - CJ 111, CJ 202, CJ 205, CJ 206 and CJ 273

Students who do not meet requirements to be admitted directly to the program can apply to SIUE and may be eligible for online general education courses.

Preferred Application Deadlines

Students should complete their application for admission before the following preferred deadlines. Applications received after the deadline will be considered, but admission is not guaranteed.

- Fall Semester - August 1
- Spring Semester - December 1
- Summer Term - April 1

International students should review additional requirements before applying for online instruction.

An application is considered complete and ready for review when all requirements have been met and supporting documents have been received. A complete application includes:

- An application for admission
- Payment of application fee
- Receipt of official transcripts from all previously attended and current colleges.

Degree Requirements

Completion of all general education requirements or an AA or AS degree from an accredited institution.

Students majoring in criminal justice studies are required to maintain a cumulative average of C or better in their criminal justice coursework.

Complete one of the following diversity of knowledge areas.

- Bachelor of Arts - At least eight courses in the fine and performing arts and humanities, which includes a two-semester sequence of a foreign language (FL).
- Bachelor of Science - At least eight courses in the sciences (life, physical or social), which includes two courses designated as labs (LAB).

Total Credit Hours

A total of 120 credit hours are required to complete the degree.

- 30 of which must be earned at SIUE
- 60 credit hours must be earned at an accredited four-year institution

Criminal Justice Courses

The following required courses must be completed with a grade of C or better. (42 credit hours)

- CJ 111: Introduction to Criminal Justice
- CJ 202: Introduction to Corrections
- CJ 206: Principles of Criminal Law
- CJ 208: Introduction to Law Enforcement
- CJ 273: Crime, Theory and Practice

- CJ 302: Research Methods in Criminal Justice
- CJ 303: Data Analysis in Criminal Justice
- CJ 366: Race and Gender in Criminal Justice
- CJ 488: Supervised Internship/Senior Assignment

Electives
Students must complete 15 credit hours of criminal justice electives with a 2.0 average GPA.

Degrees Available at SIUE

- Bachelor of Arts, Criminal Justice Studies
- Bachelor of Science, Criminal Justice Studies

Sample Online Degree Completion Plan for Bachelor of Arts or Bachelor of Science in Criminal Justice Studies (Fall Start)

This sample degree completion plan assumes completion of AA or AS and required prerequisites. Based on your prior coursework, this plan might look different for you. You will work directly with your academic advisor to finalize a plan that meets your needs and graduation requirements.

Courses are primarily taken in accelerated parts of term. In Fall term, courses are typically offered as 8-week courses from August to October & October to December. Winter Session, a part of Spring term, is a 3-week course from December to January. In Spring term, courses are typically offered as 8-week courses from January to March & March to May. There are a variety of accelerated parts of term in Summer term. There are 5-week courses (primarily months of June & July), 10-week courses (June through July), 8-week courses (May through June or June through July), & 3 week courses in May. Only one course can be taken at a time in 3-week parts of term, Winter Session & May Session.

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) CJ 111
(3) BA/BS Requirements
(3) CJ 202
(3) BA/BS Requirements
12 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) CJ Elective
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) CJ 206
(3) CJ 208
(3) CJ 273
(3) BA/BS Requirements
12 - Total Credits

Year 1 Summer Term

(6) CJ Electives
(3) BA/BS Requirements
9 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) CJ 302
(3) CJ 366
(3) CJ 303
(3) BA/BS Requirements
12 - Total Credits

Year 2 Winter Session (3 week course: Dec-Jan)

(3) BA/BS Requirements
3 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) CJ 488*
(6) CJ Electives
(3) Interdisciplinary Studies
12 - Total Credits

*CJ 488 will be offered in a 16-week format in fall and spring, and a 10-week format in summer.

Electives and Minor Options

- A variety of elective course options are available each semester/session.
- While a minor is not required, students who need additional credit hours may consider a minor in

the following areas:
    - Sociology
    - Other minor options may be available. Please consult with your academic advisor.

Course Availability

- Criminal justice studies courses, as well as general education and minor/elective courses, are available each semester.

Please work closely with your academic advisor to determine your course plan. We support your needs by offering flexible, accelerated courses.

Online Degree Completion Leadership In Organizations

Admission Requirements

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to Integrative Studies, Leadership in Organizations, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to Integrative Studies, Leadership in Organizations.

Students who do not meet requirements to be admitted directly to the program can apply to SIUE and may be eligible for online general education courses.

Application Deadlines

Students should complete their application for admission before the following preferred deadlines. Applications received after the deadline will be considered, but admission is not guaranteed.

- Fall Semester - August 1
- Spring Semester - December 1
- Summer Term - April 1

International students should review additional requirements before applying for online instruction.

An application is considered complete and ready for review when all requirements have been met and supporting documents have been received. A complete application includes:

- An application for admission
- Payment of application fee
- Receipt of official transcripts from all previously attended and current colleges. (Students who have attempted fewer than 30 semester hours must meet additional policy requirements and should contact the Office of Online Student Services at online@siue.edu.)

Sample Online Degree Completion Plan for Bachelor of Science in Integrative Studies, Leadership in Organizations (Fall Start)

This sample degree completion plan assumes completion of AA or AS and required prerequisites. Based on your prior coursework, this plan might look different for you. You will work directly with your academic advisor to finalize a plan that meets your needs and graduation requirements.

Courses are primarily taken in accelerated parts of term. In Fall term, courses are typically offered as 8-week courses from August to October & October to December. Winter Session, a part of Spring term, is a 3-week course from December to January. In Spring term, courses are typically offered as 8-week courses from January to March & March to May. There are a variety of accelerated parts of term in Summer term. There are 5-week courses (primarily months of June & July), 10-week courses (June through July), 8-week courses (May through June or June through July), & 3 week courses in May. Only one course can be taken at a time in 3-week parts of term, Winter Session & May Session.

Full Time, Rapid Completion-24 months

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 340
(3) BS Requirement/Elective
(3) SOC 301
(3) SOC 323
12 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) PSYC 320
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) PSYC 365
(3) SOC 308

(3) SOC 423
9 - Total Credits

Year 1 Summer Term

(3) PSYC 350 or PSYC 421
(3) SOC 304
6 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 473
(3) Elective
(3) INTG 300* (16 week course)
(3) Elective
12 - Total Credits

Year 2 Winter Session (3 week course: Dec-Jan)

(3) SOC 338
3 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) PSYC 474
(3) INTG 499* (16 week course)
(3) Elective
9 - Total Credits

Year 2 Summer Term

(3) PSYC 411
(3) SOC 431
6 - Total Credits

*INTG 300 & INTG 499 will be offered in a 16-week format in fall and spring. INTG 499 may be offered in a 10-week format in summer.

Part Time, 3-year Completion

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 340
(3) SOC 301
6 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) PSYC 320
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) PSYC 365
(3) SOC 308
6 - Total Credits

Year 1 Summer Term

(3) PSYC 350 or PSYC 421
(3) SOC 304
6 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 473
(3) SOC 423
6 - Total Credits

Year 2 Winter Session (3 week course: Dec-Jan)

(3) SOC 338
3 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) PSYC 474
(3) SOC 323
6 - Total Credits

Year 2 Summer Term

(3) PSYC 411
(3) SOC 431
6 - Total Credits

Year 3 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) BS Requirement/Elective
(3) INTG 300* (16 week course)
6 - Total Credits

Year 3 Winter Session (3 week course: Dec-Jan)

(3) Elective
3 - Total Credits

Year 3 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) INTG 499* (16 week course)
(3) Elective
6 - Total Credits

Degree Requirements

Completion of all general education requirements or an AA or AS from an accredited Illinois institution. If you have specific questions about this requirement, contact Dawn Huckelberry at dreed@siue.edu.

Required Courses

SOC 301 Survey of Theory
SOC 304 Race and Ethnic Relations
SOC 308 Gender and Society
SOC 323 Sustainability in Organizations
SOC 338 Sociology at Work
SOC 423 Social Justice and Leadership
SOC 431 Employment and Workplace Change

PSYC 320 Introduction to Industrial/Organizational Psychology
PSYC 340 Theories of Personality
PSYC 350 Survey Research or PSYC 421

Year 3 Summer Term

(3) Elective
3 - Total Credits

*INTG 300 & INTG 499 will be offered in a 16-week format in fall and spring. INTG 499 may be offered in a 10-week format in summer.

Please work closely with your academic advisor to determine your course plan. We support your needs by offering flexible, accelerated courses.

Psychological Tests and Measure
PSYC 365 Group Dynamics and Individual Behavior
PSYC 411 Psychology of Sustainable Behavior
PSYC 473 Personnel Psychology
PSYC 474 Organizational Psychology

INTG 300 Foundations of Integrative Studies
INTG 499 Senior Assignment

Total Credit Hours

At least 120 credit hours, at least 30 of which must be earned at SIUE.
At least 60 credit hours must be earned at an accredited four-year institution.
At least 60 credit hours must be at the 200-level or above.
Cumulative GPA of at least 2.0.

Degrees Available at SIUE

- Bachelor of Science, Integrative Studies

Online Degree Completion Psychology

Admission Requirements

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to Psychology in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to Psychology in the School of Education, Health and Human Behavior.

Students who do not meet requirements to be admitted directly to the program can apply to SIUE and may be eligible for online general education courses.

Preferred Application Deadlines

Students should complete their application for admission before the following preferred deadlines. Applications received after the deadline will be considered, but admission is not guaranteed.

- Fall Semester - August 1
- Spring Semester - December 1
- Summer Term - April 1

International students should review additional requirements before applying for online instruction.

An application is considered complete and ready for review when all requirements have been met and supporting documents have been received. A complete application includes:

- An application for admission
- Payment of application fee
- Receipt of official transcripts from all previously attended and current colleges. (Students who have attempted fewer than 30 semester hours must meet additional policy requirements and should contact the Office of Online Student Services at online@siue.edu.)

Sample Online Degree Completion Plan for Bachelor of Arts or Bachelor of Science in Psychology (Fall Start)

This sample degree completion plan assumes completion of AA or AS and required prerequisites. Based on your prior coursework, this plan might look different for you. You will work directly with your academic advisor to finalize a plan that meets your needs and graduation requirements.

For minor courses, you will work with your academic advisor to select courses that fulfill the requirement.

Courses are primarily taken in accelerated parts of term. In Fall term, courses are typically offered as 8-week courses from August to October & October to December. Winter Session, a part of Spring term, is a 3-week course from December to January. In Spring term, courses are typically offered as 8-week courses from January to March & March to May. There are a variety of accelerated parts of term in Summer term. There are 5-week courses (primarily months of June & July), 10-week courses (June through July), 8-week courses (May through June or June through July), & 3 week courses in May. Only one course can be taken at a time in 3-week parts of term, Winter Session & May Session.

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 111
(3) Minor Course
(3) PSYC 200
(3) Minor Course
12 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) PSYC 300-400 Level
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-

Mar & Mar-May)

(3) PSYC 201, PSYC 204, or PSYC 205
(3) PSYC 206
(3) Minor Course
9 - Total Credits

Year 1 Summer Term

(3) PSYC 208
(6) Minor Courses
9 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) PSYC 220
(3) Minor Course
(3) PSYC 221
(3) Minor Course
12 - Total Credits

Year 2 Winter Session (3 week course: Dec-Jan)

(3) PSYC 300-400 Level
3 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) PSYC 494*
(6) PSYC 400 Level
9 - Total Credits

Year 2 Summer Term

(3) Interdisciplinary Studies (IS 336 recom)
3 - Total Credits

* PSYC 494: Capstone Seminar in Psychology, 16-week course

Degree Requirements

Completion of all general education requirements or an AA or AS from an accredited institution.

Complete one of the following diversity of knowledge areas.

- Bachelor of Arts: At least eight courses in the fine and performing arts and humanities, which includes a two-semester sequence of a foreign language (FL).
- Bachelor of Science: At least eight courses in the sciences (life, physical or social), which includes two courses designated as labs (LAB).

Total Credit Hours
At least 120 credit hours, at least 30 of which must be earned at SIUE.
At least 60 credit hours must be earned at an accredited four-year institution.
Maintain a minimum GPA of 2.0 for work completed at SIUE.

Required Coursework (36 hours)

- PSYC 111 Foundations of Psychology
- PSYC 200 Careers in Psychology
- PSYC 206 Social Psychology
- PSYC 208 Cognitive Psychology
- PSYC 220 Research Design & Statistics I
- PSYC 221 Research Design & Statistics II
- PSYC 494 Capstone Seminar in Psychology

One of the following developmental psychology courses:

- PSYC 201 Child Psychology
- PSYC 204 Adult Development & Aging
- PSYC 205 Lifespan Development

Four psychology electives at the 300 and 400 level (two electives must be at the 400 level).

Minor

Students are required to complete a minor. The following programs offer a variety of online courses:

- Anthropology
- Applied Communication Studies
- Geography
- Sociology

Retention

Majors earning below a 2.0 cumulative GPA at SIUE for two consecutive semesters will be dropped from the psychology program. A grade of C or better is required for a psychology course to count toward the major. In addition, a student will be dropped from the psychology program after two unsuccessful attempts of PSYC 200, 220, 221 or 494. Unsuccessful attempts are defined as receiving the grades of W, WF, WP, WR, UW, U, D or F in a class.

Degrees Available at SIUE

- Bachelor of Arts, Psychology
- Bachelor of Science, Psychology

Online Degree Completion Public Relations

Admission Requirements

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to Applied Communication Studies in the College of Arts & Sciences, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to Applied Communication Studies in the College of Arts & Sciences.

Students who do not meet requirements to be admitted directly to the program can apply to SIUE and may be eligible for online general education courses.

Application Deadlines

Students should complete their application for admission before the following preferred deadlines. Applications received after the deadline will be considered, but admission is not guaranteed.

- Fall Semester - August 1
- Spring Semester - December 1
- Summer Term - April 1

International students should review additional requirements before applying for online instruction.

An application is considered complete and ready for review when all requirements have been met and supporting documents have been received. A complete application includes:

- An application for admission
- Payment of application fee
- Receipt of official transcripts from all previously attended and current colleges. (Students who have attempted fewer than 30 semester hours must meet additional policy requirements and should contact the Office of Online Student Services at online@siue.edu.)

Sample Online Degree Completion Plan for Bachelor of Arts or Bachelor of Science in Applied Communication Studies (Fall Start)

This sample degree completion plan assumes completion of AA or AS and required prerequisites. Based on your prior coursework, this plan might look different for you. You will work directly with your academic advisor to finalize a plan that meets your needs and graduation requirements.

For minor courses, you will work with your academic advisor to select courses that fulfill the requirement.

Courses are primarily taken in accelerated parts of term. In Fall term, courses are typically offered as 8-week courses from August to October & October to December. Winter Session, a part of Spring term, is a 3-week course from December to January. In Spring term, courses are typically offered as 8-week courses from January to March & March to May. There are a variety of accelerated parts of term in Summer term. There are 5-week courses (primarily months of June & July), 10-week courses (June through July), 8-week courses (May through June or June through July), & 3 week courses in May. Only one course can be taken at a time in 3-week parts of term, Winter Session & May Session.

Year 1 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) ACS 213
(3) Minor Course
(3) ACS 200
(3) Minor Course
12 - Total Credits

Year 1 Winter Session (3 week course: Dec-Jan)

(3) Minor Course
3 - Total Credits

Year 1 Spring Term (8 week courses: Jan-

Mar & Mar-May)

(3) ACS 312
(3) ACS 313
(3) ACS Elective
(3) ACS 315
12 - Total Credits

Year 1 Summer Term

(3) ACS 330
(3) ACS 329
6 - Total Credits

Year 2 Fall Term (8 week courses: Aug-Oct & Oct-Dec)

(3) ACS 413
(3) Minor Course
(3) ACS Elective
(3) Minor Course
12 - Total Credits

Year 2 Winter Session (3 week course: Dec-Jan)

(3) Interdisciplinary Studies (IS)
3 - Total Credits

Year 2 Spring Term (8 week courses: Jan-Mar & Mar-May)

(3) ACS 414
(3) Minor Course
(3) ACS 415
(3) Minor Course
12 - Total Credits

Degree Requirements

Completion of all general education requirements or an AA or AS from an accredited institution.

Total Credit Hours

At least 120 credit hours, at least 30 of which must be earned at SIUE.
At least 60 credit hours must be earned at an accredited four-year institution.
Maintain a minimum GPA of 2.0 for work completed at SIUE.

Required Coursework

- ACS 200: Advanced Public Speaking
- ACS 213: Introduction to Public Relations
- ACS 312: Public Relations Theory and Application
- ACS 313: Writing for Public Relations
- ACS 315: Technology Applications for Public Relations
- ACS 330: Theories of Communication
- ACS 329: Communication Research Methods
- ACS 413: Case Studies in Public Relations
- ACS 414: Public Relations Campaigns I: Research and Planning
- ACS 415: Public Relations Campaigns II: Implementation and Evaluation

Elective Options

Students are required to complete two elective courses.

- ACS 305: Listening
- ACS 432: Social Media for Public Relations
- ACS 421: Computer Mediated Communication

Minor

Students are required to complete a minor. The following programs offer a variety of online courses:

- Anthropology
- Criminal Justice
- Geography
- Sociology

Degrees Available at SIUE

- Bachelor of Arts, Applied Communication Studies
- Bachelor of Science, Applied Communication Studies

Pharmacy

Admission Requirements

Admissions to the professional program of the SIUE School of Pharmacy are limited and highly competitive. It is anticipated that the instructional resources available to the School will enable approximately 80 new students to be admitted each fall term. For this reason, achieving the minimum pre-pharmacy subject and grade criteria does not guarantee admission. In selecting students for admission, the School will consider the applicant's pre-pharmacy curriculum GPA, and pre-pharmacy GPA in science and mathematics courses. Only college level coursework is considered in these GPA calculations. Other evaluation criteria include letters of recommendation, and an on-campus interview which includes a formal writing assessment.

There are four pathways to gain admission into the pharmacy program: (1) traditional student; (2) High School Conditional Entry Program (CEP) student; (3) College Conditional Entry Program or (4) transfer student.

Traditional Student

Traditional students should begin the application process one year before their anticipated enrollment in the SIUE School of Pharmacy. The SIUE School of Pharmacy uses the Pharmacy College Application Service (PharmCAS).

To be considered for admission to the PharmD program in the School of Pharmacy, candidates must:

- Complete the pre-pharmacy curriculum by the end of the spring term prior to planned enrollment in the School of Pharmacy.
- All courses listed in the pre-pharmacy curriculum must be completed with a grade of C or better.
- Applicants must have a minimum GPA of 2.75 (on a 4.0 scale) in each of the following:
  - Pre-pharmacy curriculum GPA
  - Pre-pharmacy science and mathematics GPA
- Complete a PharmCAS application and keep the PharmCAS record updated.
- Meet the technical standards for admissions and continued enrollment. For details, please visit the pharmacy website.
- Successfully complete an on-campus professional program interview and writing assessment.

Based on the criteria above, the top candidates will be invited to matriculate in the PharmD program.

High School Conditional Entry Program Student

Incoming freshmen who enter SIUE directly from high school may be considered for the Conditional Entry Program (CEP). The CEP is an early assurance program that allows selected students to earn admission to the SIUE School of Pharmacy. In order to qualify for consideration to the CEP, students must apply to the Meridian Scholars program at SIUE and indicate either pharmacy or pre-pharmacy as an area of intended study on the Meridian Scholars application. On a competitive basis, candidates will be invited to interview and the top candidates will receive a formal invitation to participate in the CEP.

To remain in the CEP, students must do the following:

- Receive no less than a C in all required classes.
- Maintain a campus GPA of 3.5 by the end of the fall semester of their second year.

Students that are removed from the CEP are still eligible to apply to the School of Pharmacy.
To be admitted to the School of Pharmacy via CEP, students must matriculate at SIUE as a freshman and:

- All courses listed in the pre-pharmacy curriculum must be completed with a grade of C or better.
- Applicants must have a minimum GPA of 2.75 (on a 4.0 scale) in each of the following:
  - Pre-pharmacy curriculum GPA
  - Pre-pharmacy science and mathematics GPA
- Complete a PharmCAS application and keep the PharmCAS record updated.
- Meet the technical standards for admissions and continued enrollment. For details, please visit the pharmacy website.
- Successfully complete an on-campus professional program interview and writing assessment.

Based on the criteria above, successful candidates will be invited to matriculate in the PharmD program. For more information on the CEP, contact the School of Pharmacy at pharmacy@siue.edu or 618-650-5150.

College Conditional Entry Program Student

Current SIUE students may be considered for the Conditional Entry Program (CEP). The CEP is an early assurance program that allows selected students to earn admission to the SIUE School of Pharmacy. In order to qualify for consideration to the CEP, students must have completed BIOL 150, CHEM 121A, and CHEM 125A and have a GPA of 3.5 or above. On a competitive basis, candidates will be invited to interview and the top candidates will receive a formal invitation to participate in the CEP.

To remain in the CEP, students must do the following:

- Receive no less than a C in all required classes.
- Maintain a campus GPA of 3.5 by the end of the fall semester of their second year.

Students that are removed from the CEP are still eligible to apply to the School of Pharmacy.

To be admitted to the School of Pharmacy via CEP, students must:

- All courses listed in the pre-pharmacy curriculum must be completed with a grade of C or better.
- Applicants must have a minimum GPA of 2.75 (on a 4.0 scale) in each of the following:
  - Pre-pharmacy curriculum GPA
  - Pre-pharmacy science and mathematics GPA
- Complete a PharmCAS application and keep the PharmCAS record updated.
- Meet the technical standards for admissions and continued enrollment. For details, please visit the pharmacy website.
- Successfully complete an on-campus professional program interview and writing assessment.

Based on the criteria above, successful candidates will be invited to matriculate in the PharmD program. For more information on the CEP, contact the School of Pharmacy at pharmacy@siue.edu or 618-650-5150.

Transfer Student

The SIUE School of Pharmacy may accept students with advance standing into the second year (P2) cohort subject to available positions in each class. An advanced standing admissions committee will evaluate all applicants applying with prior credits from another ACPE accredited degree program in pharmacy. Advanced standing admission can only be offered in fall semesters. To be considered for admission, students with advanced standing are required to:

- Complete the advanced standing (transfer student) application form.
- Be currently enrolled in an ACPE accredited professional PharmD curriculum.
- Provide the SIUE School of Pharmacy with official transcripts for all college coursework.
- Have a minimum GPA of 3.0 (on a 4.0 scale) for all completed college coursework.
- Have a minimum grade of C in all college courses.
- Pay a $250 application fee.

Applications must be submitted no later than January 31st, with the intent to enroll in the fall semester.

Degree Requirements

General Education Requirements for the Major

Students pursuing the PharmD degree are not required to complete the University general education requirements. However, students are required to complete the pre-pharmacy curriculum listed below. Completion of the pre-pharmacy course requirements does not guarantee admission to the SIUE School of Pharmacy. In addition, courses that will meet the SIUE pre-pharmacy requirements may not meet the requirements for completion of other majors at SIUE.

Pre-Pharmacy Curriculum

- BIOL 150, 151, 240A, 240B
- BIOL 250 or BIOL 350 (BIOL 220 is a prerequisite for BIOL 350)
- CHEM 121A, 121B, 125A, 125B, 241A, 241B, 245
- ECON 111 or ECON 112

- ENG 101, 102
- MATH 150 or MATH 145
- PHYS 131/131L
- STAT 244
- RA 101 or any PHIL
- SOC 111 or PSYC 111
- ACS 101 or ACS 103

Degree Requirements PharmD

- PHAS 708, 709, 716, 728N, 733N, 754, 756
- PHEP
  719A, 719B, 739A, 739B, 751, 759A, 759B, 780, 781, 782, 783, 784*, 789
- PHPR 710, 711, 713N, 717,
  718A, 718B, 735N, 738A, 738B, 744, 758A, 758B
- PHPS
  700, 701, 702, 703, 704, 705N, 707N, 712, 720N
- PHPT
  730A, 730B, 730C, 730D, 750A, 750B, 750C, 750D
- Electives**

* Students must repeat PHEL 784 to accumulate 18 credit hours for graduation

** Students are required to accumulate 10 elective credits for graduation. Approved internal and external electives are listed below. Students may apply no more than five hours of external electives and four hours of independent study toward completion of elective hours. Exceptions can be made in certain situations for students in the concurrent degree programs with the approval of the Office of Professional and Student Affairs.

Approved Internal Electives

PHEL courses

Approved External Electives

This list contains classes that may be of interest to PharmD students to fulfill elective requirements. The inclusion of a course on this list does not imply direct application to pharmacy, but may allow the student to develop areas of personal interest or to expand their understanding of professional opportunities. If interested in one of these courses, the student must contact SOP Office of Professional and Student Affairs to inquire about enrollment procedures. The curriculum committee is not promoting and cannot guarantee enrollment in the following courses. The committee will perform quality assurance measures to continually assess the inclusion of courses on this list:

- ACS 403
- ENG 491
- HONS 499
- PHIL 321
- PSYC 431
- PBHE 598
- SOCW 420 (Students cannot earn credit toward the PharmD for both SOCW 420 chemical dependency and PHEL 768E addiction.)

American Pharmacists Association (The university issuing the credits may vary from year to year.)

- APhA Institute on Alcoholism and Drug Dependencies

Wingate University

- PHAR 881 Sports Pharmacy

University of Florida

- PHA6935 Veterinary Pharmacy
- PHA6935 History in Pharmacy
  Leadership (Students cannot earn credit toward the PharmD for both PHA6935 History in Pharmacy Leadership and PHEL 793E History of Pharmacy Leadership.)
- PHA6357 Herbal and Dietary Supplements

University of Wyoming

- PHCY 5240 Pharmaceutical Homicide Prevention
- PHCY 5670 Medication Malpractice

Additional requirements may be expected for professional pharmacy students. See individual instructor for specific information.

Retention

- Maintain a cumulative grade point average of 2.00 or higher in the professional program.
- Receive no more than six credit hours of an F and/or WF grade in any combination of didactic courses and remain eligible for graduation. All F and/or WF grades must be remediated successfully.
- Receive no more than two credit hours of “no

credit" grades in pass/no credit courses and remain eligible for graduation. All "no credit" grades must be remediated successfully.
- Receive no more than one grade of F and/or WF in an advanced pharmacy practice experience, even if the initial F or WF grade was successfully remediated, and remain eligible for graduation. All F and/or WF grades must be remediated successfully.
- Remain continuously enrolled as a full-time student and complete the Doctor of Pharmacy program within six years of entering the program.
- Receive no more than one grade of F and/or WF in IPPE III or IPPE IV, even if the initial F or WF grade was successfully remediated, and remain eligible for graduation. All F and/or WF grades must be remediated successfully.
- Must successfully remediate F, WF or "no credit" grades within 12 months
- Cannot receive a second suspension

Students failing to meet the above criteria may receive academic counseling, be put on academic probation, follow a remediation plan, or receive a dismissal recommendation from the academic standards and progression committee.

Degrees Available at SIUE

- Doctor of Pharmacy (PharmD), specializations available in the following
  - Acute Care
  - Education
  - Pediatric
  - Psychiatric
- PharmD and Master of Business Administration concurrent degrees (PharmD/MBA)
- PharmD and Master of Public Administration (PharmD/MPA)
- PharmD and Master of Public Health (PharmD/MPH)
- PharmD and Master of Science in Healthcare Informatics concurrent degrees (PharmD/MSHI)
- PharmD and Master of Science in Pharmaceutical Sciences (PharmD/MSPS)

Admission Pathway

- PharmD to Physician Assistant (SIU School of Medicine)

Graduation Requirements

Students must complete the curriculum in accordance with progression guidelines to be eligible for graduation from the PharmD program.

Students are eligible to graduate when all of the following criteria have been met:

- Students must successfully complete the PharmD curriculum as approved by the faculty in the School of Pharmacy.
- Students must complete 10 credit hours of electives.
  - No more than five elective credit hours can be external elective hours (except those enrolled in a concurrent degree program)
  - No more than four elective credit hours can be independent study hours
- Students must be in academic good standing.
  - Students must have a cumulative GPA of 2.0 or above.
  - Students cannot have more than eight cumulative credit hours of D grades in courses applied towards the PharmD degree.
  - Students cannot have any F grades in courses applied towards the PharmD degree.
  - Students cannot have any "no credit" grades in courses applied towards the PharmD degree.

Sample Pre-Pharmacy Curriculum

Year 1 (Fall Semester)

(4) CHEM 121A General Chemistry I
(1) CHEM 125A General Chemistry Lab I
(3) ENG 101 English Composition I
(5) MATH 150 Calculus I or MATH 145 Calculus for the Life Sciences
(4) BIOL 150 Intro to Biological Sciences I
(1) FST 101 Succeeding & Engaging at SIUE
18 - Total

Year 1 (Spring Semester)

(4) BIOL 151 Intro to Biological Sciences II
(4) CHEM 121B General Chemistry II
(1) CHEM 125B General Chemistry II Lab
(3) ECON 111 Principles of Macroeconomics or ECON 112 Prinicples of Microeconomics

(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
18 - Total

Year 2 (Fall Semester)

(4) BIOL 240A Human Anatomy & Physiology I
(3) CHEM 241A Organic Chemistry I
(5) PHYS 131/PHYS 131L College Physics I
(3) RA 101 Reasoning & Argumentation (recommended) or any PHIL course
(3) SOC 111 Introduction to Sociology or PSYC 111 Foundations of Psychology
18 - Total

Year 2 (Spring Semester)

(4) BIOL 250 Bacteriology or BIOL 350 Microbiology*
(4) BIOL 240B Human Anatomy & Physiology II
(3) CHEM 241B Organic Chemistry II
(2) CHEM 245 Organic Chemistry Lab
(4) STAT 244 Statistics
17 - Total

*Requires BIOL 220 Genetics as prerequisite

Completion of the pre-pharmacy course requirements does not guarantee admission to the SIUE School of Pharmacy. Curricular equivalencies for courses taken at other institutions may be found online. Courses that will meet the SIUE pre-pharmacy requirements may not meet the requirements for completion of other majors at SIUE. Students who plan to pursue a bachelor's degree at SIUE should consult an academic advisor with regard to applicability of courses toward degree requirements. Students who are not admitted to the School of Pharmacy, or who change career paths, may take longer than four years to complete the bachelor's degree.

Sample PharmD Curriculum

1st Professional Year (Fall Semester)

(4) PHPS 700 Principles of Drug Action I
(3) PHPS 702 Biochemical Principles for Pharmacy
(2) PHPS 704 Biopharmaceutics and Drug Delivery I
(3) PHAS 708 Health Care Systems
(1) PHPR 711 Drug Information
(1) PHAS 716 Ethical Issues in Health Care
(1) PHPR 718A Pharmacy Skills Lab I
(2) PHEP 719A Personal and Professional Development I
17 - Total

1st Professional Year (Spring Semester)

(2) PHPS 701 Principles of Drug Action II
(3) PHPS 705N Biopharmaceutics and Drug Delivery II
(1) PHPS 707N Pharmacy Calculations
(3) PHPR 710 Biomedical Literature Evaluation
(3) PHPS 712 Immunology and Immunization Training
(3) PHPR 713N Self Care & Alternative Medicines
(1) PHPR 717 Patient-Centered Communication
(1) PHPR 718B Pharmacy Skills Lab II
(1) PHEP 719B Personal and Professional Development II
18 - Total

2nd Professional Year (Fall Semester)

(3) PHPS 720N Pharmacokinetics
(2) PHAS 728N Pharmacy Management I
(4) PHPT 730A Integrated Pharmacotherapeutics I
(4) PHPT 730B Integrated Pharmacotherapeutics II
(2) PHPR 735N Physical Assessment & Patient Care Skills
(1) PHPR 738A Pharmacy Skills Lab III
(3) PHEP 739A Personal and Professional Development III
19 - Total

2nd Professional Year (Spring Semester)

(2) PHPS 703 Principles of Pharmacogenomics
(2) PHAS 709 Health Care and Financial Management
(4) PHPT 730C Integrated Pharmacotherapeutics III
(4) PHPT 730D Integrated Pharmacotherapeutics IV
(1) PHPR 738B Pharmacy Skills Lab IV
(3) PHEP 739B Personal and Professional Development IV

(2) PHPR 744 Health Promotion & Literacy
18 - Total

3rd Professional Year (Fall Semester)

(2) PHAS 733N Pharmacy Law
(4) PHPT 750A Integrated Pharmacotherapeutics V
(4) PHPT 750B Integrated Pharmacotherapeutics VI
(2) PHAS 756 Pharmacy and Population Health
(1) PHPR 758A Pharmacy Skills Lab V
(1) PHEP 759A Personal and Professional Development V
(5) Electives
19 - Total*

3rd Professional Year (Spring Semester)

(1) PHEP 751 Essentials of Research Application
(2) PHAS 754 Pharmacy Management II
(4) PHPT 750C Integrated Pharmacotherapeutics VII
(4) PHPT 750D Integrated Pharmacotherapeutics VIII
(1) PHPR 758B Pharmacy Skills Lab VI
(1) PHEP 759B Personal and Professional Development VI
(5) Electives
18 - Total*

4th Professional Year (Summer/Fall Semester)

(6) PHEP 780 APPE (Community Pharmacy)
(6) PHEP 781 APPE (Hospital Pharmacy)
(6) PHEP 782 APPE (Ambulatory Care)
(6) PHEP 783 APPE (Acute Care/General Medicine)
24 - Total

4th Professional Year (Spring Semester)

(6) PHEP 784 APPE (Specialized Practice)
(6) PHEP 784 APPE (Specialized Practice)
(6) PHEP 784 APPE (Specialized Practice)
(3) PHEP 789 APPE (ImPaCT [Improving Patient Care for Tomorrow])
21 - Total

*Total credits vary depending on number of elective credits taken. Students are required to accumulate a total of 10 elective credits for graduation.

The PharmD curriculum is subject to change per recommendations by curriculum committee.

The normal academic load is indicated for each semester. Students may be permitted to take more than these credits with the approval of the Office of Academic Affairs and the pharmacy advisor.

Basic Life Support (BLS) Certification is required in order to progress from the first to the second professional year.

The entire P-4 year is comprised of advanced pharmacy practice experiences (APPE). Over the course of three semesters, students will complete seven experiences, each lasting five weeks. There are four “core” or required experiences (community pharmacy, hospital pharmacy, ambulatory care pharmacy and acute care general medicine pharmacy) and three elective rotations that take place in any of numerous pharmacy specialized practices. The final element of the APPE program is the “capstone” ImPaCT rotation during which students design and complete a project in cooperation with a preceptor and under the guidance of the ImPaCT coordinator.

Philosophy

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Philosophy major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Philosophy major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Philosophy major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. For more information about transferring to SIUE, please visit the transfer website.

Students transferring philosophy courses from another institution should contact the chair of the department of philosophy to review how these will apply toward the requirements for a BA or BS in philosophy.

A grade of C or better must be earned in all philosophy transfer courses to count toward the required 33 hours.

Degree Requirements

Philosophy Course Requirements (33 hours)

History of Philosophy (6 hours)

- PHIL 300 - Classical Greek Philosophy or PHIL 302 - Hellenistic Philosophy
- PHIL 304 - Eighteenth Century Philosophy or PHIL 307 - Seventeenth Century Philosophy

Area Requirements (12 hours, one course from each of the following areas)

Metaphysics and Epistemology

- PHIL 310 – Theories of Knowledge
- PHIL 312 – Philosophical Logic
- PHIL 330 – Metaphysics
- PHIL 345 – Women, Knowledge, and Reality
- PHIL 350 – Philosophy of Mind
- PHIL 355 – Philosophy of Language
- PHIL 497 - Topics in Metaphysics and Epistemology

Value Theory

- PHIL 222 – Environmental Ethics
- PHIL 225 – Contemporary Moral Issues
- PHIL 320 – Ethics
- PHIL 321 – Ethics in the Medical Community
- PHIL 323 – Engineering, Ethics, and Professionalism
- PHIL 340 – Social and Political Philosophy
- PHIL 343 – Philosophy of Law
- PHIL 344 – Women and Values
- PHIL 346 – Feminist Theory
- PHIL 440 – Classical Political Theory
- PHIL 441 – Modern Political Theory
- PHIL 496 – Topics in Ethics

Cultural Pluralism

- PHIL 233 – Philosophies and Diverse Cultures
- PHIL 234 – World Religions
- PHIL 335 – Islamic Thought
- PHIL 337 – American Indian Thought
- PHIL 344 – Women and Values
- PHIL 345 – Women, Knowledge, and Reality
- PHIL 347 – Philosophy of Race

Religion

- PHIL 231 – Philosophy, Science and Religion
- PHIL 234 – World Religions
- PHIL 301 - Medieval Philosophy
- PHIL 333 – Philosophy of Religion
- PHIL 335 – Islamic Thought
- PHIL 336 – Christian Thought
- PHIL 337 – American Indian Thought

PHIL 480 – Senior Assignment (3 hours)

PHIL 490 – Philosophy Seminar (3 hours)

Philosophy Electives (9 hours)

Any course listed above and not used for another requirement may be used as a philosophy elective. In addition, any course listed below may be used as a philosophy elective.

- PHIL 111 - Introduction to Philosophy
- PHIL 212 - Inductive Logic
- PHIL 213 - Deductive Logic
- PHIL 226 - Philosophy and Film
- PHIL 228 - Philosophy and Literature
- PHIL 235 - Existentialism
- PHIL 242 - Philosophy of Technology
- PHIL 302 - Hellenistic Philosophy
- PHIL 303 - Nineteenth Century Western Philosophy
- PHIL 308 - Twentieth Century European Philosophy
- PHIL 314 - Philosophy of Science
- PHIL 316 - Philosophy of Biology
- PHIL 348 - Law and Society
- PHIL 495 - Independent Readings
- PHIL 498 - Legal Theory

A grade of C or above must be earned in all philosophy courses to count toward the required 33 hours.

Other Program Requirements

Minor (18-24 hours)

Bachelor of Arts

- 8 hours foreign language
- 6 additional courses (18 hours) in humanities or fine and performing arts (may include philosophy courses)
- Additional electives (20-26 hours)

Bachelor of Science

- Second lab experience
- 8 courses (24 hours) in life, physical or social sciences
- Additional electives (12-18 hours)

Bachelor of Arts in Philosophy with Law Specialization

To complete a BA in philosophy with a law specialization, all the requirements for a standard BA in philosophy must be satisfied (including 33 required credit hours with a C or better, a minor and 8 hours of foreign language). Because the law specialization includes a foreign language requirement, only the BA (and not the BS) has a law specialization option. The standard BA requirements include a history of philosophy sequence (six hours), PHIL 480 (three hours) and PHIL 490 (three hours), 12 hours selected from four subject areas, and nine hours of PHIL electives. The requirements for the law specialization include nine hours of required courses (six of which replace electives and three of which may be applied to the value theory area), three hours from a new subject area in political and legal theory (replaces the remaining elective), and three hours in the metaphysics and epistemology area that must be satisfied by selecting one of two courses in that area.

For the law specialization, courses selected to satisfy the requirements for the standard BA in philosophy must include the following 15 hours:

Required Courses (9 hours)

- PHIL 213 - Deductive Logic
- PHIL 343 - Philosophy of Law (same as POLS 391)
- PHIL 320 - Ethics (satisfies Value Theory area)

Political and Legal Theory Area (3 hours)

- PHIL 340 - Social and Political Philosophy
- PHIL 440 - Classical Political Theory (same as POLS 484)
- PHIL 441 - Modern Political Theory (same as POLS 485)
- PHIL 498 - Legal Theory (same as POLS 498)

Metaphysics and Epistemology Area (3 hours)

- PHIL 310 - Theories of Knowledge
- PHIL 355 - Philosophy of Language

Minor (18-24 hours)

As with the standard philosophy BA, the law specialization requires a minor. Students completing the BA in philosophy with a law specialization will have satisfied coursework in two of the five areas of the pre-law minor (PHIL 213 satisfies the critical thinking requirement; PHIL 343 satisfies the theory and application of law requirement), and will need to complete five additional courses outside of philosophy to complete the pre-law minor. See the pre-law section of the undergraduate academic catalog for details. The following are also excellent choices for a minor or a second major, since they are areas of study that help develop skills needed for success in law school, and, accordingly, are correlated with high law school acceptance rates/high LSAT scores:

- English
- Economics
- History
- Political Science

Foreign Language

It is recommended that students satisfy the eight hours of foreign language required for the BA with Latin 101 and Latin 102.

Retention and Academic Standards

Maintain a cumulative GPA of 2.0.

General Education Requirements (35 hours)

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outlines. Some general education requirements may be satisfied while completing this major.

Degrees Available at SIUE

- Bachelor of Arts, Philosophy (specialization available in the following)
  - Law
- Bachelor of Science, Philosophy

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
  - Bachelor of Arts only: one year of the same foreign language
  - Bachelor of Science only: one additional Lab experience course
- File an application for graduation by the first day of the term in which you plan to graduate

Philosophy Minor Requirements

Admission

Students must successfully complete RA 101 or any PHIL course with a C or better before applying for a minor in philosophy.

- Note: RA 101 does not count for credit toward the minor in philosophy.

Courses Required

A minor in philosophy consists of successful completion (C or better) of 18 hours in philosophy, including three different courses in three of the following areas:

- History of Philosophy
- Metaphysics and Epistemology
- Value Theory
- Cultural Pluralism
- Religion

Sample Curriculum for the Bachelor of Arts in Philosophy

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(3) **RA 101** Reasoning and Argumentation, or PHIL 212
(3) QR 101 Quantitative Reasoning, or MATH 150 or higher

(1) FST 101 Succeeding & Engaging at SIUE
14 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(4) **FL 102** Elementary Foreign Language II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Life Science (BLS)
(3) **PHIL Elective**
16 - Total Credits

Year 2 (Fall Semester)

(3) PHIL 300 Classical Greek Philosophy or PHIL 302 Hellenistic Philosophy (BHUM)
(3) Breadth Fine and Performing Arts (BFPA)
(3) Breadth Physical Science (BPS)
(3) Life, Physical or Social Science with a Lab Experience (EL)
(3) Breadth Social Science (BSS)
(1) Health Experience (EH)
16 - Total Credits

Year 2 (Spring Semester)

(3) PHIL 307 Seventeenth Century Philosophy (BHUM) or PHIL 304 Eighteenth Century Philosophy (BHUM)
(3) PHIL (Value Theory) (BHUM)
(3) Minor
(3) Minor
(2) Elective
14 - Total Credits

Year 3 (Fall Semester)

(3) PHIL (Metaphysics and Epistemology) (BHUM)
(3) PHIL Elective
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) PHIL (Cultural Pluralism) (BHUM)
(3) PHIL (Religion)
(3) PHIL Elective
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) PHIL 490 Senior Seminar
(3) Minor/Elective
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) PHIL 480 Senior Assignment (SRA)
(3) Elective
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

Sample Curriculum for the Bachelor of Science in Philosophy

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) **RA 101** Reasoning and Argumentation, or **PHIL 212**
(3) QR 101 Quantitative Reasoning or MATH 150 or higher
(3) Breadth Social Sciences (BSS)
(1) FST 101 Succeeding & Engaging at SIUE
(2) Elective
15 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Life Science (BLS)
(3) **PHIL** Elective
(3) Breadth Information & Communication in Society (BICS) (**PHIL 213** recommended)
15 - Total Credits

Year 2 (Fall Semester)

(3) PHIL 300 Classical Greek Philosophy or PHIL 302 Hellenistic Philosophy (BHUM)
(3) Breadth Fine and Performing Arts (BFPA)
(3) Breadth Physical Science (BPS)
(3) Life, Physical or Social Science
(1) Life, Physical or Social Science with a Lab Experience (EL)
(3) Minor
16 - Total Credits

Year 2 (Spring Semester)

(3) PHIL 307 Seventeenth Century Philosophy or PHIL 304 Eighteenth Century Philosophy
(3) PHIL (Value Theory)
(3) Life, Physical or Social Sciences
(1) Life, Physical or Social Sciences with Lab Experience (EL)
(3) Minor
(1) Health Experience (EH)
14 - Total Credits

Year 3 (Fall Semester)

(3) PHIL (Metaphysics and Epistemology)
(3) PHIL Elective
(3) Interdisciplinary Studies (IS)
(3) Life, Physical or Social Science
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) PHIL (Cultural Pluralism)
(3) PHIL (Religion)
(3) Life, Physical or Social Science
(3) Minor
(3) Minor
15 - Total Credits

Year 4 (Fall Semester)

(3) PHIL 490 Senior Seminar
(3) Life, Physical or Social Science
(3) Minor
(3) Minor/Elective
(3) Minor/Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) PHIL 480 Senior Assignment (SRA)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts in Philosophy, Specialization in Law

Year 1 Fall Semester

(3) ENG 101 English Composition I
(4) LAT 101 or other **FL 101** (BICS, EREG)
(3) **RA 101** Reasoning and Argumentation, or PHIL 212
(3) QR 101 Quantitative Reasoning, or MATH 150 or

higher
(1) FST 101 Succeeding & Engaging at SIUE
14 - Total Credits

Year 1 Spring Semester

(3) ENG 102 English Composition II
(4) LAT 102 or other **FL 102**
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Life Science (BLS)
(3) PHIL 213 Deductive Logic
16 - Total Credits

Year 2 Fall Semester

(3) PHIL 300 Classical Greek Philosophy (BHUM)
(3) Breadth Fine and Performing Arts (BFPA)
(3) Breadth Physical Science (BPS)
(1) Life, Physical or Social Science with a Lab Experience (EL)
(3) Breadth Social Science (BSS)
(1) Health Experience (EH)
14 - Total Credits

Year 2 Spring Semester

(3) PHIL 307 Seventeenth Century Philosophy (BHUM) or PHIL 304 Eighteenth Century Philosophy (BHUM)
(3) PHIL 320 Ethics (BHUM) or PHIL 343 Philosophy of Law (BHUM)
(3) Minor
(3) Minor
(3) Elective
15 - Total Credits

Year 3 Fall Semester

(3) PHIL 320 Ethics (BHUM) or PHIL 343 Philosophy of Law (BHUM)
(3) PHIL 310 Theories of Knowledge (BHUM) or PHIL 355 Philosophy of Language (BHUM)
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Minor
15 - Total Credits

Year 3 Spring Semester

(3) PHIL (Political and Legal Theory)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) Minor
(3) Minor
(3) Elective
15 - Total Credits

Year 4 Fall Semester

(3) PHIL 480 Senior Assignment (SRA)
(3) Minor/Elective
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 Spring Semester

(3) PHIL 490 Philosophy Seminar
(3) Elective
(3) Elective
(3) Elective
(4) Elective
16 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Physics

Admission Requirements

High school students who plan to major in physics are encouraged to complete at least three years of mathematics including algebra and geometry before entering the University. Additional mathematics including trigonometry and science courses including physics and chemistry are recommended.

Admission

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Physics major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Physics major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Physics major in the College of Arts & Sciences.

No new majors and minors will be declared after the census date of Spring 2026.

Degree Requirements

The Bachelor of Science is recommended for those students planning to work in the industry immediately upon graduating, or for those students who wish to pursue graduate studies in physics. Students interested in the secondary education teacher licensure should complete the traditional BS in physics and subsequently enroll in a Master of Arts in teaching program.

The Department of Physics maintains teaching and research laboratories in which students develop measurement and data analysis skills. Seniors will develop individual research projects suited to their interests, although all majors are encouraged to get involved with research projects throughout their program of study. The Department provides experimental research opportunities in the areas of nonlinear optics, nonlinear optical properties of materials and holographic data storage, ultrafast spectroscopy, electro-optical properties and phase transitions of liquid crystal composite materials, studies of the photon yields of scintillating optical fibers, the magneto-optic Kerr effect, and eclipsing binary stars and exoplanet research. Our theoretical group offers research opportunities in optical properties of solids modeling and design ultra-intense lasers, and modeling ultra-intense light-matter interactions. The Department also has physics education research as an area of study. Specifically, studying problem-solving in physics; implementing and developing curriculum that reduces the cognitive load on the learner, and developing reliable and valid assessments.

The Department also maintains a supercomputer cluster used for modeling and computational physics research, a fully automated and remotely controlled state-of-the-art observatory.

Requirements for the Major

While fulfilling University general education requirements, all physics majors are required to complete the following:

Degree Requirements, Bachelor of Science in Physics

- CHEM 131, 135
- CS 145
- MATH 150, 152, 250, 305, 321
- ENG 334
- PHYS
  120, 151, 151L, 152, 152L, 201, 201L, 251, 304, 314, 318, 321, 323, 376, 406, 416, 499A, 499B
- IS 364

Elective 1: PHYS 240 or 410

Elective 2: One of the following - PHYS 230, 343, 450, 472, 497

Retention

Students should show satisfactory academic progress to be retained in a degree program. Students may be dropped from the program for any one of the following circumstances:

- GPA of 1.0 or below in any term
- Cumulative GPA below 2.0 in the major at any time
- Withdrawal, incomplete and a combination of failing grades in 50% or more of the courses for which the student is registered during two successive terms
- Any combination of two withdrawals, incompletes or failing grades in any single required course in the major discipline

For readmission, students must meet the same admission requirements as students entering the program for the first time.

General Education Requirements

University general education requirements are outlined in the General Education section of the undergraduate academic catalog and included in the sample curriculum outline.

Degrees Available at SIUE

- Bachelor of Science, Physics

Graduation Requirements

The following requirements must be met in order to obtain a degree in physics:

- Earn a minimum of 120 hours of acceptable credit with a cumulative GPA of 2.0 or higher
- Complete the minimum number of credit hours required for a particular degree
- Complete at least 12 hours of SIUE credit in major courses numbered above 299 with a cumulative GPA of 2.0 or above
- Earn a grade of “C” or better in all major courses numbered above 200
- Complete at least six hours of credit in major courses numbered above 299 earned at SIUE within two years preceding graduation

Duplicate credits of several types are not applicable toward graduation requirements: credit hours earned (through proficiency, transfer, CLEP, or from a course) after credit has been received for similar or more advanced coursework in the same subject at SIUE or elsewhere.

Minor Requirements

The minor program in physics consists of at least 20 hours with a GPA of 2.0 or higher in the following courses:

Required Courses

- PHYS 151 – University Physics I
- PHYS 152 – University Physics II
- PHYS 151L – University Physics I Laboratory
- PHYS 152L – University Physics II Laboratory
- PHYS 201 – University Physics III
- PHYS 201L – University Physics III Laboratory
- PHYS 251 – Waves

And at least one of the following

- PHYS 230 – Planetary and Solar System Astronomy
- PHYS 240 – Introduction to Biomedical Physics
- PHYS 304 – Intro to Quantum Physics
- PHYS 314 – Modern Data Acquisition
- PHYS 318 – Theory & Application of Electronic Measure
- PHYS 320 – Special Relativity
- PHYS 321 – Mechanics
- PHYS 323 – Statistical Mechanics
- PHYS 406 – Electromagnetic Fields and Waves
- PHYS 410 – Optics
- PHYS 416 – Quantum Mechanics
- PHYS 419 – Mathematical Physics
- PHYS 430 – Intro to Physics Education Research
- PHYS 450 – Solid State Physics

At least six hours of the above courses must be SIUE credit. The physics undergraduate advisory committee must approve any exceptions to the requirements listed above for the physics minor program.

Sample Curriculum for the Bachelor of Science in Physics

Year 1 (Fall Semester)

(3) PHYS 120 Frontiers in Physics: Past and Present
(4) **CHEM 131** Engineering Chemistry (BPS)
(1) **CHEM 135** Engineering Chemistry Lab (EL)
(5) **MATH 150** Calculus I (FQR)
(3) ENG 101 English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
17 – Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(5) **MATH 152** Calculus II (BPS)
(4) **PHYS 151** University Physics I (BPS)
(1) **PHYS 151L** University Physics I Laboratory (EL)
16 – Total Credits

Year 2 (Fall Semester)

(4) **PHYS 152** University Physics II (BPS)
(1) **PHYS 152L** University Physics II Laboratory
(4) **MATH 250** Calculus III (BPS)
(3) MATH 321 Linear Algebra I
(3) RA 101 Reasoning & Argumentation
15 – Total Credits

Year 2 (Spring Semester)

(4) PHYS 201 University Physics III (BPS)
(1) PHYS 201L University Physics III Laboratory
(4) PHYS 251 Waves
(3) MATH 305 Differential Equations
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 – Total Credits

Year 3 (Fall Semester)

(3) IS 364 The Atomic Era
(4) PHYS 304 Intro to Quantum Physics
(4) PHYS 321 Intro to Classical Mechanics
(3) Elective 1*
14 – Total Credits

Year 3 (Spring Semester)

(4) PHYS 323 Statistical Mechanics (Odd Year)
(4) PHYS 406 Electromagnetic Fields and Waves (Odd Year)
or
(3) PHYS 314 Modern Data Acquisition (Even Year)
(3) PHYS 318 Theory and Application of Elect Measure (Even Year)
(1) PHYS 376 Career Preparation in Physics
(3) CS 145 Introduction to Computing
(3) ENG 334 Scientific Writing (BICS)
13 or 15 – Total Credits

Year 4 (Fall Semester)

(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Life Science and Health Experience (BLS, EH)
(3) Breadth Humanities (BHUM)
(4) PHYS 416 Principles of Quantum Mechanics
(3) PHYS 499A Senior Assignment Project: Part I
16 – Total Credits

Year 4 (Spring Semester)

(3) PHYS 314 Modern Data Acquisition (Even Year)
(3) PHYS 318 Theory and Application of Elect Measure (Even Year)
or
(4) PHYS 406 Electromagnetic Fields and Waves (Odd Year)
(4) PHYS 323 Statistical Mechanics (Odd Year)
(3) Elective 2*
(3) Breadth Social Sciences (BSS)/Experience U.S. Race, Gender, and Equity (ERGU)
(2) PHYS 499B Senior Assignment Project: Part II
14 or 16 – Total Credits

Total Hours 120

*Elective 1: PHYS 240 or PHYS 410
*Elective 2: Choose one of the following - PHYS 230, PHYS 343, PHYS 450, PHYS 472, PHYS 497

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Political Science

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BA or BS in Political Science**
- **Master of Public Administration (MPA)**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in political science
- Earn a cumulative 3.0 GPA or higher by the end of the third year
  - GPA must be maintained through completion of undergraduate studies
- Complete 88 credit hours toward the bachelor's degree

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
   - Three letters of recommendation to the MPA program. Letters are to come from undergraduate instructors of the student with two of the letters coming from full-time, tenure-track faculty of courses taken in the junior year of studies.
   - An essay of 750-1,000 words expressing the reason(s) for seeking the MPA degree, detailing the relationship between the student's career aspirations and the MPA program, and discussing how at least three of the MPA elective courses pertain to those aspirations.

Full matriculation in the MPA program is completed only upon successful completion of six hours of MPA graduate coursework taken in the undergraduate senior year and recommendation of the MPA program director or department chair. In the absence of the MPA program director, the MPA graduate program committee may provide this recommendation.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions regarding the application process.

Sample Curriculum

Upon admittance, students will take two MPA courses (or six credits) during their senior year of study, which will count toward the completion of the MPA degree and the BA or BS in political science. Courses must include: PAPA 500 (Proseminar in Public Administration) and either PAPA 501 (Public Organizations) or PAPA 550 (Public Policy).

Following the fourth year and graduation with a bachelor's in political science, students must complete the remaining MPA program requirements to obtain the MPA degree, which may include a professional internship (worth three credit hours). Students are required to maintain at least a 3.0 GPA in their senior year and cannot receive a grade lower than B in the graduate courses taken toward the MPA degree in the senior year of study. Once students move from conditional to normal admission in the MPA program, the regular requirements of the MPA program will be followed.

Senior Year (Fall Semester)

(6) Upper-Level POLS Elective
(6) Undergraduate Courses
(3) PAPA 500 - **shared credit**
15 Total Credits

Senior Year (Spring Semester)

(1) POLS 400
(6) Upper-Level POLS Electives
(3) Undergraduate Courses
(3) PAPA 501 or PAPA 550 - **shared credit**

13 Total Credits

Online Graduate Option

The accelerated pathway allows the MPA to be completed within 12 months for students electing to complete MPA classes in an online format once they have graduate student status.

Summer Semester

(3) PAPA 420 Quantitative Analysis
(6) Electives
9 Total Credits

Fall Semester

(3) PAPA 501 or PAPA 550 (class not taken as POLS elective)
(6) Electives
(3) PAPA 530 Public Budgeting
12 Total Credits

Spring Semester

(3) PAPA 510 Public Information Management
(6) Electives
(3) PAPA 540 Public Personnel
12 Total Credits

Courses may also be taken in the winter and May sessions as available and to lighten the student's course load if desired.

Students completing the senior year of a bachelor's in political science leading to the accelerated pathway into an MPA program but not wanting to take all online classes will be able to complete the MPA program within an 18 month timeframe. Additionally, students may take up to six years to complete the MPA program. The six-year clock begins with the first class taken for credit within the MPA program.

Transfer

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet.

For more information regarding transferring to SIUE, please visit the transfer website.

Admission Requirements

Admission

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Political Science major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Political Science major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Political Science major in the College of Arts & Sciences.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Up to 12 hours of credit from regionally accredited universities will count toward the political science major. Of those, up to 3 credit hours can be either POLS 200 or POLS 300, but not both. No internships, independent studies, or directed readings taken at other institutions will count for credit toward the political science major. In addition, no student can fulfill the Senior Assignment requirement with work done at another university.

For more information regarding transferring to SIUE, please visit the transfer website.

Degree Requirements

Major Requirements (34 hours)

- POLS 112
- POLS 200
- Two of the following: POLS 250, POLS 270, or POLS 280
- POLS 300
- Diversity and Politics Course Requirement (One of the following): POLS 354, POLS 440, POLS 441, or POLS 446
- POLS 400

A minimum of 15 additional credit hours of any 300-400 level elective courses in Political Science, subject to the restrictions below. POLS 292 may be substituted in place of a 300-level elective course.

1. At least one of these must be a lecture or seminar course for a minimum of three credit hours at the 400-level. POLS 440, POLS 441, or POLS 446 do not count towards this requirement if it was taken to satisfy the Diversity and Politics Course Requirement.
2. The course taken to satisfy the Diversity and Politics Requirement does not double count toward the 15 additional credit hour requirement.
3. A maximum of 3 credits of political science internship courses (POLS 410, POLS 411, and POLS 412) can count toward the 15 credit hours of major electives. However, these courses do not satisfy the required 400-level elective course requirement.
4. Up to 3 credit hours of political science major credit will be counted for POLS 310.

Required Minor (18-21 hours)

Electives (26-31 hours)

A minimum of 120 hours is required for the degree.

Requirements for Students Seeking Professional Educator Licensure

Students pursing the BA or BS in history, geography, or political science who are also seeking Professional Educator Licensure must complete the social science minor to qualify in the state of state of Illinois for Social Science Certification, since Illinois licensure is certified only in social science. All of the following required courses must be completed for the social science minor, with a grade of "C" or better:

- ANTH 111B – Human Culture & Communication
- ECON 111 – Macroeconomics
- ECON 112 – Microeconomics
- GEOG 111 - Introduction to Geography or GEOG 205 – Human Geography
- GEOG 201 – World Regions
- HIST 330 - History of Illinois
- HIST 112A – World History or HIST 112B – World History
- HIST 323 – History/Pedagogy
- POLS 112 - American National Government
- POLS 250 - Introduction to Comparative Politics
- SOC 111 – Introduction to Sociology

If applicable, these courses may also count toward a student's respective major in history, geography, or political science.

- Licensure requires a 2.75 GPA in political science courses, including those completed at past institutions
- Completion of the minor in social sciences

Pre-Law Preparation

Entrance into law school does not require any specific major or any specific course requirements. Law schools judge applicants based upon their cumulative GPA and law school admission test (LSAT) scores. Students wishing to attend law school must obtain an undergraduate degree before entering law school. However, students typically apply to law school beginning in the fall of their senior year. To prepare for entrance, students are encouraged to take the LSAT in June following their junior year or in October of their senior year.

Many students find that undergraduate courses in political science, history, English, and philosophy (such as critical thinking) are helpful in law school, and any course emphasizing technical writing skills is especially helpful. Students considering law should like working with people, enjoy reading, have good communication skills and be excellent writers.

The University encourages students interested in a law career to participate in the Pre-Law Association.

The association, together with Student Legal Services, sponsors an annual Pre-Law Fair in the fall of each year, which brings recruiters from numerous law schools to campus to discuss admission to law school with interested students. The Pre-Law Association also visits area law schools and brings in speakers on law-related topics.

Retention

Students must maintain a cumulative GPA of at least 2.0 to remain in good academic standing. Students whose cumulative GPA falls below 2.0 will be placed on academic probation, returned to undeclared status and limited to a maximum of 12 hours of enrollment per term.

General Education Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum.

Students electing completion of a Bachelor of Arts must complete eight courses in fine and performing arts or humanities including one year of the same foreign language.

Degrees Available at SIUE

- Bachelor of Arts, Political Science
- Bachelor of Science, Political Science
- Professional Educator Licensure (9-12) program

Accelerated Combined Degrees

Students may complete a bachelor's and master's degree in five academic years. Learn more.

Graduation Requirements

Students majoring in political science must complete a POLS 400 senior assignment.

Students must receive a grade of C or better in all political science courses that count toward the major or minor, with a minimum GPA of 2.0 in all political science classes taken at SIUE.

Minor Requirements

The requirements for a minor in political science include the following:

- A minimum of 18 hours
- POLS 112
- One of POLS 250, 270, or 280
- One of POLS 354, 440, 441, or 446
- Three additional upper-level courses at the 300 or 400-level for a minimum of nine credit hours in political science, excluding POLS 310, 400, 410, 411, and 412
- A minimum GPA of 2.0 is required in political science courses

Admission of Students Seeking Professional Educator Licensure

A professional education program is a joint program made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education, Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that students desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about requirements for courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. All political science courses must be at a grade of 3.0 or higher to student teach. No course with a grade less than a "C" will be applied to meet professional educator licensure requirements.

Students seeking professional educator licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog or by making an appointment with an SEHHB advisor.

Requirements for Students Seeking Professional Educator Licensure

Students pursing the BA or BS in history, geography, or political science who are also seeking Professional Educator Licensure must complete the social science minor to qualify in the state of state of Illinois for Social Science Certification, since Illinois licensure is certified only in social science. All of the following required courses must be completed for the social science minor, with a grade of "C" or better:

- ANTH 111B – Human Culture & Communication
- ECON 111 – Macroeconomics
- ECON 112 – Microeconomics
- GEOG 111 - Introduction to Geography or GEOG 205 – Human Geography
- GEOG 201 – World Regions
- HIST 330 - History of Illinois
- HIST 112A – World History or HIST 112B – World History
- HIST 323 – History/Pedagogy
- POLS 112 - American National Government
- POLS 250 - Introduction to Comparative Politics
- SOC 111 – Introduction to Sociology

If applicable, these courses may also count toward a student's respective major in history, geography, or political science.

- Licensure requires a 2.75 GPA in political science courses, including those completed at past institutions
- Completion of the minor in social sciences

Sample Curriculum for the Bachelor of Science in Political Science, Professional Educator Licensure

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) GEOG 201 World Regions (BSS, EREG)
(3) SOC 111 Intro to Sociology (BSS)
(3) **POLS 112** Introduction to American National Government and Politics (BSS, ERGU)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **POLS 250** Intro to Comparative Politics (BSS)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning and Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) GEOG 111 Introduction to Geography or GEOG 205 Human Geography (BSS, EL)
15 - Total Credits

Year 2 (Fall Semester)

(3) QR 101, MATH 150 or Higher
(3) ECON 111 Principles of Macroeconomics (BSS)
(3) Breadth Life Science (BLS)/Health Experience (EH)
(3) ANTH 111B Human Culture & Communication (BSS)
(3) POLS 270 or POLS 280
(3) POLS Elective
18 - Total Credits

Year 2 (Spring Semester)

(3) HIST 112A World History or HIST 112B World History (BHUM)
(3) POLS 200
(3) POLS Elective
(3) ECON 112 Principles of Microeconomics (BSS)
(3) POLS Elective
15 - Total Credits

Year 3 (Fall Semester)

(1) CIED 302 Field Experience II
(3) POLS 300 Introduction to Political Analysis (EL)
(3) CIED 310 Planning for Diverse Learners
(3) IT 300 Digital Learning and Communications (BICS)
(3) CIED 312 Language and Communication
(3) POLS 354, POLS 440, POLS 441, or POLS 446 (Diversity in Politics requirement)
(3) Interdisciplinary Studies (IS)
19 - Total Credits

Year 3 (Spring Semester)

(1) POLS 400 Political Science Senior Assignment
(3) CIED 311 Differentiated Instruction
(3) HIST 330 History of Illinois
(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) SPE 400 The Exceptional Child

(3) POLS elective

17 - Total Credits

Year 4 (Fall Semester)

(3) CIED 313 Introduction to Assessment
(3) POLS Elective
(3) CIED 314 Learning Environments
(1) CIED 304 Field Experience IV
(3) HIST 323 History/Pedagogy
13 - Total Credits

Year 4 (Spring Semester)

(2) CIED 456 9-12 Seminar
(10) CIED 455J 9-12 Student Teaching-Political Science
12 - Total Credits

Total Hours 125

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts or Bachelor of Science in Political Science

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Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(3) Breadth Physical Science (BPS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **POLS 112** American National Government (BSS, ERGU)
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or Higher
(3) Breadth Life Science (BLS) with a Lab Experience (EL)
(3) Fine & Performing Arts or Humanities (BA degree) or Life, Physical or Social Science (BS degree)
15 - Total Credits

Year 2 (Fall Semester)

(3) POLS 250, POLS 270, or POLS 280 (BSS)
(3) RA 101 Reasoning and Argumentation
(3-4) FL 101 Elementary Foreign Language I (BICS, EREG) (BA degree) or Life, Physical or Social Science (BS degree)
(3) Minor
(3) Minor
15-16 - Total Credits

Year 2 (Spring Semester)

(3) POLS 200 Research Design in Political Science (BICS)
(3) Health Experience (EH)
(4) FL 102 Elementary Foreign Language II (BA degree) or Life, Physical or Social Science (BS degree)
(3) Fine & Performing Arts or Humanities (BA degree)
(3) Minor
16 - Total Credits

Year 3 (Fall Semester)

(3) POLS 250, POLS 270, or POLS 280

(3) POLS 300 Data Analytics in Political Science (EL)
(3) Minor
(3) Fine & Performing Arts or Humanities (BA degree)
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) POLS 354, POLS 440, POLS 441, or POLS 446 (BSS)
(3) POLS 300-400 Level Elective
(3) Minor
(3) Minor/Elective
(3) Fine & Performing Arts or Humanities (BA degree)
15 - Total Credits

Year 4 (Fall Semester)

(3) POLS 300-400 Level Elective
(3) POLS 300-400 Level Elective
(3) Minor
(3) Elective
(3) Interdisciplinary Studies (IS)
15 - Total Credits

Year 4 (Spring Semester)

(1) POLS 400 Political Science Senior Assignment
(3) POLS 300-400 Level Elective
(3) POLS 400 Level Elective
(3) Elective
(3) Elective
13 - Total Credits

Total Hours 120
Students wishing to obtain a Bachelor of Arts may do so by including one year of foreign language.

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Psychology

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Psychology major in the School of Education, Health and Human Behavior. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Psychology major in the School of Education, Health and Human Behavior provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Psychology major in the School of Education, Health and Human Behavior.

Students who wish to major in psychology and who transfer from community colleges must complete at least 15 hours of 300- and 400-level psychology courses at SIUE (or other accredited four-year institutions and SIUE combined). Students who wish to major in psychology and who transfer from accredited four-year institutions must complete at least 12 hours of psychology courses at SIUE. PSYC 220/221 may not be transferred in to satisfy SIUE psychology requirements. If you are a transfer student just beginning your curriculum at SIUE comparable statistics and research methods courses completed at another four-year university can be evaluated for transfer credit on a case-by-case basis.

Degree Requirements

Program Overview and General Department Information

Students must be advised and have a program plan on file with the department. There are two psychology advisors. The advisors may be used as a resource for information about the department, University and career opportunities, as well as course scheduling and program changes. The psychology advisors are located in Founders Hall, room 1110.

All students interested in psychology should take PSYC 111 as a first course in psychology. Majors should complete the core sequence of PSYC 111, 200, 220 and 221 within the first four semesters after acceptance as majors. PSYC 220 must be successfully completed before students can enroll in 221. Majors and minors who desire to transfer credit from other colleges or universities must have their transcripts evaluated as soon as possible by a psychology advisor so that any credits accepted may be noted in their files.

Aspects of the psychology curriculum which may be of interest are: (1) the Robert J. McLaughlin Psychology Honors Academy, which allows student members to work closely with a faculty member to develop and complete an honor’s thesis (2) independent research and field study courses, in which students may work in a laboratory under the supervision of a faculty member or in a field setting (e.g., a local organization) and (3) clubs and groups such as the SIUE chapter of the Psi Chi Honor Society and the Psychology Club.

General Education Requirements for the Major

- First Semester Transition (1 hour)
- Foundations Courses (15 hours)
- Breadth Courses (18 hours)
- Interdisciplinary Studies
- Experience Courses
- Eight courses in fine & performing arts and humanities including two semesters of the same foreign language (BA only)
- Minor Courses (18-21 hours)

- Electives

Degree Requirements for BA and BS Major

- PSYC 111, 200, 206, 208, 220, 221, and 494
- PSYC 201, 204, or 205

Four electives at the 300 and 400 level (six hours at the 400 level)

No more than nine hours of 491, 493 and 496 collectively (and no more than six hours in any one of these courses) may be applied toward psychology major requirements. No more than three hours of these courses can count toward psychology minor requirements (additional hours of these courses can count toward total credit hours needed for graduation).

PSYC 111, 200, 220 and 221 should be completed within four semesters after declaration as a major.

The senior capstone is required of all senior psychology majors. For details, contact your psychology advisor.

The Bachelor of Science program requires completion of eight courses in life, physical and social science including two labs rather than eight courses in fine and performing arts or humanities including one year of foreign language. Admission, retention and transfer policies remain the same for both degrees. All students should plan their programs in consultation with their advisors.

Retention

Majors earning below a 2.0 cumulative GPA at SIUE for two consecutive semesters will be dropped from the psychology program. A grade of C or better is required for a psychology course to count toward the major. In addition, a student will be dropped from the psychology program after two unsuccessful attempts of PSYC 200, 220, 221 or 494. Unsuccessful attempts are defined as receiving the grades of W, WF, WP, WR, UW, U, D or F in a class.

Degrees Available at SIUE

- Bachelor of Arts, Psychology
- Bachelor of Science, Psychology

Graduation Requirements

- Complete all specific program requirements.
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
- Bachelor of Arts only: one year of the same foreign language
- File an application for graduation by the first day of the term in which you plan to graduate.

Minor Requirements

A minor in psychology consists of a minimum of 21 hours. PSYC 111 is required in addition to 18 hours of psychology electives, six must be at the 200 level, another six at the 300 level, and the last six at the 400 level. At least half of all upper-level required hours for a psychology minor must be completed at SIUE. A grade of C or better is required for a course to count toward the minor.

Sample Curriculum for the Bachelor of Arts in Psychology

Year 1 (Fall Semester)

(3) **PSYC 111** Foundations of Psychology (BSS, EH)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 101 English Composition I
(4) FL 101 Elementary Foreign Language I (BICS, EREG)
(3) Breadth Fine & Performing Arts (BFPA)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) PSYC 200 Careers in Psychology
(3) ENG 102 English Composition II
(4) FL 102 Elementary Foreign Language II
(3) Breadth Humanities (BHUM)
(3) Breadth Life Science (BLS)
16 - Total Credits

Year 2 (Fall Semester)

(3) **PSYC 201, PSYC 204, or PSYC 205** (Developmental PSYC Course)
(3) PSYC 220 Research Design & Statistics I
(3) RA 101 Reasoning and Augmentation
(3) Breadth Physical Science (BPS)
(3) Fine & Performing Arts or Humanities
15 - Total Credits

Year 2 (Spring Semester)

(3) **PSYC 206** Social Psychology
(3) PSYC 221 Research Design & Statistics II
(3) Fine & Performing Arts or Humanities
(3) Minor
(3) QR 101 or MATH 150
15 - Total Credits

Year 3 (Fall Semester)

(3) PSYC 208 Cognitive Psychology
(3) PSYC Elective (300-400 level)
(3) Fine & Performing Arts or Humanities
(3) Fine & Performing Arts or Humanities
(3) Minor
15 - Total Credits

Year 3 (Spring Semester)

(3) PSYC Elective (300-400 level)
(3) Interdisciplinary Studies (IS)
(3) Minor
(3) Minor
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 4 (Fall Semester)

(3) PSYC Elective (400 level)
(3) PSYC Elective (400 level)
(3) Minor
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) PSYC 494 Capstone Seminar in Psychology
(3) Minor
(3) Minor
(3) Elective
12 - Total Credits

Total Hours 120

Eight-Week PSYC 220 & PSYC 221 Option: Students may complete the requirements to take PSYC 220 and 221 in a single semester by opting to take both as back-to-back eight-week courses in a single 16-week fall/spring semester. Please talk to your psychology advisor about the best option for you.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Public Health

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Public Health major in the Department of Public Health and Speech-Language Pathology and Audiology which is housed in the School of Education, Health and Human Behavior. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Public Health major in the Department of Public Health and Speech-Language Pathology and Audiology which is housed in the School of Education, Health and Human Behavior provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Public Health major in the Department of Public Health and Speech-Language Pathology and Audiology which is housed in the School of Education, Health and Human Behavior.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Please visit the Transfer website for more information.

Degree Requirements

General Education Requirements for the Major

Foundations Courses

- ENG 101
- ENG 102
- RA 101
- ACS 101 or ACS 103
- QR 101

Breadth Areas

- Fine & Performing Arts (BFPA)
- Humanities (BHUM)
- Info & Communication in Society (BICS) - STAT 107 or STAT 244
- Life Science (BLS) - BIOL 205
- Physical Science (BPS)
- Social Science (BSS) - At least two BSS courses

Experiences

- Lab (EL)
- Health (EH) - PBHE 111
- Global Cultures, Race, and Equity Education (EREG)
- U.S. Race, Gender, and Equity (ERGU)
- Interdisciplinary Studies Course (IS)
- First Semester Transition (FST) 101 Succeeding & Engaging at SIUE

Degree Requirements - Bachelor of Science

Public Health Core Major Requirements

- PBHE 111 Personal Health
- PBHE 305 Foundations of Community and Public Health
- PBHE 353 Public Health Data Analysis
- PBHE 363 Public Health Policy and Management
- PBHE 370 Public Health Communication
- PBHE 375 Research Methods in Health
- PBHE 405 Health Coaching
- PBHE 410 Environmental Health
- PBHE 420 Contemporary and Controversial Issues in Health
- PBHE 455 Introduction to Epidemiology
- PBHE 490 Program Planning in Community Health
- PBHE 491 Program Implementation and

Evaluation in Community Health
- PBHE 495 Grant Writing in Public Health
- PBHE 498 Senior Professional Seminar
- PBHE 499 Internship in Public Health (6 credits)

Approved Major Electives (select 15 or more credit hours):

- PBHE 210 Sexual Health
- PBHE 213 Violence and Injury Prevention
- PBHE 220 Drug Use and Abuse
- PBHE 230 Emotional Health and Stress Management
- PBHE 240 Introduction to Applied Nutrition
- PBHE 462 Special Topics in Public Health
- Any course at 300-level or above

Students are required to complete a senior assignment.

Successful completion of an appropriate internship culminates the student's professional preparation.

For the most current degree requirements, please check with applied health academic advisors.

Retention

To be retained, majors must:

- Maintain a cumulative GPA of 2.5 in their SIUE coursework
- Obtain a grade of B or better in PBHE 111
- Obtain grades of C or better in all PBHE major classes

Majors falling below the required cumulative GPA of 2.5 will have one semester to raise their GPA to continue being a public health major. If the student's GPA remains below 2.5 in the next semester, the student will be undeclared as a major and an advisor will review other major options at SIUE with the student.

Degrees Available at SIUE

- Bachelor of Science, Public Health

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:
  - All general education requirements
  - A minimum of 120 credit hours
    - At least 30 of which must be completed at SIUE
    - At least 60 of which must be completed at a regionally accredited four-year institution
  - A minimum cumulative GPA of 2.0
- File an application for graduation by the date listed during the term in which you plan to graduate. Visit the Commencement website for more information.
- Earn a C or better in all PBHE major classes

Public Health Minor Option

The Department of Applied Health offers a minor in Public Health, which consists of 21 semester hours.

Public Health Core Minor Requirements

- PBHE 111 Personal Health
- PBHE 305 Foundations of Community and Public Health

The remaining 15 hours are chosen from the following Public Health courses:
- PBHE 210 Sexual Health
- PBHE 213 Violence and Injury Prevention
- PBHE 220 Drug Use and Abuse
- PBHE 230 Emotional Health and Stress Management
- PBHE 240 Introduction to Applied Nutrition
- PBHE 300 Women's Health
- PBHE 353 Public Health Data Analysis
- PBHE 363 Public Health Policy and Management
- PBHE 370 Public Health Communication
- PBHE 375 Research Methods in Health
- PBHE 405 Health Coaching
- PBHE 410 Environmental Health
- PBHE 420 Contemporary and Controversial Issues in Health
- PBHE 455 Introduction to Epidemiology
- PBHE 462 Special Topics in Public Health
- PBHE 489 Independent Study in Public Health
- PBHE 490 Program Planning in Community Health
- PBHE 491 Program Implementation and Evaluation in Community Health
- PBHE 495 Grant Writing in Public Health
- PBHE 498 Senior Professional Seminar
- PBHE 499 Internship in Public Health

Applicants to the PBHE minor must:

- Have a minimum cumulative GPA of 2.5 or higher
- Complete ENG 101 and 102 with a grade of C or better

To be retained, minors must:

- Maintain a cumulative GPA of 2.5 in their SIUE coursework
- Obtain a grade of B or better in PBHE 111: Personal Health
- Obtain a grade of C or better in all PBHE minor classes

Public health minors falling below the required cumulative GPA 2.5 will have one semester to raise their GPA to continue being a public health minor. If the student's GPA remains below 2.5 in the next semester, the student's minor will be removed, and an advisor will review other minor options at SIUE with the student.

Sample Curriculum for the Bachelor of Science in Public Health

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) RA 101 Reasoning & Argumentation
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) Breadth Social Science (*BSS)
(3) Life, Physical or Social Science with a lab (*EL)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3-4) **STAT 107** or **STAT 244** (*BICS, PS)
(3) ENG 102 English Composition II
(3) **PBHE 111** Personal Health (EH)
(3) Breadth Fine & Performing Arts (BFPA)
(3) **BIOL 111** Contemporary Biology (BLS)
15-16 Total Credits

Year 2 (Fall Semester)

(3) Breadth Life, Physical or Social Science (*BLS/BPS/BSS)
(3) Breadth Humanities (BHUM)
(3) Breadth Physical Science (*BPS)
(3) QR 101 Quantitative Reasoning
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 2 (Spring Semester)

(3) BIOL 205 (*BLS) Human Diseases
(3) Experience Global Cultures, Race, and Equity Education (EREG)
(3) LS/PS/SS with lab (*EL)
(2) Elective
(3) PBHE Elective
14 - Total Credits

Year 3 (Fall Semester)

(3) PBHE 305 Foundation of Community and Public Health
(3) PBHE 353 Public Health Data Analysis
(3) PBHE 410 Environmental Health
(6) PBHE Electives
15 - Total Credits

Year 3 (Spring Semester)

(3) PBHE 370 Public Health Communication
(3) PBHE 375 Research Methods in Public Health
(3) Interdisciplinary Studies
(3) PBHE 455 Intro to Epidemiology
(3) PBHE Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) PBHE 363 Public Health Policy & Management
(3) PBHE 405 Health Coaching
(3) PBHE Elective
(3) PBHE 490 Program Planning in Community Health
(3) PBHE 491 Program Planning & Evaluation in Community Health
15 - Total Credits

Year 4 (Spring Semester)

(3) PBHE 420 Contemporary & Controversial Issues in Health
(3) PBHE 495 Grant Writing in Public Health
(3) PBHE 498 Senior Professional Seminar
(6) PBHE 499 Internship in Public Health
15 - Total Credits

Total Hours 120

The University requires students earning a Bachelor of Science to complete at least eight courses in the sciences (life, physical or social)*, including, as part of those eight courses, two courses designated as labs (EL)*.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

ROTC

Air Force Reserve Officer Training Corps (ROTC)

Aerospace Studies

The Air Force Reserve Officer Training Corps (Air Force ROTC) provides you the opportunity to become a United States Air Force officer while completing your college degree. The program, combining traditional undergraduate education with military instruction, will prepare you to tackle the leadership challenges awaiting the Air Force in the years ahead. In-college scholarships are offered to highly qualified students. To learn more about Air Force ROTC, visit afrotc.com or call (314) 977-8227

Army ROTC – Military Science

Military Science

The purpose of military science and Army ROTC is to commission the future officer leadership of the U.S. Army. Those who successfully complete the Reserve Officers' Training Corps program normally earn commissions as lieutenants in the United States Army and go on to serve in either the Active Army, Army Reserve or Army National Guard.

Army ROTC

ROTC may be completed in several different ways as outlined below.

Four-Year Option

Military science is traditionally offered as a four-year option. It is best to start as a freshman, but special arrangements can be made for those who start as sophomores. The first two years of military science are voluntary (without service obligation) and designed to give students a perspective on their leadership ability and what the Army can offer them. Students who decide to continue in ROTC and pursue a commission sign an agreement with the Department of the Army to accept a commission upon completion of the last two years of military science. In return, the Army agrees to provide a subsistence allowance (up to $5,000 per year) and to provide all necessary uniforms.

Two-Year Option

This option is designed to provide greater flexibility in meeting the needs of students desiring commissions in the U.S. Army. SIUE students who do not participate in the four-year option or are community college transfer students are eligible for enrollment. Basic prerequisites for entering the two-year option are:

- good academic standing (minimum 2.0 GPA) and passage of an Army medical examination.
- two academic years of study remaining (undergraduate or graduate). If students are undergraduates, they must have junior status or at least 54 credit hours.

Simultaneous Membership

Students who qualify for the simultaneous membership program (members of the Army Reserve or National Guard) can complete the military science program in two years and earn up to $17,000 more at the same time. Upon graduation, a student may request to stay in the reserve component or select active duty.

Veterans

Veterans of any of the armed forces who are academically aligned may qualify for advanced placement and should contact the Military Science Department for details.

ROTC Scholarships

The Army Reserve Officers' Training Corps has several scholarship options that pay tuition, fees, and books, and provide up to $500 monthly stipend for the academic year. These scholarships cover periods of four years, three years, and in some circumstances, two years.

High school juniors and seniors should apply for the 4-year scholarships no later than November of their senior year. Applications are available at armyrotc.com. SIUE freshmen should apply in January for the three-year scholarship. Special consideration for scholarships is given to students in

engineering, nursing, business, or physical sciences. Scholarship students normally incur a four-year active duty obligation. They may request reserve duty to serve with the Army National Guard or Army Reserve, or may initially compete for scholarships that guarantee Army Reserve or Army Guard duty.

In addition, 40 Illinois State Army ROTC scholarships are available annually. These scholarships pay for tuition on a semester basis and are renewable. Please contact the Military Science Department for more details.

Qualifications

All students who desire to enter the Army Reserve Officers' Training Corps must be United States citizens, be in good physical condition, and have high moral character. Students must be at least 17 years old to enroll and not over 34 when they receive their commission.

Additional qualifications to be admitted into the advanced course include an academic average of C or better and passage of an Army medical examination.

Academic Preparation

The SIUE Army Reserve Officers' Training Corps academic preparation consists of three parts:

- earning a degree in the student's chosen field of academic study/major; and
- completing 22 semester hours (four-year option) or 12 semester hours (two-year option) of the military science curriculum; and
- completing professional military education requirements. The courses in military science are university-level academic courses. The curriculum consists of classroom instruction and a leadership laboratory in which students receive practical leadership experience.

Leadership Laboratory

Leadership laboratory is required of all students enrolled in military science classes.

Laboratories are held two hours each week unless otherwise designated. In addition, students attend one mandatory off-campus field training exercise each semester, usually on a weekend.

Leadership laboratory develops individual military skills and leadership ability through participation in small unit tactics, survival training, rappelling, and responsibilities within the Cadet Corps organization.

Extracurricular Activities

Sponsored by Army ROTC

Army ROTC students are encouraged to participate in a wide variety of extracurricular activities. These activities include the Ranger Challenge Team, Marksmanship Team, Tactics Club (war-gaming), Color Guard, Cadet Club and intramural sports. Students not enrolled in ROTC may participate in these activities with the permission of the professor of military science.

Graduate Study

The Army recognizes the importance of a graduate degree for its personnel. Several programs are available to help ROTC graduates obtain an advanced degree. The Army sends selected second lieutenants immediately to graduate school (with full pay and allowances) to pursue advanced degrees in select disciplines. Other officers may request postponement of active duty for two years to continue graduate study; or be awarded guaranteed graduate schooling at a later time in their military service. Students who are accepted into medical school may take up to four years to complete their studies. Numerous opportunities exist for an officer to complete a master's degree in service and receive financial assistance from the Army. Educational assistance opportunities in the Army Guard and Army Reserve vary by state.

Select graduate students at SIUE also are eligible for enrollment in the ROTC two-year program.

Secondary Teacher

Admission Requirements

Requirements for Students Seeking Professional Educator Licensure (9-12)

A professional education program is a joint program made by the major department within the College of Arts and Science (CAS) and the Department of Teaching and Learning within the School of Education, Health and Human Behavior (SEHHB). Therefore, as soon as students know they would like to pursue the Professional Educator Licensure (PEL) option, it is essential for them to review Teacher Licensure requirements in the SEHHB section of the undergraduate academic catalog and meet with a CAS advisor for information about requirements of courses leading to the Secondary Education Program. An overall GPA of 2.5 is the SEHHB requirement for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. No course with a grade less than a "C" will be applied to meet Professional Educator Licensure requirements. Specific majors may have additional requirements.

Students seeking professional educator licensure must meet specific general education and professional education requirements and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL (9-12). State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog or by making an appointment with an SEHHB advisor.

Application Process

All students pursuing this licensure must complete an online application available on the SEHHB website. The coursework for the PEL (9-12) licensure is intended to take two years, with applications being accepted in the spring of the sophomore year.

Transfer

Transfer students should contact a CAS advisor as early as possible to discuss transfer procedures.

Social Work

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Social Work major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Social Work major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Social Work major in the College of Arts & Sciences.

Transfer course credit from other CSWE-accredited social work programs will be considered for acceptance toward the BSW from SIUE, though different programs have different course sequencing. No course credit will be awarded for work or life experience. Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. For more information about transferring to SIUE, please visit the transfer website.

Retention

To be retained in the BSW Program, students must:

- Have a GPA of at least 2.5 and have completed the equivalent (30 hours) of at least two full-time semesters at any college or university
- Demonstrate written proficiency in English by completing English composition I and II with a grade of C or better
- Demonstrate the ability to communicate clearly and effectively by completing an applied communication studies course in interpersonal communication with a grade of C or better
- Submit a personal statement synthesizes information that addresses the following prompts:
  1. Describe your understanding of the social work profession and the profession's values (see NASW Code of Ethics https://www.socialworkers.org/About/Ethics/Code-of-Ethics/Code-of-Ethics-English)
  2. Describe a social problem or social justice issue that inspires you to want to major in social work
  3. Describe how you would address the social problem or social justice issue by implementing the values of the social work profession.
- Read, sign and agree to abide by:
  - The National Association of Social Workers (NASW) Code of Ethics
  - The SIUE Student Code of Conduct
  - The SIUE Department of Social Work Academic and Ethical Standards of Behavior Policy
  - The SIUE Department of Social Work Student Handbook
- Completion of SOCW 202 or another introduction to social work course (note that an outside Introduction to Social Work can qualify a student for admission to the program, but all students must complete SOCW 202 in order to graduate with a BSW degree from SIUE.)
- A signed statement indicating that the applicant understands that they must complete a 400-hour practicum experience and may be expected to engage in other service-learning or community engaged learning requirements throughout the BSW Program. These activities will require students to have reliable transportation, alternative caregivers, flexible work schedules, and be open to exploring diverse settings of social work practice.
- Attendance to an SIUE BSW Program Orientation session

Only students who have been retained in the program will be enrolled in the first major semester courses (SOCW 202, SOCW 211, SOCW 390, and

SOCW 302) in the fall term.

It is important that students become familiar with sequencing and required courses for this major as well as the required supporting courses offered, which are listed in the undergraduate catalog and the BSW handbook.

Degree Requirements

While fulfilling University general education requirements, social work majors are recommended to complete the following:

Foundations

- ENG 101
- ENG 102
- RA 101
- ACS 101 or ACS 103
- QR 101

Breadth-Life Science

- BIOL 111 or BIOL 140

Breadth-Social Sciences

- ANTH 111B
- HIST 201
- POLS 112
- PSYC 111
- PSYC 206
- SOC 111 or SOC 300

Degree Requirements

- SOCW 202,
  211, 301, 302, 303, 315, 316, 390, 400, 401, 475, 476, 482, 483
- ENG 201 (Breadth - Humanities)

Social Work Electives (12 hours). The Department of Social Work BSW Program will waive the four elective courses required if a student has a declared minor or declared double major.

Note: No academic minor is required for social work majors; however, a minor in the social or behavioral sciences is strongly encouraged.

Retention

In order for a student to remain in the Bachelor of Social Work program, the student must:

- Maintain overall and social work GPAs of 2.5 on a 4.0 scale
- Earn a grade of C or better in all required social work (SOCW) courses
- Demonstrate appropriate professional dispositions and behavior consistent with the Department of Social Work Academic and Ethical Standards of Behavior Policy and National Association of Workers Code of Ethics

Program dismissal or termination may result from any of the following:

- Maintaining a cumulative grade point average of less than 2.5 for more than one consecutive semester
- Failure to earn a grade of C or better in a required social work (SOCW) course after two attempts, this includes Undergraduate Practicum Seminar I and Undergraduate Practicum Seminar II. In the event that a student must retake Undergraduate Practicum Seminar I or Undergraduate Practicum Seminar II, the student must also re-complete the practicum hours associated with the course.
- Failure to demonstrate appropriate professional disposition or behavior in and outside of class, on SIUE property, in the wider community, at practicum placements or volunteer sites (See BSW Behavior Policy and NASW Code of Ethics)
- Maintaining inactive student status for three consecutive semesters (e.g. fall, spring, summer)

The faculty in the Department of Social Work also reserve the right to consider disciplinary action up to and including program dismissal of any student who is dismissed from their practicum for egregious or unethical behavior.

Inactive student status is assigned to any student who is granted a leave of absence. The student is considered inactive for the duration of their leave. Students who are dismissed based on inactive status may reapply for admission to the BSW program.

General Education Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline.

Degrees Available at SIUE

- Bachelor of Social Work

Graduation Requirements

All undergraduate majors in social work are required to complete a senior assignment as part of the BSW Program and the University's assessment process. The social work senior assignment is composed of two parts:

- Standardized social work exam (Social Work Educational Assessment Project or SWEAP exam)
- Final evaluation of student achievement of learning objectives completed by their practicum instructors

Students must maintain a 2.5 GPA. Because of the importance of practicum performance in ensuring competent graduates, students must receive a C or better in all required social work courses.

Sample Curriculum for the Bachelor of Social Work

Year 1 (Fall Semester)

(3) **BIOL 111** Contemporary Biology or **BIOL 140** Human Biology (recommended courses to meet BLS)
(3) **ENG 101** English Composition I
(3) **PSYC 111** Introduction to Psychology (recommended course to meet BSS, EH)
(3) **ACS 101** Public Speaking or ACS 103 Interpersonal Communication Skills
(3) **QR 101**, MATH 150 or Higher
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ANTH 111B** Human Culture & Comm (recommended course to meet BSS, EREG)
(3) **ENG 102** English Composition II
(3) **RA 101** Reasoning & Argumentation
(3) **POLS 112** American National Government (recommended course to meet BSS, ERGU)
(3) Elective
15 - Total Credits

Year 2 (Fall Semester)

(3) **HIST 201** U.S. History since the Reconstruction Era (recommended course to meet BSS, EL)
(3) **PSYC 206** Social Psychology (recommended course to meet BSS)
(4) Breadth Physical Science (BPS) with a lab (EL)
(4) Foreign Language 101 or BICS
14 - Total Credits

Year 2 (Spring Semester)

(3)**SOC 111** Introduction to Sociology or **SOC 300** Social Problems (recommended courses to meet BSS)
(3) Breadth Fine & Performing Arts (BFPA)
(3) SOCW 202 Introduction to the Social Work Profession
(4) Foreign Language 102/Elective
13 - Total Credits

Year 3 (Fall Semester)

(3) ENG 201 Intermediate Composition (BHUM)
(4) SOCW 211 Fundamentals of Social Work Practice
(3) SOCW 302 Human Behavior in Social Environments I
(3) SOCW 390 Diversity and Issues of Social & Economic Justice
(3) Elective
16 - Total Credits

Year 3 (Spring Semester)

(3) SOCW 301 Introduction to Social Welfare Policy
(3) SOCW 303 Human Behavior in Social Environments II
(3) SOCW 315 Social Work Practice with Individuals & Families
(3) SOCW 316 Social Work Group Practice

(3) SOCW Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SOCW 400 Social Work Practice with Organizations & Communities
(3) SOCW 476 Quantitative Research and Analysis
(4) SOCW 482 Undergraduate Practicum Seminar I
(3) SOCW Elective
(3) Interdisciplinary Studies (IS)
16 - Total Credits

Year 4 (Spring Semester)

(3) SOCW 401 Social Welfare Policy Analysis
(3) SOCW 475 Qualitative Research and Analysis
(4) SOCW 483 Undergraduate Practicum Seminar II
(3) SOCW Elective
(3) SOCW Elective
16 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sociology

Admission Requirements

First-year students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Sociology major in the College of Arts & Sciences. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Sociology major in the College of Arts & Sciences provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-year student criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Sociology major in the College of Arts & Sciences.

Ordinarily, up to 15 semester hours of transfer credit in Sociology may be accepted. No more than nine semester hours from community colleges will be accepted for credit toward the major. Transfer credit will be accepted only if the course grade is C or above. Social work courses do not count toward the 36 semester hours required for the major.

The Sociology graduate program is not currently accepting applications. If you have any questions or concerns, please contact Graduate Program Director, Dr. Corey Stevens, at corstev@siue.edu.

Accelerated Combined Degrees

This accelerated combined degree program allows students to complete two degrees in just five academic years.

- **BA or BS in Sociology**
- **MA in Sociology**

Students receive the same benefits of both curriculums and move seamlessly from the undergraduate program to graduate studies. You will save time and money, as well as jump-start your career.

Admission Requirements

SIUE undergraduate students who meet the following criteria are encouraged to apply:

- Major in Sociology
- Completed SOC 301 (Survey of Theory) and either SOC 302 (Social Research Methods), CJ 302 (Research Methods in Criminal Justice), or both PSYC 220 (Research Design and Statistics I) and PSYC 221 (Research Design and Statistics II)
- Maintain a minimum 3.0 cumulative GPA
- Be within 32 credit hours of bachelor's degree completion at intended entry term

How to Apply

1. Submit a graduate admission application and pay the $40 application fee. Apply to the term in which you plan to begin the combined bachelor's and graduate courses.
2. After submitting your application, complete the "plan of study" form with approval from your undergraduate advisor and graduate program director.
3. Submit all other required graduate admission application materials, including:
   - A writing sample. The writing sample, which should be 4-5 pages in length, may consist of a paper turned in for a course or other written work prepared by the applicant. It should address some social scientific and preferably sociological issue.
   - Statement of purpose. Submit a written personal statement of 1-2 pages indicating your motivations and objectives for graduate study in Sociology.

Please contact the Office of Graduate Admissions at graduateadmissions@siue.edu with questions

regarding the application process.

Sample Curriculum

The accelerated master's in Sociology requires that students complete 6-12 credit hours of approved graduate courses during the undergraduate senior year. These credit hours are shared and apply to both the BA or BS in sociology and the MA in Sociology.

During your senior year, choose 6-12 credit hours from the following graduate-level courses which count toward both degrees:

- SOC 411 - Social Movements
- SOC 420 - Leadership
- SOC 422 - White Collar Crime and Elite Deviance
- SOC 431 - Employment and Workplace Change
- SOC 440 - Sociology of Popular Culture
- SOC 441 - Health Illness and Society
- SOC 470 - Sociology of Deviance
- SOC 472 - Explaining Crime
- SOC 474 - Victims and Society
- SOC 490 - Special Topics in Sociology
- SOC 500 - Professionalization Seminar
- SOC 502 - Seminar in Intergroup Relations
- SOC 503 - Seminar in Applied Sociology
- SOC 515 - Research Methods and Study Design in Sociology
- SOC 518 - Advanced Data Analysis
- SOC 542 - Seminar in Gender and Gender Inequality
- SOC 574 - Seminar in Deviance
- SOC 578 - Seminar in Criminology
- SOC 590 - Special Topics

Students pursuing the accelerated program should consult with their advisor on the appropriate load of graduate-level courses in their senior year while developing the required plan of study. Fewer graduate courses taken in the senior year will affect the number of courses needed to complete the master's degree following the completion of the bachelor's degree.

Sample Plan of Study

Senior Year (Fall Semester)

(3) SOC 500 Professionalization Seminar - **shared credit**
(3) SOC 515 Research Methods and Study Design in Sociology - **shared credit**
(3) Elective
(3) Elective
(3) Elective
15 Total Credits

Senior Year (Spring Semester)

(3) SOC 518 Advanced Data Analysis - **shared credit**
(3) 400 or 500 level SOC elective - **shared credit**
(3) SOC 433, 495 or 497 Exit Requirement Course
(3) Elective
(3) Elective
15 Total Credits

Graduate Year (Summer Term)

(3) 500 level SOC Elective
3 Total Credits

Graduate Year (Fall Semester)

(3) SOC 592 Research Practicum
(3) SOC 501 Survey of Theory
(3) 500 level SOC Elective
9 Total Credits

Graduate Year (Spring Semester)

(6) Thesis, internship or comprehensive exam capstone requirement
6 Total Credits

Degree Requirements General Sociology

- SOC 111; SOC 301; SOC 302; SOC 303; SOC 495 or 497; SOC 308, 310 or comparable SOC class in gender/sexualities; SOC 304, 335, 360, 392, or comparable SOC class in race/ethnicity
- Sociology electives (15 hours)

Employment Relations Specialization

Students with an interest in employment relations will complete the following:

- SOC 111, 301, 302, 303, 338, 431, 433
- Sociology electives (15 hours)

Diversity and Social Justice Specialization

Students with an interest in diversity and social justice will complete the following:

- SOC 111, 301, 302, 303, 325, 411, 433
- Sociology electives (15 hours)

Double Majors in Criminal Justice Studies or Psychology

Students majoring in Criminal Justice Studies may use a "C" or better in CJ 302 to replace SOC 302 and students may just a "C" or better in CJ 303 to replace SOC 303. Students majoring in Psychology may use PSYC 220 and 221 in place of SOC 302 and 303. However, students cannot have one or the other and both courses must be satisfied with a "C" or better to waive SOC 302 and 303. For example, a student cannot waive SOC 302 and SOC 303 if they have only completed PSYC 220 or PSYC 221 or if PSYC 220/221 was completed with a "C" while the other was completed with a "D."

Senior Assignment

As part of the University's assessment program, all undergraduate majors in Sociology are required to complete a senior assignment, either SOC 433, SOC 495, or SOC 497. General majors complete their major with the SOC 495 (Senior Seminar) capstone course. They may take SOC 495 after completing 27 hours of the following sociology courses (requiring Cs or better): 111, 301, 302, 303, one course related to gender/sexualities (e.g., 308 or 310), and one course related to race-ethnicity (e.g., 304, 335, 360, 392) (all previous courses require grades of C or better) and three Sociology electives. SOC 495 is usually offered both in the spring semester, but not in the summer term. Students interested in completing an individual research project may replace the SOC 495 requirement with SOC 497 (Sociology Senior Thesis Research Project). However, students must find a tenure-track faculty mentor willing to work with the student on the thesis prior to choosing this exit requirement option. SOC 497 can only be offered in Fall and Spring.

Students enrolled in employment relations (ER) or diversity and social justice (DSJ) specializations are required to take SOC 433 (Internship) as their capstone course. The internship course is offered annually in the Spring and some summers. Before enrolling in SOC 433, ER and DSJ students must complete the following 21 hours: 111, 301, 302, and 303 (with grades of C or better) and three Sociology electives. In addition, the following 6 hours must be completed with grade of C or better prior to registering for SOC 433: ER students must complete 338 and 431 (431 offered only in Fall) and DSJ students must complete 325 and 411 (both offered only in the Fall).

For General Sociology, ER and DSJ majors, a grade of C or better is is necessary for all SOC courses except for Sociology electives.

More information about the senior assignment in Sociology may be obtained from the departmental office, Peck Hall, room 1205.

Statement of Major Goals

The undergraduate major in Sociology seeks to foster the development of the following knowledge and skills while encouraging students to become well-informed, active citizens who appreciate creativity and diversity.

- Ability to understand, use and apply social theory
- Ability to understand, use and apply social research methods
- Ability to effectively communicate orally and in writing
- Ability to search and use relevant sociological literature
- Ability to understand diversity and its impact on society, social theory and social research
- Ability to define a problem, generate appropriate sociological data and propose logical solutions

Retention

Students majoring in Sociology are required to maintain a cumulative average of 2.0 (C) or above in their Sociology courses.

General Education Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. Students electing to complete a Bachelor of Arts must complete a minimum of one year of foreign language, as well as six courses in fine and performing arts or humanities.

Degrees Available at SIUE

- Bachelor of Arts, Sociology
- Bachelor of Science, Sociology
  - Specializations available in the following:
  - Diversity and Social Justice
  - Employment Relations

Graduation Requirements

A cumulative GPA of 2.0 or above in Sociology courses is required for graduation, and students must achieve at least a C grade in all required Sociology courses.

Sociology Minor Requirements

For a minor in Sociology, students are required to complete 21 semester hours of Sociology electives, which may include courses in other departments that are cross-listed with Sociology. Sociology minors must maintain an average of 2.0 or above in their Sociology courses. Ordinarily, nine semester hours of transfer credit may be counted toward the Sociology minor. Transfer credit will count toward the Sociology minor only when the grade is C or above.

Sample Curriculum, Bachelor of Science in General Sociology

Sample curriculum for the Bachelor of Science in general Sociology shown below. Students wishing to obtain a Bachelor of Arts may do so by adding one year of foreign language, as well as four additional courses in fine and performing arts or humanities.

Year 1 (Fall Semester)

(3) **SOC 111** Introduction to Sociology (BSS, ERGU)
(3) **ANTH 111B** Human Culture & Communication (EREG) (recommended)
(3) QR 101, MATH 150 or Higher
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(3) Elective
15 - Total Credits

Year 2 (Fall Semester)

(3) **SOC Gender/Sexualities Requirement** (BSS)
(3) Breadth Life Science (BLS) with a lab (EL)
(3) Life, Physical or Social Science with a lab (EL)
(3) Elective
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(3) **SOC Race/Ethnicity Requirement** (BSS)
(3) Breadth Physical Science (BPS)
(2) Health Experience (EH)
(3) Elective
(3) Elective
14 - Total Credits

Year 3 (Fall Semester)

(3) SOC Elective
(3) SOC Elective
(3) Interdisciplinary Studies (IS)
(3) Elective
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) SOC 301 Survey of Theory (BSS)
(3) SOC 302 Social Research Methods (BICS)
(3) SOC Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SOC 303 Stats with Computer Applications (SS)
(3) SOC Elective
(3) SOC Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) SOC 495 or SOC 497 Exit Requirement Course
(3) Elective
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum, Bachelor of Science in Sociology, Specialization in Diversity and Social Justice

Year 1 (Fall Semester)

(3) **SOC 111** Introduction to Sociology (BSS, ERGU)
(3) ENG 101 English Composition I
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(3) Breadth Physical Science (BPS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) **SOC Elective**
(3) Breadth Life Science (BLS)
(3) RA 101 Reasoning & Argumentation
15 - Total Credits

Year 2 (Fall Semester)

(3) **SOC Elective**
(3) Life, Physical or Social Science with a lab (EL)
(3) QR 101, MATH 150 or Higher
(3) Elective
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(3) SOC 304 Race Relations (BSS) or SOC 308 Women, Gender & Society (BSS) (Recommended)
(3) SOC Elective
(3) Elective
(3) Heath Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Fall Semester)

(3) SOC 301 Survey of Theory (BSS)
(3) Interdisciplinary Studies (IS)
(3) Elective
(3) Elective
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 3 (Spring Semester)

(3) SOC 302 Social Research Methods (BICS)
(3) SOC 303 Statistics w/Computer Apps (SS)
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SOC 325 Creating Social Change
(3) SOC 411 Social Movements
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) SOC Elective
(3) SOC 433 Internship in Sociology
(3) Elective
(3) Elective
(2) Elective
14 - Total Credits

Total Hours 120

Students pursuing a Bachelor of Arts may do so by adding one year of the same foreign language, as well as four additional courses in fine and performing arts or humanities.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum, Bachelor of Science in Sociology, Specialization in Employment Relations

Year 1 (Fall Semester)

(3) **SOC 111** Introduction to Sociology (BSS, ERGU)
(3) ENG 101 English Composition I
(3) Breadth Fine & Performing Arts (BFPA)
(3) Breadth Humanities (BHUM)
(3) Breadth Physical Science (BPS)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) **SOC Elective**
(3) Breadth Life Science (BLS)
(3) RA 101 Reasoning & Argumentation
15 - Total Credits

Year 2 (Fall Semester)

(3) **SOC Elective**
(3) Life, Physical or Social Science with a lab (EL)
(3) QR 101, MATH 150 or Higher
(3) Elective
(3) Elective
15 - Total Credits

Year 2 (Spring Semester)

(3) SOC 304 Race Relations (BSS) or SOC 308 Women, Gender, & Society (BSS) (recommended)
(3) SOC Elective
(3) Elective
(3) Heath Experience (EH)
(3) Life, Physical or Social Science with a lab (EL)
15 - Total Credits

Year 3 (Fall Semester)

(3) SOC 301 Survey of Theory (BSS)
(3) Interdisciplinary Studies (IS)
(3) Elective
(3) Elective
(3) Experience Global Cultures, Race, and Equity Education (EREG)
15 - Total Credits

Year 3 (Spring Semester)

(3) SOC 302 Social Research Methods (BICS)
(3) SOC 303 Statistics with Computer Apps (SS)
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SOC 338 Industry & Society
(3) SOC 431 Employment & Workplace Change
(3) Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) SOC Elective
(3) SOC 433 Internship in Sociology
(3) Elective
(3) Elective
(2) Elective
14 - Total Credits

Total Hours 120

Students pursuing a Bachelor of Arts may do so by adding one year of the same foreign language, as well as four additional courses in fine and performing arts or humanities.

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Special Education

Admission Requirements

Direct Admission for High School Students

First-time freshman students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Special Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW +M OR 19 ACT
- Rank in top 10% High School Graduating Class

Transfer

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Special Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior, provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshman criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Special Education major in the Department of Teaching and Learning which is housed in the School of Education, Health and Human Behavior.

Transfer credit for courses will be evaluated by the Registrar. Transfer students should contact an advisor in the School of Education, Health and Human Behavior Student Services (SEHHB-advising@siue.edu) as early as possible to discuss transfer procedures.

Admission to Upper Division Courses

In order to be retained in the teacher education cohort in special education, it is necessary to have:

- A cumulative GPA of 2.5 or higher from all secondary institutions attended
- Grades of C or higher in the foundations coursework (ENG 101, ENG 102, ACS 101/103, RA 101, QR 101)
- A grade of B or higher in SPE 100 or an equivalent professional level course
- Grades of C or higher in all courses
- Completion of at least 42 semester hours
- Good academic standing at SIUE

Degree Requirements

Major Requirements

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. Students majoring in special education should complete the following:

- PSYC 111, HIST 200, HIST 201, POLS 112, GEOG 210, SCI 241A, SCI 241B, MATH 112A, MATH 112B, SPE 100

Professional Education

- CIED 310

Special Education Requirements

- SPE 290, 401, 402, 405, 412, 415, 416, 417A, 417B, 418, 421, 422, 430A, 430B, 441, 442, 470, 471, 481, 499

The program in special education requires 120 hours of general education courses, health and physical development courses, and professional education courses. Transfer students may be required to complete additional hours in general education to meet licensure requirements. Students seeking licensure in special education must meet SIUE general education requirements.

Field Experiences

Candidates progress through a series of developmentally sequenced field experiences for the

full range of ages, types, and levels of abilities and collaborative opportunities that are appropriate to the learning behavior specialist. These experiences are supervised by qualified professionals. These experiences, which must be completed prior to student teaching, are arranged through the School of Education, Health and Human Behavior Educator Prep office.

Student Teaching

Student teaching is the culminating experience in the special education teacher preparation program. It is required to meet the degree requirements of the department, school, and University, the licensure requirements of Illinois, and standards of the Council for the Accreditation of Educator Preparation and the Council for Exceptional Children. Student teaching demands full-day involvement in an appropriate, approved public school program for students with disabilities. Therefore, students should avoid employment during the student teaching experience and should schedule student teaching at a time when they are free of other demands on their time and energy. Requests for an overload during student teaching must be approved by the department chair and the associate dean of the School of Education, Health and Human Behavior. Student teaching is not available during the summer term.

Official student teaching application forms are available on the School of Education, Health and Human Behavior Educator Prep website Admission to the major does not guarantee that students may engage in student teaching. Permission to take student teaching is based on (a) cumulative GPA 2.5 or higher, (b) a GPA of 3.0 or higher in special education and professional education coursework, (c) successful completion of all professional and special education coursework, and (d) passage of the Illinois Learning Behavior Specialist I content exam and the Special Education General Curriculum Test. Students must have a grade of C or higher in all professional education courses prior to student teaching and prior to program completion. In addition, the candidate must pass the CPAST prior to graduation.

Senior Assignment Project

The student teaching project is the senior assignment and culminating experience for the undergraduate special education program. It is a performance assessment which demonstrates the teacher candidate's ability to facilitate learning based on the expectations put forth by the Council for Exceptional Children (CEC) and Illinois Professional Teaching Standards. During the student teaching semester, each candidate will complete a performance assessment project that includes assessing his/her impact on student learning and reflecting on personal teaching abilities. This senior assignment enables students to demonstrate the integration of their general, professional and special education coursework.

Diversity Statement

SIUE's teacher education programs foster teacher candidates' ability to understand and meet professional responsibilities by modeling respect and value for diversity. Candidates create and engage their students in practices that develop awareness, understanding, respect, and a valuing of the forms of diversity that exist in society and their importance in learning and teaching. The School of Education, Health and Human Behavior teacher education programs are dedicated to supporting all teacher education candidates regardless of their economic or social status and advocates for the rights of students free from discrimination based on race, color, ethnic origin, national origin, creed, religion, political belief, sex, sexual orientation, gender identification, ability or age.

Retention

Students must maintain a 2.5 GPA overall and a 3.0 GPA in professional and special education coursework. Students whose GPA fall below the required level will receive a letter of warning stating that they will not be permitted to take additional special education courses until the GPA returns to the required level. Students who do not maintain a 2.5 cumulative GPA and a 3.0 for professional and special education course work will be dismissed from the program. Students must have a grade of C or

higher in all professional education courses prior to student teaching and prior to program completion. Students dismissed from the department for academic deficiencies may appeal through the special education program director. Students may be directed to reapply to the program or retake specific coursework to raise the cumulative grade average.

It is expected that all teacher candidates demonstrate appropriate professional dispositions and maintain satisfactory academic progress in the program. Failure to do so, can lead to dismissal from the program.

Degrees Available at SIUE

- Bachelor of Science, Special Education

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements
- Pass all Illinois state licensure requirements for special education
- File an application for graduation by the first day of the term in which you plan to graduate

Please Note:

The State of Illinois is in the process of making significant changes in teacher education that may result in revised standards, programs, testing requirements and teaching licenses. It is very important that all prospective and current candidates work closely with their advisors to remain current about course and curriculum changes affecting progress through the programs.

It is expected that all teacher candidates demonstrate appropriate professional dispositions and maintain satisfactory academic progress in the program. Failure to do so, can lead to dismissal from the program.

Sample Curriculum for the Bachelor of Science in Special Education

Year 1 (Fall Semester)

(3) **ACS 101** Public Speaking or **ACS 103** Interpersonal Communication Skills
(3) **ENG 101** English Composition I
(3) **MATH 112A** Mathematics for Elementary Teachers (BPS) or higher Math course (6 hours required)
(3) PSYC 111 Foundations of Psychology (BSS, EH)
(3) **SPE 100** Disabilities in Society (ERGU)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) **ENG 102** English Composition II
(3) HIST 200 U.S. History through the Reconstruction Era (BSS)
(3) **MATH 112B** Mathematics for Elementary Teacher (BPS) or higher Math course (6 hours required)
(3) QR 101, MATH 150 or Higher
(3) ART 111, MUS 111, THEA 111 or any BFPA (BFPA)
15 - Total Credits

Year 2 (Fall Semester)

(3) HIST 201 U.S. History since the Reconstruction Era (BSS)
(3) POLS 112 American National Government or ECON 111, or ECON 112 (BSS)
(3) RA 101 Reasoning & Argumentation
(3) SCI 241A Foundations in Science (BLS, EL) or any Breadth Life Science (BLS)
(3) Breadth Humanities (BHUM)
15 - Total Credits

Year 2 (Spring Semester)

(3) Earth and Space Science course (CHEM 121A/CHEM 125A, CHEM 121B/CHEM 125B, CHEM 241A, CHEM 494, BIOL 150, BIOL 151, ESCI 111, PHYS 131/PHYS 131L, PHYS 132/PHYS 132L, PHYS 494, GEOG 202, GEOG 210, GEOG 211, GEOG 314, or SCI 451) (BPS)
(3) SCI 241B Foundations of Science (BPS, EL) or any BPS (Excluding MATH and STAT) (BPS)
(3) **CIED 310** Planning for Diverse Learners
(3) Breadth Info & Communication in Society (BICS)
(3) SPE 290 Language Development
15 - Total Credits

Year 3 (Fall Semester)

(1) SPE 401 Field Practicum I
(3) SPE 405 Foundations of Special Ed.
(3) SPE 417A Introductory Reading and Language Arts
(3) SPE 441 Assessment of Preschool Children with Special Needs
(3) SPE 442 Methods and Procedures for Teaching Early Childhood Students with Disabilities
(3) Interdisciplinary Studies (IS)/Global Cultures, Race, and Equity Education (EREG)
16 - Total Credits

Year 3 (Spring Semester)

(1) SPE 402 Field Practicum II
(3) SPE 416 Functional Curriculum Methods
(3) SPE 417B Advanced Reading & Language Arts Methods in Special Education
(3) SPE 430A Classroom Management
(2) SPE 470 Transition Planning
(3) SPE 471 School and Family Partnerships
15 - Total Credits

Summer Term

(3) SPE 415 Instructional & Assistive Technology
3 - Total Credits

Year 4 (Fall Semester)

(3) SPE 412 Assessment for Instructional Decision Making in Special Education
(3) SPE 418 Field Practicum III
(3) SPE 421 Mathematics Methods in Special Education
(3) SPE 422 Adaptations and Accommodations in Content-Area Instruction
(3) SPE 430B Behavior Management
15 - Total Credits

Year 4 (Spring Semester)

(3) SPE 481 Senior Seminar in Special Education
(12) SPE 499 Special Education Student Teaching
15 - Total Credits

Total Hours 125

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA or AS degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Speech Pathology And Audiology

Admission Requirements

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the Speech Language Pathology & Audiology major in the Department of Public Health and Speech-Language Pathology and Audiology which is housed in the School of Education, Health and Human Behavior. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the Speech Language Pathology & Audiology major in the Department of Public Health and Speech-Language Pathology and Audiology which is house in the School of Education, Health and Human Behavior provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the Speech Language Pathology & Audiology major in the Department of Public Health and Speech-Language Pathology and Audiology which is housed in the School of Education, Health and Human Behavior.

Coursework completed at regionally accredited institutions will be evaluated upon admission to the University. Results of transfer credit evaluations are available to students through CougarNet. Learn more about transferring to SIUE.

Leveling Plan

Students who already have a bachelor's degree in a different field can complete selected coursework to prepare them to apply to graduate school in speech-language pathology or audiology. Completion of the leveling plan does not result in a second bachelor's degree, nor does it guarantee admission into graduate school

Eligibility requirements for the leveling program include:

- Prior completion of a BA or BS degree in another field
- A minimum 3.0 GPA for the last 60 hours of the baccalaureate degree
- Admission to the University

Degree Requirements

Bachelor of Science

- SPPA 101, 210, 220, 231, 250, 312, 321, 322, 361, 397, 441, 442, 444, 446, 471, 499
- STAT 107, Biology, Physical Science (PHYS 111 or Chemistry), PSYC 111 (may satisfy some general education requirements)

Bachelor of Arts

In addition to the above, a Bachelor of Arts degree requires completion of 8 courses in fine & performing arts (BFPA or FPA) and humanities (BHUM or HUM) including two semesters of the same foreign language (FL).

Cooperative Education and Internships

For enrollment licensure purposes, University-sponsored cooperative education and internship participation is considered equivalent to full-time enrollment. This requires formal enrollment in an approved co-op or internship course through the Career Development Center.

Retention

In order to be retained within the speech-language pathology and audiology program, students must maintain a 2.75 GPA.
In order to be retained in the leveling plan, students must maintain a 3.0 GPA.

General Education Requirements

Refer to the general education section of the undergraduate academic catalog.

Degrees Available at SIUE

- Bachelor of Arts, Speech-Language Pathology and Audiology
- Bachelor of Science, Speech-Language Pathology and Audiology

Graduation Requirements

Students must achieve a C or better in all major coursework (B or higher in SPPA 101) including 12 hours in related areas of social/behavioral sciences, biological sciences, physical sciences (PHYS 111 or chemistry), statistics, and maintain a 2.75 GPA. In addition to meeting all program requirements, students must also satisfactorily complete a culminating project in SPPA 499, senior assignment seminar. Second-degree students within the program must also register for SPPA 499.

Students who serve as Undergraduate Research and Creative Activities (URCA) Associates, with faculty approval, may use their research project to satisfy exit requirements in the senior assignment.

Sample Curriculum for the Bachelor of Science in Speech-Language Pathology and Audiology

Year 1 (Fall Semester)

(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) **PSYC 111** Foundations of Psychology (BSS)
(3-4) Breadth Life Science (BLS) with a lab (EL) (**BIOL 111** recommended)
(3) **STAT 107** Concepts of Statistics (BICS, PS)
(1) FST 101 Succeeding & Engaging at SIUE
16-17 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(3) SPPA 101 Human Comm & Its Disorders (EH)
(3) QR 101, MATH 150 or Higher
(3) Breadth Fine & Performing Arts (BFPA)
(3-4) **PHYS** or **CHEM** (BPS) (EL recommended)
15-16 - Total Credits

Year 2 (Fall Semester)

(3) RA 101 Reasoning & Argumentation
(3) Breadth Humanities (BHUM)
(3) Global Cultures, Race, and Equity Education (EREG) (NUTR 210 recommended)
(3) SPPA 210 Fundamentals of Language Analysis
(3) SPPA 220 Anatomy & Physiology of the Speech & Hearing Mechanisms
15 - Total Credits

Year 2 (Spring Semester)

(3) SPPA 321 Hearing Sciences
(3) SPPA 397 Neuroanatomy and Physiology
(3) PSYC 201 Child Psychology (BSS)(recommended)

(3) Life, Physical or Social Science (EL if not previously completed with BPS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
15 - Total Credits

Year 3 (Fall Semester)

(3) SPPA 231 Phonetics
(3) SPPA 361 Basic Audiometry
(3) Life, Physical or Social Science
(3) Interdisciplinary Studies (IS)
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(3) SPPA 250 Cultural Diversity in SLP/A
(3) SPPA 312 Normal Lang & Speech Acquisition
(3) SPPA 322 Speech Science
(3) Life, Physical or Social Science (EL if not previously completed with BLS)
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(3) SPPA 441 Speech Sound Disorders in Children
(3) SPPA 442 Intro to Voice, Fluency and Motor Speech Disorders
(3) SPPA 446 Clinical Procedures in Communication Disorders
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) SPPA 444 Language Disorders
(3) SPPA 471 Aural Rehabilitation
(3) SPPA 499 Senior Assignment
(3) Elective
(3) Elective
15 - Total Credits

Total Hours 121

Transfer Students: To maximize your transfer experience, complete the **bold** course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Curriculum for the Leveling Plan

Fall Semester

(3) SPPA 231 Phonetics
(3) SPPA 210 Fundamentals of Language Analysis
(3) SPPA 220 Anat & Phys Speech Mechanism
(3) SPPA 361 Basic Audiometry

Spring Semester

(3) SPPA 312 Normal Lang & Speech
(3) SPPA 321 Hearing Science
(3) SPPA 322 Speech Science
(3) SPPA 397 Neuroanatomy
(3) SPPA 471 Aural Rehab

Total Hours 27

In addition to these courses, students should complete coursework in biological science, physical science, statistics and social/behavioral science. Acceptance of coursework that is that is 10 years or older is at the discretion of the faculty. Students have the option of completing the above coursework in one or two years. A fall semester start is required.

Completion of the above sequence of courses provides students with the prerequisites necessary to apply to many graduate programs in speech-language pathology or audiology but does not result in a second bachelor's degree. Students should check requirements of specific programs to which they wish to apply and customize the above recommended sequence.

The leveling sequence is only offered in an in-class format - there is no online option to complete the sequence. Courses in the fall and spring are approximately 16 weeks in length.

Students who already have a bachelor's degree and seek a second undergraduate degree in speech-language pathology and audiology will be required to meet additional SIUE requirements. These students will follow the traditional plan of student as outlined in the SIUE undergraduate catalog.

Surveying And Geomatics

Admission Requirements

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

To be admitted to the Bachelor of Science program in Surveying and Geomatics, students must:

- Be eligible to enroll in MATH 125 – Pre-calculus or higher.
- Maintain a grade point average of at least 2.0 on a 4.0 scale.

Degree Requirements

General Education Requirements for the Major

University general education requirements are outlined in the general education section of the undergraduate academic catalog and included in the sample curriculum outline. While fulfilling University general education requirements all surveying and geomatics majors are required to complete the following:

Breadth - Physical Science (BPS) Courses

- CHEM 120A
- CHEM 124A
- MATH 125
- PHYS 131
- PHYS 131L

Surveying Courses

- SURV 264, 310, 364, 470, 482, 484

Geography Courses

- GEOG 202, 210, 320, 321, 322, 418, 422

Construction & Civil Engineering Courses

- CNST 111, 120, 231, 411, 415
- CE 204

Surveying and Geomatics Electives (6 hours required)

- GEOG 424
- CNST 303
- SURV 481
- SURV 485
- SURV 486
- SURV 487

Business Courses *

- ACCT 200, 210
- FIN 320
- GBA 383
- MGMT 330, 331

Breadth - Fine & Performing Arts (3 credits)

- THEA 111 or BFPA

Breadth - Humanities

- PHIL 323

Breadth - Information & Communication in Society

- STAT 244

Breadth - Social Science Courses *

- ECON 111, 112

Foundations

- ENG 101

- ENG 102
- PHIL 323
- MATH 150
- ACS 103

Total: 126 units

* These courses fulfill the requirements for a minor in business administration.

Retention

Students must meet the following standards. Students who fail to do so will be placed on probation in the major.

- Maintain a cumulative GPA of 2.0
- Maintain a term GPA above 1.0 in any term
- Maintain a cumulative GPA of at least 2.0 in all mathematics and science courses
- Maintain a cumulative GPA of at least a 2.0 in courses taught in the School of Engineering
- Maintain a cumulative GPA of at least 2.25 in courses taught in the School of Business
- Maintain a cumulative GPA of at least 2.0 in major courses numbered above 299
- Receive no more than two failure grades, incompletes, and/or withdrawals in any combination for a single course required in the major

Students placed on probation should seek immediate advisement and will be informed of the conditions required for removal from probation. If the conditions are not met, students are dropped from the major and may not enroll in construction, surveying, or geography courses without written construction departmental permission. After one year, students are eligible to reapply for admission to the major. Students dropped from the major may direct a written appeal to the department's academic standards committee.

Degrees Available at SIUE

- Bachelor of Science, Surveying & Geomatics

Graduation Requirements

Construction students must meet all University requirements for graduation and the following surveying and geomatics program requirements:

- Earn a cumulative GPA above 2.0 in all construction courses
- Earn a cumulative GPA above 2.25 in all business courses to qualify for a minor in business administration
- Complete the surveying and geomatics senior assignment

Minor in Surveying & Geomatics

The Surveying & Geomatics Minor prepares students either with or taking an engineering or science-related degree to qualify for the first step as licensure as a professional land surveyor in Illinois and most of the bordering States. The minor will provide technical training in the operation of current surveying equipment and concepts in boundary, location, geospatial techniques, mapping, and many other surveying and geography-related skills.

Students must complete a total of seven courses from the list of approved courses for a total of 24 hours or more. These include five surveying and two geography courses. Students must receive a "C" or better in all courses to be applied to the minor.

Approved Courses:

Required Courses (18 hours):
SURV 264 – Fundamentals of Surveying
SURV 310 – Legal Aspects of Surveying
SURV 364 – Boundary Surveying
SURV 482 – Advanced Survey Systems and Senior Assignment
SURV 484 – Survey Computations and Applications

Elective Courses (6 hours):
GEOG 418 – Geographic Information Systems
GEOG 422 – Remote Sensing and Digital Imaging
GEOG 423 – Computer Mapping
GEOG 424 – Vector-based Geographic Information Systems (GIS)
SURV 481 – Computer Mapping & Software Applications
SURV 486 – Drone Mapping and Applications

Sample Curriculum for the Bachelor of Science in Surveying and Geomatics

Year 1 (Fall Semester)

(3) **MATH 125** Precalculus Mathematics with Trigonometry (BPS)
(3) **CE 204** Engineering Graphics and CAD
(2) **CNST 120** Introduction to Construction
(3) **CHEM 120A** Gen, Org, & Biol Chemistry I (BPS)
(1) **CHEM 124A** Gen, Org, & Biol Chemistry Lab I (EL)
(3) ENG 101 English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) ENG 102 English Composition II
(5) **MATH 150** Calculus I (FQR)
(4) SURV 264 Surveying Fundamentals
(3) ACS 103 Interpersonal Communication (ERGU or EREG)
15 - Total Credits

Year 2 (Fall Semester)

(3) CNST 111 Civil Construction Mat. & Methods
(4) **STAT 244** Statistics (BICS)
(3) **ECON 111** Macroeconomics (BSS)
(3) GEOG 202 Natural Resource Management and Sustainability (BLS)
(3) SURV 310 Legal Aspects of Surveying
16 - Total Credits

Year 2 (Spring Semester)

(3) **ECON 112** Microeconomics (BSS)
(4) **PHYS 131** College Physics I (BPS)
(1) **PHYS 131L** College Physics Lab I (EL)
(3) PHIL 323 Engineering Ethics & Professionalism (FRA, BHUM)
(3) GEOG 210 Physical Geography (BPS)
(3) SURV 364 Boundary Surveying
17 - Total Credits

Year 3 (Fall Semester)

(3) CNST 231 Plans and Specifications
(3) GEOG 320 Cartography
(3) MGMT 330 Understanding the Bus. Environment
(3) **ACCT 200** Fundamentals of Financial Accounting
(3) THEA 111 The Dramatic Experience or Breadth Fine & Performing Arts (BFPA)
15 - Total Credits

Year 3 (Spring Semester)

(3) **ACCT 210** Managerial Accounting
(3) GEOG 321 Quantitative Techniques
(3) GEOG 322 Air Photo Interpretation
(3) MGMT 331 Managing Project Groups
(3) SURV 470 Internship (EH)
15 - Total Credits

Year 4 (Fall Semester)

(3) FIN 320 Financial Management and Decision Making
(3) GEOG 418 Geographic Information Systems
(3) GEOG 422 Remote Sensing and Digital Image Processing
(4) SURV 484 Surveying Computations and Applications
(3) Technical Elective I
16 - Total Credits

Year 4 (Spring Semester)

(3) CNST 411 Construction Contracts
(3) CNST 415 Land Development
(4) SURV 482 Advanced Survey Systems and Senior Assignment
(3) GBA 383 Business and Society (IS, ERGU or EREG)
(3) Technical Elective II
16 - Total Credits

Total Hours 126

Transfer Students: To maximize your transfer experience, complete the **bolded** courses/requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS, or AAT (early childhood, special ed, or math) degree from an IAI community

college. If ‘Minor’ requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Theater And Dance

Admission Requirements

Students seeking admissions to the Department of Theater and Dance must first be admitted to the University by contacting the Admissions Office. Students who are considering a Bachelors of Arts/Science with options in theater and dance should call or visit the department – Dunham Hall, room 1031, telephone (618) 650-2773 – as early as possible. They will be referred to a faculty mentor who will provide them more information about the curricula and the department as well as help them plan an academic program. Early advisement will enable students to complete their programs with minimal conflicts and within the shortest possible time.

Admittance to tracks in Dance and Theater Performance requires a successful audition.

Requirements for students seeking Professional Educator Licensure

A professional education program is a joint program made by the academic discipline in the College of Arts and Sciences and the School of Education Health and Human Behavior. Therefore, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education Health and Human Behavior Student Services for information about requirements of courses leading to the professional educator licensure, as soon as they know they would like to pursue this option. Scheduling these required courses involves early and frequent coordination between the student, College of Arts and Sciences Advisor, Department Faculty Mentor, and School of Education Health and Human Behavior Advisor. An overall grade point average of 2.5 is required for admission to the teacher licensure program.

Students seeking Professional Education Licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the School of Education, Health, and Human Behavior section of this catalog, the SEHHBSS website siue.edu/education, and by making an appointment with a School of Education, Health, and Human Behavior advisor.

Retention

As a major or minor, students in the theater and dance department must maintain at least a 2.0 cumulative GPA and complete all required theater and dance courses with a grade of C or above to remain in the program. Students may attempt any required theater and dance course only twice (complete a course and receive a grade). If a student fails to achieve a C grade or better in a required course after a second attempt, he/she will be dropped from the program. Students dropped from the major or minor may direct a written appeal for reinstatement to the departmental advisory committee for readmission. Students must complete a department senior assessment class (THEA 499a, b, c, d or DANC 499). Details of this requirement may be obtained from the student's respective Area Head. In addition to departmental requirements, students must complete all University requirements for graduation.

Transfer

Transfer students should follow the same admissions procedure as outlined above. In addition, they should contact the chair of the department prior to admission so they may be assigned a mentor within their respective area of study. A minimum grade of C is required for all transfer classes applied to the major or minor requirements.

Degree Requirements

Bachelor of Arts or Bachelor of Science Integrated Theater Dance Requirements

This degree requires completion of the Theater and Dance Core, which consists of the following courses:

Theater and Dance Core Classes (25 credits)

- THEA 112A
- THEA 114A
- THEA 150, 160, or 170
- THEA 201A (THEA options) or DANC 240 (DANC

option)
- THEA 220 (THEA options) or DANC 222 (DANC option)
- THEA 312
- THEA 392, 396, or 397
- DANC 114

In addition to the Core, the Integrated Theater Dance option requires 27 additional Theater and Dance credits that must include:

- One additional course in Dance
- One additional course in Design/Technical Theater
- One additional course in Performance
- One additional course in Theater and Dance History or Theater and Dance Literature/Theory
- THEA 499C
- Four Semesters of THEA 199 practicum

Bachelor of Arts or Bachelor of Science option in Dance Requirements (57 or 58 credits)

Completion of Core Classes plus:

- DANC 210A, 210B, 310A, 310B, 410A, 410B (take 8 credits)
- DANC 211A, 211B, 311A, 311B, 411A, 411B (take 8 credits)
- DANC 212A, 212B, 213, 250, 260, 314, 350, 399, 460, 470 (take 5 credits)
- DANC 214, 420A, 420B, 430, 433, 499
- Four (4) semesters of THEA 199 practicum

Bachelor of Arts or Bachelor of Science option in Theater Design/Technical Requirements (51 credits)

Completion of Core Classes plus:

- THEA 150, 160, 170, 340A, 340B, 350, 360, 370, 499B

Remainder of credits may be taken from the following:

- THEA 255, 265, 275, 290, 295, 399B, 450, 460, 470
- Electives

Additional courses may be chosen from the options above, with a limit of 15 credit hours of electives in theater. The following art and design courses are strongly recommended as electives for theater design/technical:

- ART 112A, 112B, 112D, 112E, 225A, 225B
- Four semesters of THEA 199 practicum

Bachelor of Arts or Bachelor of Science option in Theater Performance Requirements (51 credits)

Completion of Core Classes plus:

- THEA 112B, 215A, 310A, 310B, 314A, 410, 499A
- THEA 210A, 210B, 215B, 235, 265, 314B, 315A, 412 (take 6 credits)
- Four semesters of THEA 199 practicum

Bachelor of Arts or Bachelor of Science option in Theater Education Professional Education Licensure Requirements

Completion of Core Classes plus:

- THEA 150, 160, 170, 265, 298, 392, 398
- Four semesters of THEA 199 practicum
- CIED 302, 303, 304, 310, 311, 312, 313, 314, 323, 455, 456
- SPE 400

Senior Assignment

All options must complete the senior assignment capstone project. Specific requirements are in the Department of Theater and Dance student handbook. Please contact the Theater and Dance Office to obtain a copy.

Degrees Available at SIUE

- Bachelor of Arts with options in
  - Dance
  - Theater Design/Technical
  - Theater Performance
  - Professional Educator Licensure program
- Bachelor of Science with options in
  - Dance
  - Theater Design/Technical
  - Theater Performance
  - Professional Educator Licensure program

Graduation Requirements

- Complete all specific program requirements
- Complete all University requirements including:

- All general education requirements
- A minimum of 120 credit hours
  - At least 30 of which must be completed at SIUE
  - At least 60 of which must be completed at a regionally accredited four-year institution
- A minimum cumulative GPA of 2.0

- File an application for graduation by the first day of the term in which you plan to graduate

Theater and Dance Minor

The theater and dance minor consists of 21 hours. All theater and dance minors must take:

- THEA 112A
- THEA 150, 160, or 170
- THEA 201A, THEA 201B, DANC 240, or THEA 392
- DANC 114
- THEA 199 (taken twice)

Nine hours of approved electives in theater and/or dance with advisor approval.

Students who minor in theater and dance must complete all required courses with a grade of C or above and must maintain at least a 2.0 cumulative GPA. Students should declare their minor as soon as possible so a mentor may be assigned to them.

Sample Curriculum for the Bachelor of Arts Integrated Theater and Dance

Year 1 (Fall Semester)

(3) **THEA 112A** Intro to Acting (BFPA)
(3) THEA 114A Forms of Dramatic Action (FPA)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) RA 101 Reasoning & Argumentation (FRA)
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) DANC 114 Movement Fundamentals (BFPA, EH)
(3-4) **THEA 150, THEA 160, or THEA 170** Technical Theater
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or higher (FQR)
(3) Elective
15-16 - Total Credits

Year 2 (Fall Semester)

(0) THEA 199 Theater Production
(3) THEA 201A History of Theater
(3) THEA Elective (Dance)
(3) Breadth Humanities (BHUM)
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
(3) Elective
16 - Total Credits

Year 2 (Spring Semester)

(0) THEA 199 Theater Production
(3) THEA 220 Directing for the Stage
(3)THEA Elective (Design/Technical)
(3) Breadth Physical Science (BPS)
(4) **FL 102** Elementary Foreign Language II
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 3 (Fall Semester)

(3) THEA 312 Multi-Cultural Thea & Danc
(3) THEA Elective (Performance)
(3) Breadth Life Science (BLS)/Lab Experience (EL)
(3) Breadth Social Science (BSS)
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(0) THEA 199 Theater Production
(3) THEA 392, THEA 396 or THEA 397
(3) THEA Elective (Theater & Dance History or Theater & Dance Literature/Theory)
(3) THEA Elective (300-400 level)
(3) Interdisciplinary Studies (IS)
(3) Elective
15 - Total Credits

Year 4 (Fall Semester)

(0) THEA 199 Theater Production
(3) THEA Elective (300-400 level)
(3) THEA Elective (300-400 level)
(3) THEA Elective
(3) Elective
(3) Elective
15 - Total Credits

Year 4 (Spring Semester)

(3) THEA 499C Senior Assessment Performance
(3) THEA Elective (300-400 level)
(3) Elective
(3) Elective
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Requirements for Students Seeking Professional Educator Licensure

Admission to a professional education program is a joint decision made by the academic discipline in the College of Arts and Sciences (CAS) and the School of Education, Health and Human Behavior (SEHHB). Therefore, as soon as they know they would like to pursue this option, it is essential that any student desiring teacher licensure meet with an advisor in the School of Education, Health and Human Behavior student services for information about admission requirements to courses leading to the professional educator licensure. Scheduling these required courses involves early and frequent coordination between the student, CAS advisor, department faculty mentor, and SEHHB advisor. An overall GPA of 2.5 is required for admission to the teacher licensure program. Overall GPAs will be calculated based on all college courses taken at all institutions. **All theater and dance courses must be at a GPA of 2.5 or higher in order to student teach.** No course with a grade less than "C" will be applied to meet professional educator licensure requirements.

Students seeking professional educator licensure (PEL) must meet specific general education and professional education requirements, and must pass state and licensure tests prior to admission, during their program, and in order to gain the PEL. State requirements change, and the latest details about these requirements can be found in the SEHHB section of the undergraduate academic catalog or by making an appointment with an SEHHB advisor.

Sample Curriculum for the Bachelor of Arts, option in Theater Professional Educator Licensure (9-12).

Year 1 (Fall Semester)

(3) THEA 112A Introduction to Acting (BFPA)
(4) THEA 150 Scene Design & Construction (FPA)
(2) THEA 265 Theater Makeup (FPA)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
16 - Total Credits

Year 1 (Spring Semester)

(3) THEA 114A Forms of Dramatic Action (FPA)
(3) DANC 114 Movement Fundamentals (EH)
(3) THEA 170 Introduction to Lighting & Stage Management (FPA)
(3) ENG 102 English Composition II
(3) RA 101 Reasoning & Argumentation (FRA)
15 - Total Credits

Year 2 (Fall Semester)

(3) THEA 201A History of the Theater
(3) THEA 312 Multi-Cultural Thea & Danc
(3) THEA 298 Introduction to Theater Education in Secondary Schools

(3) QR 101, MATH 150 or Higher (FQR)
(3) Breadth Social Sciences (BSS)
(0) THEA 199 Theater Production
15- Total Credits

Year 2 (Spring Semester)

(4) THEA 160 Costume Design
(3) THEA 220 Directing for the Stage
(3) Breadth Physical Science w/Lab Experience (BPS, EL)
(3) Breadth Life Science (BLS)
(0) THEA 199 Theater Production
(2) Elective
15- Total Credits

Year 3 (Fall Semester)

(1) CIED 302 Field Experience II
(3) CIED 310 Planning for Diverse Learners (ERGU)
(3) CIED 312 Language and Communication (BICS)
(3) IT 300 Digital Learning and Communication
(4) FL 101 Elementary Foreign Language I (EREG)
(3) Breadth Humanities (BHUM)
(0) THEA 199 Theater Production
17 - Total Credits

Year 3 (Spring Semester)

(1) CIED 303 Field Experience III
(3) CIED 323 Adolescent Content Literacy
(3) SPE 400 The Exceptional Child
(4) FL 102 Elementary Foreign Language II
(0) THEA 199 Theater Production
(3) Interdisciplinary Studies (IS)
14 - Total Credits

Year 4 (Fall Semester)

(3) CIED 313 Introduction to Assessment
(3) CIED 314 Learning Environments
(3) CIED 311 Differentiated Instruction
(1) CIED 304 Field Experience IV
(3) THEA 398 Advanced Studies in Theater Education in Secondary Schools
(3) THEA 392 Musical Theater
(0) THEA 199 Theater Production
16 - Total Credits

Year 4 (Spring Semester)

(10) CIED 456 9-12 Senior Seminary
(2) CIED 455T 9-12 Student Teaching-Theater
12 - Total Credits

Total Hours - 120

Notes: An additional major or minor concentration in another discipline is strongly recommended for students majoring in theater education. Teacher licensure (9-12) majors are encouraged to have a second teaching field. The Department of Theater and Dance urges each student to complete enough courses in language arts to prepare for a teaching career.

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts, option in Dance

Year 1 (Fall Semester)

(3) DANC 114 Movement Fundamentals (BFPA, EH)
(3) THEA 114A Forms of Dramatic Action (FPA)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 101 English Composition I
(4) FL 101 Elementary Foreign Language I (BICS, EREG)
(1) FST 101 Succeeding & Engaging at SIUE
17 - Total Credits

Year 1 (Spring Semester)

(3) THEA 112A Acting I: Intro to Acting (BFPA)

(3-4) THEA 150, THEA 160, or THEA 170 (select one, FPA)
(3) Breadth Humanities (BHUM)
(3) ENG 102 English Composition II
(4) FL 102 Elementary Foreign Language II
16-17 - Total Credits

Year 2 (Fall Semester)

(2) DANC 210A Modern & Contemp I or DANC 211A Ballet Technique I
(1) DANC 213 Tap Dance (recom)
(3) DANC 240 History of Dance (FPA)
(0) THEA 199 Theater Production
(3) RA 101 Reasoning & Argumentation
(3) Breadth Life Science (BLS)
(3) Breadth Social Science (BSS)
15 - Total Credits

Year 2 (Spring Semester)

(0) THEA 199 Theater Production
(2) DANC 210A Modern & Contemp I or DANC 211A Ballet Technique I
(3) DANC 222 Dance Management
(2) DANC 260 Performance and Choreography (recom)
(1) DANC 214 Dance Improvisation
(3) Experience U.S. Race, Gender, and Equity (ERGU)
(3) QR 101, MATH 150 or Higher
14- Total Credits

Year 3 (Fall Semester)

(2) DANC 212A or DANC 212B Jazz Dance
(2) DANC 310A Mod & Contemp Dance II
(2) DANC 311A Ballet Technique II
(3) THEA 312 Multi-Cultural Thea & Danc
(3) Elective
(3) Elective
15 - Total Credits

Year 3 (Spring Semester)

(2) DANC 310B Mod & Contemp Dance III
(2) DANC 311B Intermediate Ballet Techniques
(0) THEA 199 Theater Production
(3) Interdisciplinary Studies (IS)
(3) Breadth Physical Science (BPS)
(3) Lab Experience (EL)
(3) Elective
16 - Total Credits

Year 4 (Fall Semester)

(2) DANC 410A, DANC 410B, DANC 411A, DANC 411B (recom-select one)
(1) DANC 314 Broadway Dance Styles (recom)
(2) DANC 420A Dance Composition I
(2) DANC 433 Dance Pedagogy & Methodology
(0) THEA 199 Theater Production
(3) Elective
(3) THEA 392, THEA 396, or THEA 397
13 - Total Credits

Year 4 (Spring Semester)

(2) DANC 410A, DANC 410B, DANC 411A, DANC 411b (recom-select one)
(2) DANC 420B Dance Composition II
(3) DANC 499 Senior Assignment
(2) DANC 430 Dance Kinesiology
(3) Elective
(2) Elective
14 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts, option in Theater Design/Technical

Year 1 (Fall Semester)

(4) **THEA 150** Scene Design and Construction (FPA)
(3) DANC 114 Movement Fundamentals (BFPA, EH)
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(3) ENG 101 English Composition I
(1) FST 101 Succeeding & Engaging at SIUE
14 - Total Credits

Year 1 (Spring Semester)

(3) **THEA 112A** Introduction to Acting (BFPA)
(3) THEA 114A Forms of Dramatic Action (FPA)
(3) **THEA 170** Introduction to Lighting and Stage Management
(3) ENG 102 English Composition II
(0) THEA 199 Theater Production
(3) QR 101, MATH 150 or higher (FQR)
15 - Total Credits

Year 2 (Fall Semester)

(3) THEA 340A Theater Graphics
(4) **THEA 160** Costume Design & Construction
(3) THEA 201A History of the Theater
(3) RA 101 Reasoning & Argumentation
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
17 - Total Credits

Year 2 (Spring Semester)

(3) THEA 312 Multi-Cultural Thea & Danc
(3) THEA 220 Directing for the Stage
(4) **FL 102** Elementary Foreign Language II
(3) Breadth Life Science/Lab Experience (BLS, EL)
(3) **ART 112A** or **ART 112B** Foundation Studio (recommended)
(0) THEA 199 Theater Production
16 - Total Credits

Year 3 (Fall Semester)

(2) THEA 265 Stage Makeup (or THEA 255)
(3) THEA 340B Computers in Theater
(3) **ART 225A** History of World Art (recommended)
(3) Breadth Social Science (BSS)
(3) Experience U.S. Race, Gender, and Equity (ERGU)
14 - Total Credits

Year 3 (Spring Semester)

(3) THEA 350 Scenic Design
(3) THEA 275 Sound for the Theater
(3) THEA 392, THEA 396 or THEA 397
(3) **ART 225B** History of World Art (recommended)
(3) Interdisciplinary Studies (IS)
(0) THEA 199 Theater Production
15 - Total Credits

Year 4 (Fall Semester)

(3) Breadth Physical Science (BPS)
(3) THEA 450, THEA 460, THEA 470 Design Projects
(3) THEA 360 Costume Design
(3) THEA 499B Senior Assignment: Design/Tech
(3) Approved Elective
(0) THEA 199 Theater Production
15- Total Credits

Year 4 (Spring Semester)

(3) THEA 450, THEA 460, THEA 470 Design Projects (or Approved Elective)
(3) THEA 370 Lighting Design
(2) THEA 255 Scene Painting or THEA 265 Stage Makeup (recom)
(3) Approved Elective
(3) Breadth Humanities (BHUM)
14 - Total Credits

Total Hours 120

Notes: While an art minor is not required, it is highly recommended that students wishing to specialize in design/technical theater pursue a strong foundation in art courses, including two-dimension and three-dimension communication.

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois

Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Sample Curriculum for the Bachelor of Arts, option in Theater Performance

Year 1 (Fall Semester)

(3) **THEA 112A** Intro to Acting (BFPA)
(3) DANC 114 Movement Fundamentals (BFPA, EH)
(3) ENG 101 English Composition I
(3) ACS 101 Public Speaking or ACS 103 Interpersonal Communication Skills
(1) FST 101 Succeeding & Engaging at SIUE
13 - Total Credits

Year 1 (Spring Semester)

(3) THEA 114A Forms of Dramatic Action (FPA)
(3) THEA 215A Movement and Voice for the Stage
(3-4) **THEA 150, THEA 160, or THEA 170** Technical Theater
(3) ENG 102 English Composition II
(3) QR 101, MATH 150 or higher (FQR)
15-16 - Total Credits

Year 2 (Fall Semester)

(0) THEA 199 Theater Production
(3) THEA 112B Creating A Role
(3) THEA 201A History of Theater
(3) THEA 210A Acting III (THEA Elective)
(3) RA 101 Reasoning & Argumentation (FRA)
(4) **FL 101** Elementary Foreign Language I (BICS, EREG)
16 - Total Credits

Year 2 (Spring Semester)

(0) THEA 199 Theater Production
(3) THEA 220 Directing for the Stage
(3) THEA 210B Improvisation (THEA Elective)
(3) Breadth Physical Science (BPS)
(4) **FL 102** Elementary Foreign Language II
(3) Experience U.S. Race, Gender, and Equity (ERGU)
16 - Total Credits

Year 3 (Fall Semester)

(3) THEA 310B International Experimental Styles
(3) THEA 312 Multi-Cultural Thea & Danc
(3) THEA 392, THEA 396 or THEA 397
(3) Breadth Life Science (BLS)/Lab Experience (EL)
(3) Breadth Social Science (BSS)
15 - Total Credits

Year 3 (Spring Semester)

(0) THEA 199 Theater Production
(2) THEA 265 Theater Makeup (recommended)
(3) THEA 310A Period Styles
(3) THEA 314A Advanced Scene Study
(3) Interdisciplinary Studies (IS)
(3) Elective
(3) Elective
17 - Total Credits

Year 4 (Fall Semester)

(0) THEA 199 Theater Production
(3) THEA 410 Auditioning & the Bus of Act
(3) THEA 412 Acting for the Camera (recom)
(3) THEA Elective, as needed
(3) Breadth Humanities (BHUM)
(4) Approved Elective
16 - Total Credits

Year 4 (Spring Semester)

(3) THEA 499A Senior Assessment Performance
(3) THEA 315A Dialects for the Stage (recommended)
(3) Elective
(3) Elective
12 - Total Credits

Total Hours 120

Transfer Students: To maximize your transfer experience, complete the bold course requirements pre-transfer and satisfy either the Illinois Articulation Initiative (IAI) General Ed Core or receive an AA, AS or AAT (early childhood, special ed or math) degree from an IAI community college. If minor requirements are shown, discuss careful course selection with the academic advising contact listed. Visit the transfer credit website to find course equivalency guides.

Interdisciplinary Minors

Minor in African Studies

The African studies minor at SIUE is an interdisciplinary program aimed at developing students' knowledge and understanding of African people, their lands, history, culture and socio-economic institutions. It will provide the student with the opportunity to fully appreciate the global impacts of African humanities. Furthermore, an African studies background will prepare students for informed global experience characterized by culturally diverse groups. Students desiring a minor in African studies must complete nine credit hours of required core courses and nine credit hours of elective courses for a total of 18 credit hours. Courses not on this list may be acceptable if approved by the African Studies Coordinator. For additional information and advisement, call 618-650-2097 or 618-650-2091, or visit the Coordinator of African Studies in the Department of Geography and Geographic Information Systems, 1401 Alumni Hall. Any of the listed courses already counted toward a student's major cannot be counted again for this minor.

Requirements: 18 credit hours

Core Required Courses (9 credit hours):

- GEOG 332 – Geography of Africa
- HIST 211A – History of Africa: Prehistoric to Colonial Times
- HIST 211B – History of Africa: Colonial Times to Present

Elective Courses (9 credit hours):

- ENG 205 – Introduction to African American Texts
- FL 101 - Elementary Foreign Language: Yoruba 1
- FL 102 - Elementary Foreign Language: Yoruba 2
- FL 111E – Introduction to Foreign Studies: The French Speaking World
- GEOG 201 – World Regions
- GEOG 406 - Political Geography
- HIST 130A - History of Black America: to 1865
- HIST 130B - History of Black American: 1865 to the present
- HIST 300 - Special Topics: Leprosy to Ebola: Health in African History
- HIST 302 - Ancient Egypt
- HIST 400 - Special Topics: Aid to Africa: Humanitarianism and Development in Africa
- SOC 304 - Race and Ethnic Relations

Minor in Asian Studies

The minor in Asian studies is a multidisciplinary program sponsored by the College of Arts and Sciences and supported by the Departments of Anthropology; Foreign Languages and Literature; Geography and Geographic Information Systems; History; Philosophy; Political Science and the School of Business. The Asian studies minor contributes to cultural enrichment through the study of the anthropology, geography, history, philosophy, political science, language, literature and art of Asian societies.

The minor in Asian studies requires 18-20 credit hours of courses designated Asian studies or courses approved by the Coordinator of Asian Studies.

Credit is granted for only those courses in which grades of C or above are earned.

For more information, please visit the Asian Studies minor website or contact the Coordinator of Asian Studies in Peck Hall, room 1224.

Requirements: 18-20 credit hours

6-8 hours from any two 100 and 200 level:

- ARA 101 - Elementary Arabic I
- ARA 102 - Elementary Arabic II
- CHIN 101 - Elementary Chinese I
- CHIN 102 - Elementary Chinese II
- FL 111D - Introduction to Foreign Studies: Chinese
- GEOG 111 - Intro to Geography
- ARA 201 - Intermediate Arabic I
- ARA 202 - Intermediate Arabic II
- CHIN 201 - Intermediate Chinese I
- CHIN 202 - Intermediate Chinese II
- PHIL 233 - Philosophies and Diverse Cultures

9 hours from any 300-400 level courses:

- CHIN 301 - Advanced Chinese I
- CHIN 302 - Advanced Chinese II
- IS 324 - Peoples and Cultures of the East
- GEOG 333 - Geography of Asia

- FL 345 - Literature in Translation - Chinese
- POLS 356 - Asian Politics
- HIST 356B - History of China: 1644 - Present
- HIST 358 - History of Japan
- HIST 400 - Special Topics: Chinese Revolutions
- HIST 400 - Special Topics: Women and Nationalism in East Asia
- HIST 400 - Special Topics: The Evolution of Contemporary Business in Japan
- HIST 400 - Special Topics: Medieval Japan
- IS 400 - History, Culture and the Language of China
- GEOG 426 - Field Study: Beijing
- GBA 489 - Study Abroad: China

3 additional hours from any of the courses in the following complete list of Asian studies minor offerings at SIUE:

- ARA 101 - Elementary Arabic I
- ARA 102 - Elementary Arabic II
- CHIN 101 - Elementary Chinese I
- CHIN 102 - Elementary Chinese II
- FL 111D - Introduction to Foreign Studies: Chinese
- ARA 201 - Intermediate Arabic I
- ARA 202 -Intermediate Arabic II
- CHIN 201 - Intermediate Chinese I
- CHIN 202 - Intermediate Chinese II
- PHIL 233 - Philosophies and Diverse Cultures
- CHIN 301 - Advanced Chinese I
- CHIN 302 - Advanced Chinese II
- HIST 210A - Early Asian History
- HIST 210B - Comparative Asian Civilizations: 1600 - Present
- HIST 212B - Modern Middle East
- IS 324 - Peoples and Cultures of the East
- GEOG 333 - Geography of Asia
- FL 345 - Literature in Translation - Chinese
- HIST 212A - Islamic History, 600-1400
- POLS 356 - Asian Politics
- HIST 356A - History of China: Ancient Times to 1644
- HIST 356B - History of China: 1644 - Present
- HIST 358 - History of Japan
- HIST 400 - Special Topics: Chinese Revolutions
- HIST 400 - Special Topics: Women and Nationalism in East Asia
- HIST 400 - Special Topics: The Evolution of Contemporary Business in Japan
- HIST 400 - Special Topics: Medieval Japan
- IS 400 - History, Culture and the Language of China
- GEOG 426 - Field Study: Beijing
- GBA 489 - Study Abroad: China

Students must maintain a minimum GPA of 2.0.

Minor in Black Studies

The Black studies minor is multi-disciplinary, with courses in nine departments: Anthropology, Applied Communication Studies, Art, English, History, Music, Political Science, Sociology, and Theater and Dance. Within the 18 hours required for this minor, students are required to take two specific courses: English 340 and History 130A or 130B. Minors may elect to take either HIST 130A or 130B (the other course may count as an elective).

The remaining 12 elective hours are selected from a listing of designated courses. Electives must include courses from three different departments and at least three courses related to the Black experience in America:

Required Courses

- ENG 340
- HIST 130A or HIST 130B (the other may count toward an elective)

Designated Black Studies Electives

- ACS 210
- ENG 205, ENG 341, ENG 342
- HIST 211A, HIST 211B, HIST 442, (400 Topic: Film and African Experience)
- MUS 337, MUS 338
- POLS 342
- SOC 304
- THEA 290, THEA 312

The director may approve other courses not listed above. For more information about this minor, contact the Director of Black Studies at blackstudies@siue.edu.

Minor in Classical Studies

The minor in classical studies is a multidisciplinary

program sponsored by the College of Arts and Sciences and supported by the Departments of Art and Design; English Language and Literature; Foreign Languages and Literature; History; and Philosophy.

The classical studies minor contributes to cultural enrichment through the study of Latin and Greek, and of the history, philosophy, literature, and art of the Greek and Roman civilizations; to language sensitivity by close attention to the grammatical and syntactical structure of Latin and/or Greek and by careful analysis of texts; to expansion of a general working vocabulary; and to knowledge of special vocabularies of such fields as medicine, law, theology and foreign languages derived from Latin and Greek.

Requirements

The minor in classical studies requires 20 credit hours of courses designated classical studies. Of these, eight hours are required in Greek or in Latin. Credit is granted only for courses in which grades of C or above are earned.

- ART 225A – History of Western Art: Prehistoric through Medieval
- ENG 310 – Classical Mythology and Its Influence
- FL 106 – Word Analysis: Latin and Greek Roots
- FL 401 – Comparative Latin and Greek Grammar
- GRK 101, GRK 102 – Introduction to Greek
- GRK 201, GRK 202 – Intermediate Greek
- GRK 499A-F – Readings in Ancient Greek
- HIST 302 – Ancient Egypt
- HIST 304 – History of Greece
- HIST 306 - Ancient Rome: From Republic to Empire
- LAT 101, LAT 102 – Introduction to Latin
- LAT 201, LAT 202 – Intermediate Latin
- LAT 499A-F – Readings in Latin
- PHIL 300 – Classical Greek Philosophy
- PHIL 440 – Classical Political Theory (Same as POLS 484)

Because the following courses have variable content, they require advance approval by the Coordinator of the Classical Studies minor:

- ART 470 – Topics in Art History
- ENG 478 – Studies in Women, Language, and Literature (Same as WMST 478)
- FL 390- Readings
- HIST 300 – Special topics
- HIST 400 – Topics in History
- HIST 410 – Directed Readings
- PHIL 490 – Philosophy Seminar
- PHIL 495 – Independent Readings

Minor in Digital Humanities and Social Sciences

The minor in digital humanities and social sciences is a multi-disciplinary program administered by SIUE's IRIS Center and includes courses from several departments. The digital humanities and social sciences encompasses the use of computing and computing-related technologies as a primary methodological focus of research within fields like history, philosophy, literature, linguistics, art, archaeology, sociology, and cultural anthropology. Scholars engaging in such practices use computers as more than just tools; rather, they use computing to reimagine how they might interpret and/or share their research. Students who participate in this minor will be given the opportunity to develop vocational skills that will greatly enhance the marketability of their humanities and/or social sciences degree while developing strong mentoring relationships with faculty. Students will work with members of the Interdisciplinary Research and Informatics Scholarship (IRIS) Center, facilitating cross-disciplinary and collaborative projects that involve applications, enhancements, and re-conceptualizations of information technologies in the humanities and social sciences.

Students enrolled in the minor will complete a minimum of 18 credit hours, to be divided between six credit hours of required courses, and 12 credit hours of elective courses.

Required Courses (6 credit hours)

- HUM 230
- HUM 495

Elective Courses (12 credit hours)

Digital humanities and social sciences minors should choose four electives from the following that are the most relevant to their majors or specializations and

future plans. Unlisted courses may be applied for credit as determined in consultation with the minor's director. Students may not take more than 6 credit hours of their DHSS Minor electives in a single department.

Applied Communication Studies

- ACS 431
- ACS 432

Computer Management and Informations Systems

- CMIS 108

Computer Science

- CS 140
- CS 150
- CS 240

English

- ENG 334
- ENG 412
- ENG 482
- ENG 491

Geography

- GEOG 320
- GEOG 402
- GEOG 418
- GEOG 420

History

- HIST 309

Interdisciplinary Studies

- IS 375
- IS 376
- IS 386

Mass Communication

- MC 202
- MC 323
- MC 327
- MC 342
- MC 440
- MC 441
- MC 452
- MC 456

Additional courses relevant to the digital humanities and social sciences may be included in a student's program of study as determined in consultation with the Director of the Digital Humanities and Social Sciences Program.

Departmental Special Topics & Independent/Special Readings courses offered in the student's major may also be used as electives for the digital humanities and social sciences minor when appropriately focused, as determined by the Director of the Digital Humanities and Social Science Program.

Minor in Education Studies and Analysis

A minor in education studies and analysis consists of a minimum of 21 credits. Six of these credits must be at the 400 level and another six must be at either the 300 or 400 level. At least 12 of the 21 credits must be completed at SIUE. A grade of C or better is required for a course to count toward the minor. **The minor does not prepare students for licensure as a teacher.**

Course options for this minor include:

- CIED 100 - Introduction to Education
- CIED 310 - Socially Just Instructional practices for All Students
- PSYC 111 - Foundations of Psychology
- SPE 100 - Introduction to People with Disabilities in Society and School
- SPE 290 - Language Development
- SPE 400 - The Exceptional Child
- EPFR 315 - Educational Psychology
- EPFR 320 - Foundations of Education in a Multicultural Society
- EPFR 451 - Gender and Education
- POLS 342 - Issues in America Public Policy
- IT 300 - Digital Learning and Communication for Educators
- IT 430 - Computer Based Publishing
- IT 481 - Computers in Education: Theory and Practice
- IT 486 - Web Design for Instruction

- CI 495 - Selected Topics

Substitutions for any of the courses above may be approved by an associate dean in the School of Education, Health and Human Behavior.

Minor in European Studies/Civilization

The European studies/civilization minor at SIUE is an interdisciplinary program drawn from subject areas in the social sciences and the humanities. The courses focus on Western and Eastern Europe. Students pursuing a European studies minor must complete a minimum of 18 credits at the 300 level or above. At least one course each must be taken in three different departments, such as Art History, History, Political Science, English, or Foreign Languages. Courses not on this list may be acceptable if approved by the European Studies Coordinator of the European studies minor in the Department of History, Peck Hall, room 0213.

Any of the listed courses already counted toward a student's major cannot be counted again for this minor.

Core Requirements:

- History 111A, 111B, or 111C

One year of a European language, such as:

- German
- French
- Spanish
- Italian
- Portuguese
- Russian
- Latin
- Greek

Additional languages are subject to approval by the director.

Requirements:

18 credit hours at the 300 or 400 level that have a majority of the content related to Europe.

Required courses:

(Complete at least one course in at least three different areas. The following are examples and not an exhaustive list.)

- Art
- English
- History
  - HIST 308A – Imperium and Christianity: Western Europe 300-1000 C.E.
  - HIST 308B – Medieval Conquests & Kingdoms: 1000-1500 C.E.
  - HIST 320 – The Renaissance in Europe
  - HIST 321 – Reformation Europe 1500-1648
  - HIST 415 – Modern German History
  - HIST 416 – World War I & Its Aftermath: 1914 - 1921
  - HIST 420B – European, Social, Cultural, & Intellectual History: French Revolution to Present
  - HIST 422A, HIST 422B, and HIST 422C – Late Modern Europe
  - HIST 424 – History of the Holocaust
  - HIST 428 – Topics in European Women's Studies
- Drama
- Foreign Languages
  - FR 311 – Contemporary France
  - GER 311 – German Culture
  - SPAN 311 – Contemporary Spain
- Political Science
  - POLS 350 – Political Systems of Western Europe
  - POLS 351 – Political Systems of Eastern Europe

Minor in Forensic Sciences

The forensic sciences minor is interdisciplinary, and exposes students to concepts and skills of social and natural science disciplines that relate to legal matters. The minor is ideal as a supplement to major programs focused on forensic applications or majors that incorporate forensic-related material, and for students considering careers in forensic analysis, law enforcement, or other areas of the criminal justice and legal systems.

Students must complete seven courses (at least 21 credit hours) from the following list of approved courses. The seven courses must include at least one course from each of the following areas: biological sciences, chemistry, anthropology, and criminal

justice studies. The remaining three courses can be approved courses in any of the four areas. Students must pass each of these courses with a "C" or better. Courses applied to the minor may overlap with courses taken for major programs.

Life Sciences: Biological Sciences

Choose at least one course from the following:

- BIOL 140 - Human Biology
- BIOL 150 - Intro to Biological Sciences I
- BIOL 151 - Intro to Biological Sciences II
- BIOL 220 - Genetics
- BIOL 240A and BIOL 240B – Human Anatomy and Physiology (count as two courses, but must be taken as a sequence)
- BIOL 250 - Bacteriology or BIOL 350 - Microbiology (only one course may count)
- BIOL 423 - Forensic Biology
- BIOL 440 - Functional Human Anatomy
- BIOL 483 - Entomology and Insect Collection

Physical Sciences: Chemistry

Choose only one course from the following:

- CHEM 120A and CHEM 124A - General, Organic, and Biological Chemistry and Laboratory (set counts as one course, taken concurrently)
- CHEM 120B and CHEM 124B – General, Organic, and Biological Chemistry and Laboratory (set counts as one course, taken concurrently)
- CHEM 121A and CHEM 125A – General Chemistry and Laboratory (set counts as one course, taken concurrently)
- CHEM 121B and CHEM 125B – General Chemistry and Laboratory (set counts as one course, taken concurrently)

Other approved chemistry courses include:

- CHEM 241A – Organic Chemistry I
- CHEM 241B and CHEM 245 – Organic Chemistry II and Laboratory (set counts as one course, taken concurrently)

Social Sciences: Anthropology

Choose at least one course from the following:

- ANTH 359 - Legal Anthropology
- ANTH 366 - Human Variation
- ANTH 369 - Introduction Forensic Anthropology
- ANTH 430 - Zooarchaeology
- ANTH 467 - Dental Anthropology
- ANTH 468 - Osteopathology
- ANTH 469 - Forensic Anthropology Applications
- *ANTH 474 - Biological Anthropology Field School
- *ANTH 475 - Archaeological Field School
- *ANTH 474 or 475 for three or six credits. Regardless of credit hours, the field school counts as one course toward the minor.

Social Sciences: Criminal Justice Studies

Choose at least one course from the following:

- CJ 111 - Introduction to Criminal Justice
- CJ 206 - Principles of Criminal Law
- CJ 207 - Criminal Procedure
- CJ 308 - Criminal Investigations
- CJ 410 - Judicial Process: The Criminal Court System

Note that some of these courses may require prerequisites. Some courses may not be offered every semester or every year. For more information regarding this minor, please contact the Department of Anthropology, Peck Hall, room 0212, 618-650-2744.

Minor in Health, Society and the Human Condition

The health, society and the human condition minor focuses on developing an integrated and multifaceted exploration of perspectives and issues with human health and healthcare. Courses address topics in medical and healthcare ethics; language, culture and diversity; social, political, and economic views on health, illness, and medicine; communication and patient experiences; and advocacy and social justice, including equity in healthcare. The minor is interdisciplinary, and includes courses in humanities and sciences. The minor is a great synergy for students pursuing programs in healthcare, human services, advocacy and public health. The minor can be combined with any major or other minors.

Students must complete six courses (18 credit hours)

from the list of approved courses, and a minimum of three courses must be at the 300- or 400-level. Students can select courses from any theme area or combination of areas to complete the minor. Students must have a "C" or better in all courses that apply to the minor. Courses applied to the minor may overlap with courses taken for major programs; up to two courses may count toward a student's minor and major program simultaneously. Note that some of these courses have prerequisites and enrollment restrictions, which must be followed. Certain courses may only be available to students declared or accepted as majors in particular programs. Special topics courses may be approved for the minor on a case by case basis, depending on the course content.

ACS 270: Risk and Crisis Communication
ACS 370: Health Communication
ACS 425: Communicative Aspects of Death and Dying
ACS 426: Communication and Emotion
ANTH 308: Religion and Culture
ANTH 352: Medical Anthropology
GEOG 404: Medical Geography
IS 336: Global Problems and Human Survival
IS 342: Death and Dying
IS 343: Contemporary Health Care Issues
IS 353: Representing Women's Bodies
IS 402: Spanish Language and Culture for Health Professionals
MC 472: Mass Media and Health
PBHE 210: Sexual Health
PBHE 230: Emotional Health and Stress Management
PBHE 300: Women's Health
PHIL 321: Ethics in the Medical Community
PSYC 303: Health Psychology
PSYC 305: Psychology of Gender
PSYC 407: Multicultural Issues in Psychology
PSYC 478: Psychology of Stress and Stress Management
SOC 310: Sociological of Sexualities
SOC 383: Medicine, Health, and Society
SOCW 454: Disability and Society
SOCW 491: Mental Health
SPAN 309: Medical Spanish

For more information regarding this minor, please contact the Department of Applied Communication Studies, Alumni Hall, room 3108, 618-650-3090.

Minor in Latin American Studies

The Latin American studies minor at SIUE is an interdisciplinary program drawn from the subject area of Spanish and courses in the social sciences and other humanities. Students who pursue this minor complete a concentration of courses, which focus on Latin American culture, history, politics, the environment, economics and the arts. Students must complete seven courses or a total of 21 credit hours. These courses include three required courses, four electives of which only one may come from the special electives category. There are no substitutions for the three required courses. A maximum of six credit hours or two courses overlap between the minor and the major is allowed.

This minor is especially appropriate for students planning to enter professions such as, government service, international relations, international business, teaching or environmental sciences. It is also a good minor for those preparing themselves to become global citizens. For additional information and advisement, visit the Coordinator of the Latin American Studies Minor in Peck Hall, room 2324.

Requirements: 21 credit hours

Required Courses:

- SPAN 312* - Contemporary Spanish America
- HIST 213A or HIST 213B – History of Latin America
- ANTH 333 – Aztec, Maya, and Inca Origins

Elective Courses
(Select 12 hours from below. Only three credit hours are allowed from the list of courses under special electives. Electives are courses with Latin America as primary content. Special electives include courses with a substantial Latin American component and relevance to Latin American studies, but Latin American topics may not be the only or primary topic.)

- SPAN 392 or SPAN 492** - Spanish in the Community/Service Learning for the Advanced Student (Study Abroad)
- SPAN 352 – Survey of Spanish-American

Literature: Colonial Period to Present
- SPAN 454 – Seminar in Spanish American Topic
- SPAN 471 – Spanish American Literature: Short Stories or Novel

*All Spanish courses except SPAN 392 are taught in Spanish

**SPAN 492 is encouraged for language majors and minors and focuses on language learning.

SPAN 392 is a service-learning, introductory language and culture studies course for the non-language major.

- HIST 213A – History of Latin America: From Pre-Columbian Civilizations to Mid-Nineteenth Century
- HIST 213B – History of Latin America: From Mid-Nineteenth Century to the Present

Special Electives

- MC 453 – Transnational Media
- ENSC 445 – Conservation Biogeography
- MUS 305 – Non-Western Music

Some geography courses might qualify as special electives (e.g. human geography, world geography, Latin American geography, etc.), depending on the content.

Economics courses on international trade policies and international finance might qualify as special electives depending on content.

Courses in Latin American politics might qualify as special electives.

All study abroad courses in Latin America can be used for this minor. However, only up to six hours can be accomplished through study abroad and must be approved by the Coordinator of the Latin American Studies Program. An exception might be made if the student enrolls in a Latin American university for a semester as an exchange student and takes courses that are equivalent to those as outlined in the Latin American studies minor.

Minor in Native American Studies

The minor in Native American studies is an interdisciplinary minor administered by the Department of Anthropology that will permit students to study Native Americans from a variety of scholarly perspectives. The understanding of Native Americans, past and present, has been hindered by alternating efforts to dehumanize and vilify indigenous Americans as “ignoble savages” vs. efforts to exalt them as “noble savages.” Both sides of this stereotype deny their active and critical roles in history and contemporary society. The Native American studies minor raises awareness of central issues for Native Americans by critically examining their past, present, and future through diverse bodies of evidence, such as material culture, oral histories, ethnohistory and ethnography.

To complete the minor in Native American studies, students must earn a 2.0 cumulative GPA in:

- ANTH 205: Introduction to Native American Studies

Plus five of the following courses:

- ANTH 305 Peoples and Cultures of Native North America
- ANTH 312 Contemporary Native Americans
- ANTH 333 Aztec, Maya, and Inca Origins
- ANTH 336 North American Prehistory
- ANTH 420 Museum Anthropology
- ANTH 432 Prehistory of Illinois
- HIST 423A Trail of Tears: Native American History from Columbus to Removal
- HIST 423B Indian Wars, Progressives and Casinos: Native American History from Removal to Present
- HIST 430 American Colonial History
- HIST 451 Native Americans Encounter Lewis and Clark
- HIST 452 Native American Women
- IS 305 Native American Studies
- PHIL 337 American Indian Thought

Courses counted toward the Native American studies minor must come from a least two different academic departments. No more than two courses may be counted toward both the Native American studies minor and the student’s major. For more information regarding the Native American studies minor, please contact the Department of

Anthropology, Peck Hall, room 0212, 618-650-2157 or email julzimm@siue.edu.

Minor in Peace and International Studies

The peace and international studies minor at SIUE is an interdisciplinary program devoted to research and teaching on the problems of war and peace, arms control and disarmament, collective violence, human rights, conflict resolution, inequalities and conflict, and informed citizenship in democracy. Students must complete nine hours of required courses and 12 hours of elective courses for a total of 21 credit hours. This minor is especially appropriate for students planning to enter professions such as:

- Journalism
- Radio or Television Newscasting
- Government Service
- Teaching
- Law
- International Business
- International Relations

It is also a good minor for people interested in preparing themselves for their roles as informed citizens in a democracy. The Coordinator may also approve other appropriate substitutions when courses are not available. For additional information and advisement, call 618-650-3375, or visit the Coordinator of the Peace and International Studies Program in the Department of Political Science, Peck Hall, room 3214.

Any of the listed courses already counted towards a student's major cannot be counted again for this minor.

Requirements: 21 credit hours

Required Courses (9 hours):

- IS 340 – The Problem of War and Peace
- POLS 270 – Introduction to International Relations
- POLS 472 – International Organizations or POLS 474 - Political Violence on the International Stage

The remaining 12 credit hours can be selected from the following list or additional courses in anthropology, economics, geography, history, interdisciplinary studies, philosophy, political science, and sociology with approval of the coordinator:

Elective Courses (select 12 hours from the list below):

- ECON 461 – International Economics
- FIN 450 – International Finance
- GEOG 300 – Geography of World Population
- GEOG 301 – Economic Geography
- HIST 212A – Islamic Middle East
- HIST 212B – History of the Middle East
- IS 336 – Global Problems & Human Survival
- IS 364 – The Atomic Era: Hitler, the Holocaust, & the Bomb
- IS 399 – Special Topics: Gender, Ethnicity, Development and Conflict
- MKTG 476 – International Marketing
- PHIL 340 – Social and Political Philosophy
- PHIL 441/POLS 485 – Modern Political Theory
- POLS 280 – Introduction to Political and Legal Theory
- POLS 351 – Eastern European Political Systems
- POLS 352– Politics of Development
- POLS 453– Ethnic Conflict
- POLS 454 – Comparative Race and Ethnic Politics
- POLS 473 – U.S. Foreign Policy
- POLS 479 – Topics in International Relations

Additional Information:

Special topics and independent/special readings courses in anthropology, economics, geography, history, humanities, philosophy, political science, and sociology also may be used as electives for the peace studies minor when appropriately focused, as determined by the coordinator.

Minor in Perspectives on Science, Technology and Medicine

The minor in perspectives on science, technology and medicine is an interdisciplinary minor administered by the Departments of History and Philosophy. It aims to study the social and humanistic dimensions of the sciences, engineering and fields of medicine. The program draws from a wide range of disciplines including history,

philosophy and sociology. The minor is designed for students who seek to broaden their understanding of the sciences, areas of engineering and fields of medicine as activities that are pursued by humans, individually or collectively, in particular times and places. The minor in perspectives on science, technology and medicine requires 18 credit hours of approved courses, three of which must be selected from the "Fields" courses listed below, three of which must be selected from the "Identities" courses listed below, and three of which must be selected from among the "Values" courses listed below.

Approved Courses: 18 credit hours

Field (3 credit hours):

- HIST 307 – History of Technology
- IS 328 – History and Science
- PHIL 242 – Philosophy of Technology
- PHIL 314 – Philosophy of Science
- SOC 383 – Medicine, Health, and Society

Identities (3 credit hours):

- HIST 332/WMST 332 – Women, Health, and Science in History
- HIST 333 – Decolonizing Health and Science
- PHIL 345/WMST 345 – Women, Knowledge, and Reality
- PSYC 305/WMST 305 – The Psychology of Gender

Values (3 credit hours):

- ENSC 401 – Environmental Policy
- PHIL 222 – Environmental Ethics
- PHIL 321 – Ethics in the Medical Community
- PHIL 323 – Engineering, Ethics, and Professionalism

Other Approved Courses:

- ANTH 352 – Medical Anthropology
- ACS 370 – Health Communication
- ENG 315 – Literature and Sustainability
- ENG 334 – Scientific Writing
- GEOG 404 – Medical Geography
- HIST 313 – Monsters, Magic, and the Unnatural
- HONS 320B – Interdisciplinary Problems in Science and Technology
- IS 375 – Technology and Public Policy
- IS 376 – Information Technology and Society
- PHIL 231 – Philosophy, Science, and Religion
- PHIL 316 – Philosophy of Biology
- PSYC 303 – Health Psychology
- PSYC 305/WMST 305 – The Psychology of Gender

Minor in Pre-Law

This 21 hour minor allows exposure to a variety of skills identified as crucial to success in the study of law and a variety of legal career settings. Skills such as written and oral communication, critical thinking, problem solving, self development and citizenship are useful for the study of law. This minor allows students to structure a minor outside of their identified major that describes the rigors of a legal education. The pre-law minor allows a student to select from courses from over 15 departments at SIUE that continue to improve those previously identified critical skills. Whether or not law school is the ultimate goal, this minor can be useful to spark an interest in justice issues. A student may take no more than two courses from a specific department to fulfill the minor requirements (Law and Society does not count towards a specific department), and must take a minimum of four courses at either 300 or 400 level at SIUE to successfully complete the minor.

Admission Requirements

Students must successfully complete (earn a grade of C or better) in ENG 102 and RA 101.

Retention Standards

A grade of C or better in all minor coursework is required.

Required Courses (Total 21 credit hours)

Law and Society (3 hours)

- CJ 348
- PHIL 348
- POLS 392

Written (at least one required, and others may be taken as electives)

- ENG 201 Intermediate Composition
- ENG 332 Argument
- ENG 334 Scientific Writing
- ENG 490 Advanced Composition
- POLS 292 Legal Research, Analysis, and Writing

Oral Communication (at least one required and others may be taken as electives)

- ACS 200 Advanced Public Speaking
- ACS 204 Oral Communication
- ACS 300 Communication in Interviewing
- ACS 304 Conflict Management and Communication

Critical Thinking, Quantitative Reasoning, Logic (at least one required and others may be taken as electives)

- MATH 223 Logic and Mathematical Reasoning
- PHIL 212 Inductive Logic
- PHIL 213 Deductive Logic
- PSYC 206 Social Psychology
- PSYC 208 Cognitive Psychology

Interdisciplinary Courses (elective)

- IS courses as approved by the pre-law coordinator

Legal Studies (two required, one from each section and others may be taken as electives)

Principles of Law (at least one required)

- CJ 206 Principles of Criminal Law
- CJ 207 Criminal Procedure
- POLS 390* The Judicial System or CJ 410 Judicial Process (cannot take both)
- POLS 495* Constitutional Law: Powers of Government
- POLS 496* Constitutional Law: Civil Rights and Civil Liberties

Theory or Application of Law (at least one required and others may be taken as electives)

- ACCT 340 Business Law for Accountants
- CJ 465 Theories of a Just Society
- SURV 310 Legal Aspects of Surveying
- CNST 411 Construction Contracts
- ECON 300 Law & Economics
- ENSC 402/POLS 497 Environmental Law
- HIST 201 U.S. History since the Reconstruction Era
- MC 401 Media Law & Policy
- PHIL 340 Social and Political Philosophy
- PHIL 343/POLS 391 Philosophy of Law
- PHIL 440/POLS 484 Classical Political Theory
- PHIL 441/POLS 485 Modern Political Theory
- PHIL 498/POLS 498 Legal Theory
- POLS 499* Public Law

Elective Courses

NOTE: Students may select one course from these areas, or may choose to take a course from the above-referenced skills courses to meet this elective requirement.

Critical Thinking, Quantitative Reasoning, Logic

- ACCT 200 Introduction to Principles of Accounting
- ECON 111 Principles of Macroeconomics
- ECON 112 Principles of Microeconomics
- MS 250 Mathematical Methods for Business Analysis
- MS 251 Statistical Analysis for Business Decisions
- POLS 300* Introduction to Political Analysis
- STAT 107 Concepts of Statistics
- STAT 244 Statistics

Applications / Extensions of Law

- ANTH 312 Contemporary Native Americans
- ANTH 350 Applied Anthropology
- ANTH 359 Legal Anthropology
- ANTH 366 Human Variation
- ANTH 369 Introduction to Forensic Anthropology
- ECON 300 Law and Economics
- PHIL 222 Environmental Ethics
- PHIL 225 Contemporary Moral Issues
- PHIL 320 Ethics
- PHIL 321 Ethics in the Medical Community
- PSYC 320 Introduction to Industrial and Organizational Psychology
- PSYC 365 Group Dynamics and Individual Behavior
- PSYC 431 Psychopathology

Written Communication

- ENG 369 Grammatical Analysis
- ENG 405 Pragmatics
- ENG 409 Syntactic Analysis
- ENG 416 Language and Society

- ENG 491 Technical and Business Writing

Oral Communication

- ACS 305 Listening
- ACS 430 Persuasion and Social Influence
- THEA 112A Core: Acting 1
- THEA 210B Improvisation
- POLS 410* Legal Internship or CJ 398 Pre-Law Program Internship Independent Study (cannot take both for pre-law interdisciplinary minor credit)

*For those students accepted to the pre-law minor, political science may waive prerequisites. Please meet with the instructor of the appropriate course.

Pre-law minor courses are listed in their respective departmental course descriptions section.

For more information, please contact the pre-law mentor.

Visit the pre-law minor website for more information.

Minor in Religious Studies

The minor in religious studies is a multi-disciplinary program administered by the Department of Philosophy offering opportunities for the academic study of religion.

A minor in religious studies consists of 18 hours, nine of which are required courses:

- PHIL 234 – World Religions
- PHIL 333 – Philosophy of Religion
- And one of the following:
  - PHIL 335 - Islamic Thought
  - PHIL 336 – Christian Thought
  - PHIL 337- American Indian Thought
- Or another 300-level course approved by the religious studies advisor that concerns a particular religious tradition

Students select elective courses from those approved by the advisor. A maximum of three credit hours counted toward a major in philosophy also may count toward the religious studies minor.

Elective courses for the minor include those listed below. Other courses may be approved, contingent on approval of the religious studies advisor. Departments, including History and Philosophy, have special topics courses that could be appropriate.

- ANTH 305 – Peoples and Cultures of Native North America
- ANTH 308 – Religion and Culture
- ANTH 312 – Contemporary Native Americans
- ART 449 – Italian Renaissance Art
- ART 451 - Northern Renaissance Art
- ENG 306 – Introduction to the Bible
- ENG 473 – Milton
- FL 106 – Word Analysis: Latin and Greek Roots
- FL 230 – Foundations of Celtic Culture
- FL 330 – Celtic Culture: Mythology and Religion
- HIST 210A, HIST 210B – Comparative Asian Civilizations
- HIST 212A, HIST 212B – History of the Middle East
- HIST 302 – Ancient Egypt
- HIST 304 – History of Greece
- HIST 306 - Ancient Rome: From Republic to Empire
- HIST 308A – Imperium and Christianity
- HIST 308B – Medieval Conquests and Kingdoms, 1000-1500 C.E.
- HIST 313 – Monsters, Magic, and the Unnatural
- HIST 403 – Ancient Mesopotamia
- HIST 423A, HIST 423B – Native Americans Before 1492 to the Present
- IS 324 – Peoples and Cultures of the East
- PHIL 231 – Philosophy, Science and Religion
- PHIL 233 – Philosophies and Diverse Cultures
- PHIL 301 – Medieval Philosophy
- PHIL 320 – Ethics
- THEA 235 – Introduction to T’ai Chi Ch’uan

Admission Requirement

Students must successfully complete (earn a grade of C or above) RA 101 - Reasoning & Argumentation, or its equivalent, before they apply for a minor in religious studies. RA 101 or its equivalent does not count for credit toward the minor in religious studies.

Minor in Urban Studies

The urban studies minor at SIUE is an

interdisciplinary program dedicated to the cultivation of knowledge and skills pertaining to urban issues on the local, national and global scales. A minor in urban studies will help prepare students to be informed, thoughtful and engaged participants in an urban world by providing a broad program of study encompassing the social, cultural, geographical, historical, political, economic and planning dimensions of cities and urban life.

Students desiring a minor in urban studies must complete six credit hours of required core courses, and at least 12 credit hours of elective courses for a minimum 18 credit hours. Courses taken to fulfill minor requirements must come from at least two different academic departments. Students must pass all courses with a grade of "C" or better. Courses already counted toward a student's major cannot be counted again for this minor unless approved by both the student's major program advisor and the urban studies coordinator. Courses not listed among the electives may be acceptable if approved by the urban studies coordinator.

For additional information and advisement, please contact: Dr. James Hanlon
(Email: jhanlon@siue.edu / Phone: 618-650-2943).

Core Required Courses (6 credit hours)

- GEOG 303 - Introduction to Urban Geography

Any one of the following (remaining courses may be taken to fulfill elective requirements):

- GEOG 403 - Advanced Urban Geography
- POLS 447 - Urban Politics
- SOC 335 - Urban Sociology

Elective Course Requirements (minimum 12 credit hours)

- ANTH 332 - Ancient Cities of the Tigris, Euphrates, and Beyond
- ANTH 333 - Aztec, Maya, and Inca Origins
- CE 376 - Transportation
- CJ 366 - Race and Class in Criminal Justice
- CNST 415 - Land Development
- ECON 327 - Social Economics: Issues in Income, Employment and Social Policy
- EPFR 320 - Foundations of Education in a Multicultural Society
- GEOG 402 - Cultural Landscape
- GEOG 403 - Advanced Urban Geography
- HIST 442 - The Black Urban Experience
- HIST 470 - Public History
- POLS 320 - Public Administration
- POLS 342 - Issues in American Public Policy
- POLS 447 - Urban Politics
- SOCW 303 - Human Behavior in the Social Environment II
- SOCW 390 - Diversity and Issues of Social and Economic Justice
- SOC 304 - Race and Ethnic Relations
- SOC 335 - Urban Sociology
- SURV 264 - Construction Surveying

Because the following courses have variable content, they require advance approval by the coordinator of the urban studies minor:

- ANTH 350 - Applied Anthropology
- CJ 390 - Special Topics in Criminal Justice
- GEOG 451 - Topics in Human Geography
- HIST 400 - Topics in History
- PAPA 499 - Seminar in Public Administration

Minor in Women's, Gender, and Sexuality Studies

Women's, Gender, and Sexuality Studies (WMST) is an undergraduate interdisciplinary minor that emphasizes the study of identity and culture through women's, nonbinary, and LGBTQIA+ experiences and perspectives. Marginalized, these voices are often omitted from traditional curricula. However, since the early 1970s, WMST has generated a plethora of scholarly inquiry into oppressive structures such as sexism, racism, homophobia, ableism, ageism, and classism across disciplines, cultures, and politics.

A minor in Women's, Gender, and Sexuality Studies provides valuable insight and support to any field of study and, in turn, any of your future aspirations.

Required Courses (3 hours):

- WMST 200

Departmental Courses (15 hours)

Select any of the following cross-listed courses from at least three different departments, with a maximum of six hours from your major. Courses are credited to a department in accordance with the faculty member's departmental assignment.

- ACS/WMST 331
- ART/WMST 473
- CJ/WMST 367
- EPFR/WMST 451
- ENG/WMST 341, WMST 478
- HIST/WMST 428, WMST 452
- IS/WMST 353
- MC/WMST 351
- PBHE/WMST 300
- PHIL/WMST 344, WMST 345, WMST 346
- POLS/WMST 354, WMST 441
- PSYC/WMST 305
- SOC/WMST 308, WMST 310, WMST 391
- WMST 390, WMST 490, WMST 495, WMST 499

Women's, Gender, and Sexuality Studies courses, including those cross-listed with departments, are listed in the course descriptions section.

For more information contact us at wmstprogram@siue.edu or visit the Women's, Gender, and Sexuality Studies website.

Admission to the University

SIUE offers educational opportunities to many students. Definitions of admission categories are provided in this section, along with admission criteria and procedures. Admission Coordinators in the Office of Admissions (Rendleman Hall, room 2101) can answer any questions you may have about admission to undergraduate study at the University.

Applicants considering a specific major program should consult the appropriate department to learn about requirements for that program.

Application Deadlines and Fees

To be considered for admission, you must complete your admission file by the published deadline for the term for which you are seeking admission. For first-year applicants, priority consideration will be given to students whose applications are completed by the priority deadline. Applications received after the priority deadline will be considered as space is available. Applications completed after the final application deadline may not be considered for admission. A complete file consists of an application, application fee and all required documentation. If you do not enroll in the term in which you planned to enroll, but wish to enroll in a subsequent term, it is important that you file a new application by the deadline listed for the new term in which you plan to enter the University. Deadline exceptions may be determined by the Director of Undergraduate Admissions.

International students seeking information about application deadlines should consult the section on international admission which includes specific deadlines. If you do not enroll in the term in which you planned to enroll, it is important that you notify the Office of Admissions, Box 1047, or intladm@siue.edu, of your change in plans before the deadline date for the new term of entry.

File Completion Deadlines through 2027

2026 Fall Semester — New first-year applicants,
Priority Deadline: November 15, 2025;
Final Deadline: May 1, 2026;
All other students: July 17, 2026
International students - Priority deadline: April 1, 2025, Final deadline: June 1, 2025

2027 Spring Semester — All undergraduate students: December 11, 2026
International students - Priority deadline: October 1, 2026, Final deadline: November 1, 2026

2027 Summer Term — All undergraduate students: Two weeks prior to the start of class

International students are not eligible for summer admission

2027 Fall Semester — New first-year applicants,
Priority Deadline: November 13, 2026;
Final Deadline: May 1, 2027;
All other students: July 16, 2027
International students - Priority deadline: April 1, 2026, Final deadline: June 1, 2026

For a complete listing of deadlines, please visit siue.edu/apply.

First-Year Admission

For a complete list of first-year admission criteria, please refer to siue.edu/policies/table-of-contents/1e1.shtml. Priority consideration for admission will be given to students whose applications are complete by the priority filing date. Applications received after the priority date will be considered as space is available. Applications completed after the final application deadline may not be considered for admission.

Application Procedures for First-Year Students

The quickest and easiest way to apply and pay the application fee is online at siue.edu/apply. If you are a high school senior or if you graduated from high school within the last five years, request an official high school transcript. ACT or SAT test scores are optional. If you are attending high school, the transcript must show at least six semesters of coursework. A final transcript reflecting all high school coursework and graduation verification also must be requested after completion of high school. ACT or SAT scores that appear on the high school

transcript are acceptable.

If you graduated from high school five or more years before applying to SIUE, you must request an official high school transcript showing graduation verification. Applicants who have passed the GED test must have the regional superintendent of schools or appropriate state office send an official copy of the scores to SIUE. To be considered official, all documents (high school transcripts, GED scores, ACT/SAT scores, and college/university transcripts) must be mailed to the Office of Admissions, Box 1047, SIUE, Edwardsville, IL 62026-1047, by the office or institution that issues the document. Faxed documents are not accepted. In addition, SIUE accepts electronic transcripts submitted through various electronic transcript services. In addition, electronic transcripts can also be sent to etranscripts@siue.edu directly from the institution. If a transcript is received through this account from a student, it will not be considered official.

For International students, academic records must be originals or certified copies with the original seal of the issuing institution, or Ministry of Education, signed by an appropriate authority and in a stamped and sealed envelope. Originals or certified copies of these records must be in the institution's original language and must be accompanied by officially certified English translations. Notarized copies of credentials are not considered official. Students may also be required to provide examination scores or a copy of their diploma. Please visit siue.edu/admissions/international/apply for additional information.

Non-Traditional First-Year Students — General Education Development (GED) Test

Applicants without a high school diploma must have completed and passed the General Education Development (GED) test, which includes passing the state and federal constitutions. Applicants also must:

- correct any English, mathematics or reading deficiencies as indicated by SIUE placement tests, and
- complete at least one, 3-semester-hour course in each of the following areas: science, social sciences, and foreign language, music, art, theater, dance or speech communication.

Courses must be selected from breadth general education courses numbered below 300. These courses must be completed with a passing grade or the applicant must achieve a minimum grade of C on a proficiency examination. Courses taken to meet this additional course requirement will not carry credit toward general education or major/minor requirements. Credit will be awarded as general elective credit toward graduation, i.e. elective credits not required by the major and/or minor.

Transfer Admission

For complete transfer admission criteria, please refer to siue.edu/policies/table-of-contents/1e1.shtml. Applicants are considered transfer students when they present coursework from regionally accredited two-year and four-year institutions, unless all hours were earned in college courses while still in high school. Students who have attempted at least 30 semester hours in courses at regionally accredited institutions post high school graduation are admissible in good standing, provided they have earned a minimum cumulative 2.00 (C) grade point average in such course work at the previous regionally accredited school(s) attended. Students who have attempted fewer than 30 semester hours in courses at regionally accredited institutions post high school graduation must satisfy the first-year admission criteria. Academic standing upon admission is determined as follows:

Good Standing

Students are admissible in good standing provided they have earned at least a cumulative 2.00 (C) grade point average in such course work at the previous regionally accredited school(s) attended and meet the admission criteria for entering first-year students.

Academic Warning

Students who have less than a cumulative 2.00 (C) grade point average in such course work at the previous regionally accredited school(s) attended, but have a minimum 2.00 (C) term grade point average in their last semester prior to admission are admissible on academic warning, provided they meet the admission criteria for entering first-year

students.

Academic Probation

Students who have less than a cumulative 2.00 (C) grade point average in such course work at the previous regionally accredited school(s) attended and do not meet the criteria for academic warning are admissible on academic probation, provided they meet the admission criteria for entering first-year students.

The transfer average (i.e. the cumulative grade point average in all course work from all regionally accredited institutions previously attended) is used only in determining the applicant's eligibility for admission. Once a student is admitted, the student's SIUE record will reflect the total number of acceptable transfer credit hours (hours earned in transferable courses with grades of A, B, C, D, pass, satisfactory, etc.), but the grade point average will be calculated only for work completed at SIUE. Applicants wishing to be considered for admission as transfer students must complete their admission files at least four weeks before the beginning of the term for which admission is sought. For applicants with at least 30 semester hours of coursework as stipulated above, a complete file consists of an application for undergraduate admission, an official transcript from each institution previously attended, and the application fee. For applicants with fewer than 30 semester hours, a complete file consists of an application for undergraduate admission, an official transcript from each institution previously attended, credentials prescribed by the appropriate admission category for entering first-year students, and the application fee. (An official transcript must be sent by each institution directly to the Office of Admissions. All transcripts become the official property of the University and will not be returned or issued to another institution.) Questions about the acceptability of specific courses for admission and/or for transfer credit should be directed to the Office of Admissions.

Dual Admission Program

SIUE has established partnerships with various community colleges to establish dual admission programs for students planning to pursue a baccalaureate degree following attendance at the community college. This program is designed to provide a seamless transition between the community college and the University. Students pursuing transfer degrees or similar curricular paths at one of our partner schools may be eligible for the Dual Admission Program. A list of participating community colleges is available at the SIUE transfer website, siue.edu/transfer.

Students attending one of our partner community colleges should consider applying for dual admission. The following criteria will be reviewed to determine whether the program is the best option for those applying:

- Currently pursuing an AA, AS, equivalent transfer degree or the General Education Core Curriculum (GECC) as outlined by the Illinois Articulation Initiative (IAI)
- Fewer than 30 semester hours earned at the time of application
- Minimum cumulative GPA of 2.0
- Minimum of two semester remaining at the community college

Students interested in participating in the Dual Admission Program while enrolled at their participating community college must complete an application indicating the term they plan to attend SIUE. Admitted students receive an acceptance letter from the University with information necessary to access resources at SIUE. Students are encouraged to engage in selected activities to help them connect with the University. Students participating in the Dual Admission Program receive a waiver of SIUE's admission application fee, ongoing automatic evaluation of transfer credit each semester, academic advisement as appropriate, and periodic program updates. At the end of each semester the community college will forward an official transcript to SIUE. Awarded transfer credit will be posted and available to the student on CougarNet. Additionally students may run degree audits to monitor progress toward their intended undergraduate degree program.

Pathway Program Agreement

Community college students who plan to pursue specific majors at SIUE may benefit from pathway programs. These agreements allow students to

follow a specific curriculum while attending their first two years at the community college, then transferring into their intended major at SIUE. These programs allow students to efficiently progress toward completion of a bachelor's degree program. For programs that offer competitive admission at SIUE, pathway programs ensure that transfer students are as prepared as SIUE students to compete for admission. A list of pathway programs is available from the SIUE transfer website, siue.edu/transfer.

Students interested in participating in a pathway program while enrolled at their community college must complete an application indicating the term they plan to attend SIUE. Admitted students receive an acceptance letter from the University containing information necessary to access resources at SIUE. Students are encouraged to engage in selected activities to help them connect with the university. Students participating in this program receive a waiver of SIUE's admission application fee, ongoing automatic evaluation of transfer credit each semester, academic advisement as appropriate, and periodic program updates. SIUE participates in the Illinois Articulation Initiative. More information is available online at siue.edu/transfer.

International Student Admission

Students requiring an F or J visa to study in the U.S. will be processed through the Office of Graduate and International Admissions. In addition, applicants with foreign academic credentials, and applicants whose first language is not English will have their credentials evaluated by this office and the Transfer Center. Inquiries should be directed to the office at intladm@siue.edu. Additional information is available online at siue.edu/admissions/international.

Students holding or requiring F-1 (Student) Visas are expected to satisfy appropriate academic requirements and demonstrate English language proficiency for admission purposes. In addition, acceptable evidence of adequate financial resources is required to receive an I-20 immigration document. Applicants with U.S. educational credentials will be reviewed for academic eligibility under the same standards applied to domestic students, but these applicants will be required to provide acceptable evidence of adequate financial resources to receive an I-20 immigration document or to transfer their SEVIS record to SIUE.

Standard reference materials published by recognized organizations such as (but not limited to) the American Association of Collegiate Registrars and Admissions Officers and NAFSA: Association of International Educators will be used as guidelines to evaluate foreign academic credentials for academic eligibility, and level of placement. Applicants who are seeking university-level transfer credit for courses completed at an institution outside the United States may be required to have their transcripts evaluated by a professional credential evaluation service such as World Education Service (WES) – wes.org, or Educational Credential Evaluators, Inc (ECE) – ece.org. SIUE will use this evaluation of credit as a guideline and SIUE reserves the right to award appropriate credit. F-1 and J-1 applicants whose recognized first language is not English must provide acceptable verification of their English language proficiency. Verification must be on file by the appropriate deadline stated below. Details are found under the heading "Applicants Whose First Language Is Not English."

All F-1 and J-1 applicants must submit to the Office of Graduate and International Admissions proof of adequate financial resources. Financial arrangements must be approved by the appropriate deadline below. Questions about financial matters should be directed to the Office of Admissions. F-1 applicants applying from abroad must observe the following admission application file completion deadlines:

International Deadlines Fall: June 1; Spring: November 1

Health Insurance Requirement

In support of immigration requirements for F-1 and J-1 visa holders, SIUE requires that international students purchase and maintain coverage with a University approved international student insurance plan for the duration of their studies at SIUE. Students who do not maintain this coverage will be blocked from registration. Regulations (22.C.F.R. § 62.14) state that J-1 students and their dependents

must have adequate coverage for the duration of their studies in the United States. Federal regulations require F-1 students to verify adequate funds for living expenses, and such living expenses should include health insurance. All F-1 and J-1 students are required to enroll in the SIUE-approved student insurance plan or a comparable plan that has been approved in advance by the university's health services department and meets or exceeds the insurance requirements in the SIUE policy.

Insurance requirements apply both to J-1 and F-1 students. No exceptions will be made. All exchange students (J-1 and J-2) are required to have sickness and accident insurance and medical evacuation and repatriation insurance in effect for the duration of their exchange visitor status. A written copy of the policy in English must be provided to SIUE Health Service.

Applicants with Foreign Academic Credentials

Standard reference materials published by recognized organizations such as (but not limited to) the American Association of Collegiate Registrars and Admissions Officers (AACRAO) and NAFSA: Association of International Educators will be used as guidelines to evaluate foreign academic credentials for academic eligibility, and level of placement. Applicants who are seeking university-level transfer credit for courses completed at an institution outside the United States may be required to have their transcripts evaluated by a professional credential evaluation service such as World Education Service (WES) — wes.org, or Educational Credential Evaluators, Inc (ECE) — ece.org. SIUE will use this evaluation of credit as a guideline and SIUE reserves the right to award appropriate credit. Applicants are responsible for making all appropriate arrangements for providing official academic records attesting to all secondary and post-secondary education. Credentials not available in English must be submitted with an original and an attested translation from the same institution as the original. University-level academic work will be considered for transfer of credit as appropriate. Secondary and post-secondary school transcripts of applicants' academic records (including certification of graduation and the title of the diploma or certificate awarded when appropriate) must be sent directly to the Office of Admissions. Each transcript must bear the official's signature and the school's official seal. Photocopies of educational records and documents are acceptable only if they bear an original certification of authenticity from the issuing school or examination board. Notarized copies of educational records and documents and other exceptions to the above-stated foreign academic credentials policy will be considered only when recommended by recognized organizations such as AACRAO and NAFSA.

The University reserves the right to verify the authenticity of applicants' academic records with the issuing institutions.

Undergraduate application materials for students whose first language is not English include a detailed explanation of procedures and required credentials and fees, and are available online at siue.edu/admission/international. Materials will be sent upon request. F-1 applicants must complete their admission application by the deadline stated in the section on "Students Holding or Requiring F-1 Visas." Other applicants must complete their admission application no later than the published deadline for the semester in which they plan to begin coursework.

Applicants Whose First Language is Not English

All students with F-1 or J-1 visas and/or foreign academic credentials whose first language is not English must demonstrate in advance of admission adequate English language proficiency. English language proficiency must be verified in one of the following ways:

- Applicants may sit for either the International Testing Program of the International English Language Testing System (IELTS), or the Special Center Testing Program of the Test of English as a Foreign Language (TOEFL) and have an official score report sent directly to the Office of Admissions. The minimum acceptable TOEFL score is 72 (iTB). The IELTS acceptable band range is 6.0. Applicants may submit scores from another recognized testing service as long as the scores can be documented as being equal to or greater than the required IELTS or TOEFL score. SIUE reserves the right to determine if scores from testing services other than IELTS or TOEFL

will be accepted.
- Applicants may sit for an English language proficiency test chosen and approved by SIUE, and administered on campus at SIUE. Similar tests administered at another institution will not be accepted.
- Applicants may submit a properly certified copy of their General Certificate of Education administered by a British testing agency showing a grade of A, B, or C in the subject English Language. Recognized equivalent examinations also will be considered.
- Applicants may submit academic records certifying that they have graduated from a recognized secondary school, college or university at which English is the exclusive language of instruction and is located in a primarily English-speaking country. A list of approved countries can be found on the international admission website.
- Applicants may submit academic records certifying that they have completed courses totaling at least six semester hours equivalent to English 101 (English Composition I) and English 102 (English Composition II) with earned grades of C or better at a regionally accredited college or university in the United States.

Visiting Student Admission

Applicants who have at least a high school diploma or equivalent and wish to take undergraduate courses for credit, but who are not interested in pursuing a baccalaureate degree at SIUE, may be admitted to the University as a visiting student. These students must submit an application to be a visiting student. Students admitted as a visiting student will be allowed to enroll in undergraduate courses for which they have met the prerequisites. Applicants still in high school may be considered by the Director of Undergraduate Admissions for admission as visiting students. Applicants wishing to be considered for admission as visiting students must complete their admission files at least four weeks before the beginning of the term for which admission is sought. Students in this category are not eligible to receive financial aid. However, if a visiting student is pursuing a degree at another post-secondary institution, the student may be eligible for VA benefits. Students wishing to apply for VA benefits will need to submit appropriate documentation confirming their degree-seeking status at a parent institution. International students wishing to attend SIUE as a visiting student must be nominated through their home university and earlier deadlines may apply.

Students in this category may not accumulate more than 30 semester hours of credit at the University. If a student who has accumulated 30 semester hours of credit wishes to continue enrollment at SIUE, he/she must apply to the University as a degree-seeking student and satisfy appropriate criteria. Continued enrollment will not be permitted until the student satisfies admission criteria or appeals to the Director of Undergraduate Admissions. Applicants previously denied admission in degree-seeking categories are not admissible as visiting students.

Change of Admission Status

Students wishing to change from visiting to undergraduate degree-seeking status must submit an application by the posted deadline and meet the appropriate admission criteria. Performance in courses completed at SIUE will be considered in the admission process. Students are also required to apply for a change in immigration status and may need to return to their home country to obtain an updated visa.

New Student Orientation and Advising

First-Year and Transfer Students (Fewer than 24 Credit hours)

First-year students and transfer students entering SIUE with fewer than 24 credit hours are required to attend New Student Orientation. This program serves as the official introduction to SIUE and is designed to ensure a smooth transition to the university.

Through orientation, students will:

- Explore campus
- Learn about essential academic and support resources
- Participate in sessions designed to support their academic and personal success
- Connect with fellow new students

- Begin building a sense of community at SIUE

The goal is to help students feel prepared, confident, and excited to begin their journey as SIUE Cougars.

Transfer Students (24 or More Credit Hours)

Transfer students entering SIUE with 24 or more credit hours are encouraged to attend Transfer Orientation. This program is tailored to their specific needs and academic experience, providing key information and support to help navigate the transfer process. This program does not include academic advising or course registration. Students must schedule an advising appointment by contacting the appropriate office (siue.edu/advising).

International Students

International students are required to attend an international student orientation prior to the start of classes. For full details and arrival resources, visit siue.edu/isss/arrival.

Orientation Portal and Academic Advising Requirements

To begin the orientation and enrollment process, students must log in to the SIUE orientation portal. Once logged in, students will access a personalized checklist outlining all steps required prior to the start of their first term.

Note: Required preliminary steps must be completed before full access to the portal is granted.

Through the orientation portal, students will be able to:

- Register for an orientation session
- Schedule an individual academic advising appointment (ideally prior to their orientation day)
- Access essential information to assist in their transition to SIUE

Academic Advising and Registration

All degree-seeking students, excluding visiting students, must meet with an academic advisor every semester prior to registering for courses.

During this advising session, students will:

- Have an advising hold removed, granting access to web registration via CougarNet.
- Discuss academic interests, major options, and career goals
- Receive guidance on course selection appropriate for intended program
- Register for their first semester courses

Advisors will also provide an overview of key resources and tools to support student success.

Registration Process Guidelines

To ensure a successful registration experience every term, students should:

- Meet with an advisor early in the semester
- Ensure all advising and registration holds are cleared
- Verify all course prerequisites and restrictions are met
- Obtain any necessary permissions for restricted courses
- Register early in the registration period to ensure course availability
- Access billing and payment information via CougarNet
- Make tuition and fee payments by the published deadlines

Important: Course prerequisites and restrictions are detailed in the course schedule available through CougarNet. After consulting with their advisor, students are responsible for managing their own schedule, including dropping or adjusting any courses.

Students are expected to register before the term begins. It is advisable to register as early as possible to ensure sufficient space availability in desired classes. Beginning with the first day of the term, students who are registering for the first time will be assessed a non-refundable $25 late registration fee. No registrations will be accepted after the second week of the semester.

Placement Tests

Some entering undergraduate students should take standardized tests to help the University better understand their academic abilities and needs. The tests serve two purposes: first, they assess each

student's skills in mathematics, writing, and/or reading in order to identify coursework that would be appropriate; second, by identifying the educational skills of those entering its classes the University can assess the quality of education it provides for its students.

For first-time, first-year students and for transfer students, placement into all mathematics, English, reading, and academic development courses is based on satisfactory performance (grades of C or better) in mathematics and English courses completed elsewhere or placement tests where evidence of satisfactory performance is absent. Placement into English and academic development writing and reading courses is also based on ACT/SAT scores. Students who do not take the placement tests are placed in the course for which they qualify based on ACT/SAT subject scores or coursework. The chemistry readiness examination is required if you plan to major in **biology, chemistry, computer science, engineering, environmental sciences, exercise science, medical technology, physics, pre-medicine, pre-dentistry, pre-veterinary medicine, or pre-pharmacy** unless you have taken a college general chemistry course equivalent to CHEM 121A at SIUE or scored a 23 or above on the math portion of the ACT test.

High School Students (coursework before graduation from high school) Capable high school students will be permitted to enroll as visiting students for University courses to be taken concurrently with their senior year of high school work. These students must meet the high school admission requirements for first-year students and are subject to review by the Director of Undergraduate Admissions. A letter of support written by the high school principal or guidance counselor is required. The Director of Undergraduate Admissions also may consider applications from exceptionally capable students who have not yet completed their junior year of high school. Students admitted through the early admission program must submit a final high school transcript after completion of high school. The final transcript must reflect their graduation date.

Non-Traditional First-Year Students — General Education Development (GED) Test

Applicants without a high school diploma must have completed and passed the General Education Development (GED) test, which includes passing the state and federal constitutions. Applicants also must:

- correct any English, mathematics or reading deficiencies as indicated by SIUE placement tests, and
- complete at least one, 3-semester-hour course in each of the following areas: science, social sciences, and foreign language, music, art, theater, dance or speech communication.

Courses must be selected from Breadth general education courses numbered below 300. These courses must be completed with a passing grade or the applicant must achieve a minimum grade of C on a proficiency examination. Courses taken to meet this additional course requirement will not carry credit toward general education or major/minor requirements. Credit will be awarded as general elective credit toward graduation, i.e. elective credits not required by the major and/or minor.

Readmission of Former Students (Undergraduate)

Former students who have not attended SIUE for one calendar year (i.e., registered and paid fees) must apply for re-admission. Readmission criteria for former students are:

- Students who were in good standing during their last attendance will be admitted with the same class/college/major. Students desiring to change majors on the application for readmission, or who previously were admitted to programs that are no longer available, shall be readmitted with an exploratory major. These students may request a new major through the advisement process and must meet the entrance requirements for that program.
- Students whose academic standing was warning or probation will be readmitted with the same standing. These students will be readmitted with an exploratory major.
- Students whose academic standing was suspension during their last attendance will be admitted with an exploratory major on academic

probation, provided the student has not had more than one suspension. Such students must receive academic counseling and advising before enrolling in classes and must adhere to the agreed upon plan of action developed with their advisor.
- Students who have had two or more academic suspensions must seek approval for readmission from the Suspension Appeals Committee. Students will not be allowed to re-enter the University without approval from this committee.

Academic Forgiveness

Former SIUE undergraduate students may have the option of being treated as transfer students for the purpose of calculating their SIUE grade point average after re-entry if they have been absent from SIUE for six years (from the last term of enrollment) and have:

- successfully completed 30 baccalaureate-oriented semester hours at an accredited institution of higher education; or have
- completed an associate of arts, associate of science, or associate of science and arts degree at an accredited institution of higher education.

Registration

Registration generally is available to students by the end of March for summer and fall terms and by the end of October for the spring term. Specific registration schedules are published on the Registrar's website at siue.edu/registrar.

Changes in Registration

Students may add open full-term classes to their class schedule online via web registration in CougarNet through the first week of the term. Students may drop courses online through the first two weeks of the term via web registration in CougarNet. Students can also visit the Service Center in Rendleman Hall, room 1309, to make changes in person or send an email to servicecenter@siue.edu via their SIUE email address. All schedule changes should be confirmed using CougarNet.

Adding Classes

Students may add open full-term classes through the first week of the term online via CougarNet. Students may also use an add/drop form to add classes in the Service Center, Rendleman Hall room 1309, or by emailing servicecenter@siue.edu from their SIUE email address. Students are officially registered for only those courses and sections appearing on their registration record in CougarNet. Students may add classes provided the prerequisites and restrictions have been satisfied, an enrollment (alternate) PIN (if required) has been obtained, and all holds that prevent registration have been lifted. All schedule changes should be confirmed using CougarNet.

After the first week, approval of the instructor and department chair are required to add a class. The only classes that may be added after the second week are those that start after the end of the second week, including workshops and independent reading classes. Exceptions must be approved by the appropriate dean and the registrar. If students add classes that increase the amount of tuition and fees they are required to pay, the procedure is handled in one of two ways: 1. If tuition and fees have not been paid, a new tuition calculation is completed to reflect the increased amount. 2. If tuition and fees have been paid, the additional hours will generate a new tuition cost for that term, and the students will receive an additional e-bill in most cases.

Dropping Classes

Students may drop classes through the first two weeks of the term online in CougarNet. Students may also drop classes within the following guidelines by submitting a completed add/drop form with authorizations as appropriate to servicecenter@siue.edu. Students dropping a full-term course during weeks 1-2 will receive a refund of tuition and fees for the class. After week 2, students remain financially responsible for all tuition and fees with no refund given. Students dropping all classes for the term should refer to the section titled "Withdrawing from the University."

Fall and Spring Semesters

- Weeks 1-2 — Students may drop a class without permission of the instructor and have no entry on the transcript.
- Weeks 3-10 — Students may drop a class without permission of the instructor. A grade of "W"

automatically is assigned.
- Weeks 11-13 — Students may drop a class only with approval of the instructor and advisor; a grade of "WP" or "WF" must be assigned by instructor; "WF" is computed in the GPA as an "F."
- After Week 13 — No class may be dropped; a grade other than "W," "WP," or "WF" must be assigned by the instructor.

Summer Term

- Weeks 1-2 — Students may drop a class without permission of the instructor and have no entry on the transcript.
- Weeks 3-5 — Students may drop a class without permission of the instructor. A grade of "W" automatically is assigned.
- Weeks 6-8 — Students may drop a class only with approval of the instructor and advisor; a grade of "WP" or "WF" must be assigned by instructor; "WF" is computed in the GPA as an "F."
- After Week 8 — No class may be dropped; a grade other than "W," "WP," or "WF" must be assigned by the instructor.

Different deadlines apply to weekend, short-term classes and workshops scheduled in non-traditional formats. Contact the Service Center for information or visit the registrar's website, siue.edu/registrar. Absence from class does not constitute dropping a class or withdrawing from the University, so you must follow these instructions to avoid the assignment of failing grades. Faculty may request that students who fail to meet attendance requirements be removed from class. Because students who drop all classes are considered to be withdrawing from the University for that term, that transaction must be initiated according to the procedure below.

Withdrawing from the University

Students may completely withdraw from the term online in CougarNet through the first two weeks of the term. Student may also withdraw from the University in the Service Center, Rendleman Hall, room 1309. Completed withdrawal forms can be emailed to servicecenter@siue.edu from the SIUE email address. All withdrawals must be completed by the end of the 13th week of classes during fall and spring, and by the end of the 8th week for summer full-term classes. Different deadlines apply to short-term classes or workshops scheduled in non-traditional formats. Questions about withdrawal deadlines should be directed to the Service Center. A 100 percent refund of tuition and fees (except the late registration fee) is possible only if completed within the first two weeks of the term. All textbooks or library materials on loan must be returned before a withdrawal is considered effective and a refund is approved.

Tuition and Fee Refund

Complete withdrawals generally must be completed by the end of the 10th week of classes. Different deadlines apply to short-term classes or workshops scheduled in non-traditional formats. Questions about withdrawal deadlines should be directed to the Service Center. A 100 percent refund of tuition and mandatory fees (excluding the late registration fee) is possible only if withdrawal requests are officially completed within:

- the first 2 weeks of the term for a course that lasts 8 weeks or more;
- the first week of the term for a course that lasts at least 4 weeks, but less than eight weeks; or
- the 1st class meeting for a course that lasts less than 4 weeks.

All textbooks or library materials on loan must be returned before a withdrawal is considered effective and a refund is approved. A partial refund of 50 percent of tuition shall be given if the student's withdrawal from the University is processed after the dates outlined above, and before the deadlines outlined below:

- the last day of the 4th week for a course that lasts 8 weeks or more;
- the last day of the 2nd week for a course that lasts at least 4 weeks, but less than 8 weeks;
- the 4th class meeting for a course that lasts at least 11 days, but less than 4 weeks;
- the 2nd class meeting for a course that lasts 10 days or less.
- Students enrolled in courses lasting longer than 8 weeks and who receive a partial refund of tuition shall be given a 100 percent refund of mandatory student fees if they officially withdraw from the university by the last day of the third week.

For all other students who receive a partial refund of tuition, no mandatory fees shall be refunded. Students who receive a partial refund of tuition shall be assessed an administrative fee of $100. No tuition or mandatory fees shall be refunded after the deadlines stated above except for students entering military service for six months or longer, or students in grave circumstances who demonstrate to the satisfaction of the chancellor or the chancellor's designee that, for reasons beyond their control, the students are unable to continue their educational program. Nothing in this policy shall preclude the chancellor from complying with any applicable state or federal law or regulation.

Students receiving notification of academic suspension after completing registration for the next term will automatically be withdrawn from the University.

Consult the Registrar's website at siue.edu/registrar for withdrawal and refund deadlines. Students who receive Title IV Financial Aid (Pell, SEOG, and/or Direct Loans), and withdraw completely are subject to the federal Return of Title IV Funds policy. According to Return of Title IV Funds policy, students earn their financial aid on the basis of the portion of the semester that is completed. The University also earns a portion of the financial aid. Aid that is determined to be unearned by the student and/or University must be returned to the appropriate Title IV program. Students who are subject to Return of Title IV funds will be contacted by the Financial Aid Office and informed of the impact of withdrawing under this policy, as well as the amount of any balance owed to the University after unearned aid has been returned.

Financial and Scholarship Information

Eligibility and Applying for Financial Assistance

Eligibility

To be eligible for federal and state of Illinois financial aid programs, an undergraduate must:

- have a Social Security number;
- be a U.S. citizen or eligible non-citizen;
- be working toward a degree offered by the University, or teacher certification;
- be enrolled in at least three hours each semester for which you wish financial aid (fall, spring, and summer) (Note: some types of financial aid awards require more than three credit hours);
- demonstrate financial need;
- maintain satisfactory academic progress; and
- owe no refund on a federal grant nor be in default on a federal student loan.

Note:

Most international students do not meet citizenship requirements for financial aid programs administered by the Office of Student Financial Aid. International students should contact the Office of International Admissions at (618) 650-3705 for information about financial assistance.

An undocumented or transgender student who cannot file a FAFSA for federal financial aid programs may complete the Alternative Application for Illinois Financial Aid through the Illinois Student Assistance Commission (ISAC). Because the failure to register for Selective Service no longer disqualifies an applicant from receiving federal student aid, that obstacle is removed for transgender students who do not register. Those students may want to consider completing the FAFSA® instead of the Alternative Application to maximize their financial aid opportunities. Transgender students may choose the application process – FAFSA or Alternative Application – that best suits their individual situation.

Applying for Financial Assistance

If you are applying for need-based financial aid, you should submit the Free Application for Federal Student Aid (FAFSA) on or as soon after October 1 as possible each year to be considered for all programs, and list SIUE (code 001759) to receive the processed information.

All undergraduates applying for financial aid with a FAFSA will automatically receive consideration for the Pell Grant, the primary undergraduate grant program. Illinois residents also will be considered for the state's Monetary Award Program (MAP).

The Alternative Application for Illinois Financial Aid is for students who are in-state and not eligible for federal student financial aid, including for qualified undocumented students and for transgender students who were not eligible for federal financial aid prior to the Selective Service registration requirement being eliminated for the 2021-22 award year and beyond. Most students will still complete the Free Application for Federal Student Aid (FAFSA) to apply for financial aid. For students that are unsure whether to complete the Alternative Application, pre-screening questions at the beginning of the Alternative Application will help to determine which application should be filed.

Definition of Independent Student

For federal and state of Illinois programs, you are considered independent if at least one of the following criteria describes you:

- born before January 1, 2003;
- married as of the date of filing;
- a veteran of the U.S. armed forces or currently serving on active duty;
- at the beginning of the 2026-2027 academic year, will be enrolled in a graduate or professional program;
- at any time since age 13, were an orphan, in foster care, or were a ward of the court;
- have children for whom you will provide more than half of their support;
- have legal dependents other than a spouse or children for whom you will provide more than half of their support;
- prior to turning 18 were an emancipated minor as determined by a court in your state of legal

residence;
- prior to turning 18 had a legal guardian as determined by a court in your state of legal residence; or
- at any time on or after July 1, 2023, were determined by your high school or school district homeless liaison, HUD, or the director of a homeless youth center to be an unaccompanied youth who was homeless.

Determining the Financial Aid Package

The Office of Student Financial Aid assesses your financial need and determines the programs for which you are eligible. An offer of financial aid, or financial aid package, which includes awards from the programs for which you are eligible, is then available to you on CougarNet. Your financial need and awards are determined as described below:

A budget is assigned that reflects your estimated educational expenses. The budget includes tuition, fees, living expenses, books and supplies, transportation, and living and personal expenses. The Student Aid Index (SAI) is a result of the federal processor calculating all the information contained in the FAFSA, including family income and assets, and is sent to the Office of Student Financial Aid by the federal FAFSA processor. The SAI is subtracted from the school year budget assigned to you by the school. From that amount is subtracted any private scholarships, veteran benefits, and/or third-party payments. Federal Unsubsidized Loan, PLUS Loan, and Alternative Loan programs can be utilized to fill any remaining financial need. Once financial need is determined, you are considered initially for grant eligibility, then for work-study, and finally for loans. Students who submit the FAFSA on or soon after October 1 will be considered for all programs. In the awarding of SIUE-administered need-based grants, on-time applicants are ranked in order of greatest need, and awards are made on the basis of the size of financial need. If funds are still available after these students are awarded assistance, additional students will be considered.

If you have significant changes in your family financial situation (death, disability, divorce, or other extreme circumstances) after filing your forms, you may request a review of your application called a Special Circumstance. Aid may be awarded based on a changed SAI due to the special circumstance approval. Contact the Office of Student Financial Aid for more information.

Paying the Semester Bill with Financial Aid

To use financial aid as credit for paying the semester bill, follow these basic steps:

- Apply for financial aid (FAFSA or Alternative Application for Illinois Financial Aid) before the beginning of the start of the semester the student wishes to attend. The processing of aid can take a few weeks. Be sure to file in accordance with processing timelines.
- Register for at least half-time each semester for which you wish financial aid—fall, spring, and summer (6 hours for undergraduates and 5 hours for most graduate students. Please see website for more details.)
- Access your aid offer on CougarNet.
- Confirm acceptance of your awards on CougarNet as directed in the information provided online.
- If appropriate, go online to complete Entrance Loan Counseling and the Master Promissory Note www.studentaid.gov.
- Have adequate financial aid to cover all new charges for the term and all balances due from a prior term.
- Have no “holds” on your records from the Office of Student Financial Aid, Records, Office of the Bursar, or the Office of the Vice Chancellor for Student Affairs (for example, satisfactory progress termination, past due balance, disciplinary hold). In most cases, students who apply for financial aid on or soon after October 1, accept their financial aid awards by mid-June, and register for classes by the end of June will receive credit for their grants, scholarships, waivers, and loans on the first fall semester bill. Students with no past-due charges are considered financially cleared for the next term in one of two ways: 1. Sufficient financial aid (grants, scholarships, waivers, and/or loans), covering 100 percent of the charges for the term, is applied to the student’s Bursar account by the first payment deadline; or 2. Financial aid is applied to the student’s Bursar account and the student pays the first installment payment appearing on the bill by the first payment deadline.

Being financially cleared allows a student to have his/her ID validated and use SIUE services such as the library and fitness center, and protects his/her class schedule from cancellation due to non-payment.

Withdrawal with Financial Assistance

Students who are registered and need to fully withdraw from classes for the term must initiate the withdrawal process in the Service Center. Withdrawal during the 100 percent refund period cancels your obligation to pay tuition and fees for the term. However, students who receive Title IV financial aid (Pell, TEACH, SEOG, and/or Direct Loans) and withdraw completely are subject to the federal Return of Title IV Funds policy. The policy states that students "earn" their financial aid on the basis of the portion of the semester in which the student is enrolled; SIUE also "earns" a portion of the financial aid. Aid that is determined to be "unearned" by the student and/or the university must be returned to the appropriate Title IV program. Students who are subject to Return of Title IV Funds will be notified by the Office of Student Financial Aid of any award changes and instructed to view their balance owed to SIUE on CougarNet.

Financial Aid Services

Student Financial Aid offers the following services to help finance your education at SIUE:

- general information by phone, e-mail, virtually, or in person;
- one-on-one advising on a walk-in basis;
- review for special circumstances (e.g. significant loss of income, death of wage earner, divorce);
- websites at siue.edu/financial-aid and siue.edu/student-employment;
- online Cougar Jobline at siue.edu/student-employment;
- online record of required documents and awards offered/paid at siue.edu/cougarnet; and
- short-term loans or emergency assistance for educational expenses.

Planning for University Costs

When you are planning for University costs, it is important to research several factors:

- available financial aid programs and eligibility requirements;
- steps to apply;
- application deadlines;
- cost of tuition and fees and other expenses;
- date payments are due versus date financial aid will be disbursed; and
- student responsibilities related to receiving financial aid.

Grants

Grants normally are awarded to students with significant financial need in combination with work-study and loans as part of the financial aid package. The federal Pell and Supplemental Educational Opportunity Grants, as well as the Illinois MAP Grant and the Student-to-Student Grant, are awarded based on information provided on the FAFSA. To receive federal, Illinois, or institutional grant assistance, a student must not be in default on any student loan and not owe a refund on any state or federal grant.

Federal Pell Grant

This federally sponsored program is awarded only to undergraduate students who display exceptional need and have not earned a bachelor's, graduate, or professional degree.

Federal Supplemental Educational Opportunity Grant

The Federal Supplemental Educational Opportunity Grant program helps students with the most financial need (i.e., eligible for Pell Grant). At SIUE, annual awards are for a maximum $1,400.

Illinois Monetary Award Program

The Monetary Award Program (MAP) provides for full or partial payment of in-state tuition and mandatory fees, based on significant financial need, to Illinois resident undergraduate students enrolled in at least 3 hours during the fall and spring semesters. To be considered, students must submit the FAFSA (or Alternative Application for Illinois Financial Aid) before the MAP deadline and list SIUE as their first-choice institution. Additional information is available from the Illinois Student Assistance Commission at isac.org.

Illinois National Guard Program

Detailed information can be found at the Military and Veteran Services website at siue.edu/military. Members of the Illinois National Guard are eligible to receive a grant for payment of tuition, the general student fee, and the graduation fee for undergraduate or graduate students after one full year of service in the Illinois National Guard as an enlisted person or company grade officer up to the rank of captain. Recipients must maintain good academic standing during the period of the award. For full-year award consideration, candidates should apply to the Illinois Student Assistance Commission (ISAC) by October 1 of the academic year for which assistance is being requested. The application is available online as an interactive application on the ISAC website at isac.org along with complete details of the program. Awards are available for a maximum of 8 full-time semesters for qualified applicants who have completed less than 10 years of active duty Illinois National Guard service. The benefit is extended up to an additional 4 full-time semesters for qualified applicants who have completed ten years or more of active duty Illinois National Guard service; no minimum enrollment is required.

Illinois Veteran Grant

Detailed information can be found at the Military and Veteran Services website at siue.edu/military. Veterans who qualify for the Illinois Veteran Grant (IVG), which covers tuition, and the general student fee, may use it concurrently with GI Bill benefits. This grant is available to graduate or undergraduate students who have at least one full year of full-time active duty in the U.S. armed forces, are honorably discharged, and meet the IVG residency requirements. Any veteran who resided in Illinois within six months before entering the service and returned to Illinois within six months of discharge from the service may be eligible. Student must reside in Illinois unless the student is serving federal active duty service at the time of enrollment in college or residing with a spouse in continued military service who is currently stationed outside of Illinois. Applications and additional information are available at isac.org.

VA Educational Benefits

Detailed information can be found at the Military and Veteran Services website at siue.edu/military. SIUE is approved by the State Approving Agency for Veterans Education. Veterans who qualify for the Illinois Veteran Grant (through ISAC) or Illinois National Guard (ISAC) may use this award concurrently with their VA benefits. Veterans do not normally receive VA educational benefits for the grades of W, WP, WF, No Show (NS), No Credit (NC), Audit (AU), and Progress (PR). However, under certain circumstances, the VA may authorize payment of VA benefits for these grades. Non-degree seeking students are not eligible for VA benefits. Veterans must meet specific academic progress requirements to remain eligible for VA benefits.

VA benefits are determined by the veteran’s length of active duty in service, number of dependents, enrollment status, “kickers” awarded by the branch of military service in which the veteran served, and other factors. Benefits for non-traditional courses may vary. After registering each term, students receiving VA benefits should report their registration to the Veterans Certification Section of the Records Office by completing a GI Bill Certification Request Form. The GI Bill Certification Request Form can be found online at siue.edu/military and may be turned in through fax or e-mail for convenience. Any change in enrollment after registration should be reported to Veterans Certification as soon as possible. A student who withdraws or leaves SIUE should refer to the registration section of this catalog titled “Withdrawing from the University.”

Illinois Bonus Incentive Grant

Holders of Illinois College Savings Bonds for at least 12 months may be eligible for a non-need based grant if the bond proceeds are used to pay for educational expenses. Grant amounts range from $40 to $440 per $5,000 of compound accreted value at maturity, depending on the maturity of the bond. The program is dependent on funding from the Illinois General Assembly. A bondholder must apply between August 1 and May 30 of the academic year in which the bond was redeemed or in the academic year immediately following the redemption. Funds have not been appropriated by the Illinois General Assembly for this program since the 2011-2012 academic year. Additional information is available from the Illinois Student Assistance Commission at isac.org.

ROTC Scholarships

Both the Air Force and Army ROTC Programs at SIUE offer scholarships to qualified students. The scholarships may pay up to full tuition and the general student fee. Students should contact the appropriate unit for complete information: Army ROTC Program, Founders Hall, Room 3106, SIUE, Edwardsville, IL 62026, (618) 650-2500; Air Force ROTC Program, (314) 977-8311 or afrotc@slu.edu.

MIA/POW Scholarship

Detailed information can be found at the Military and Veteran Services website at siue.edu/military. Dependents of a person who was an Illinois resident at the time he or she entered active duty and has been declared to be a prisoner of war, missing in action, dead as a result of a service-connected disability, or disabled with a 100 percent disability as the result of a service-connected cause as recognized by the U.S. Department of Veterans Affairs or the U.S. Department of Defense, may be eligible to receive the MIA/POW Scholarship. This scholarship may be used at public colleges in Illinois and is administered by the Illinois Department of Veterans Affairs.

Other Illinois Grants

Grants also are available to spouses and children of Illinois police or fire officers killed or permanently disabled in the line of duty, and to spouses and children of state of Illinois Department of Corrections officers killed or permanently disabled in the line of duty. Recipients must be enrolled in undergraduate courses at least half-time, or 6 hours, each semester. The awards cover tuition and some fees, and are available for up to 8 semesters. Applications and additional information are available at isac.org.

Student-To-Student Grant

The Student-to-Student (STS) Grant is funded through a voluntary student fee assessed each term. Grants, ranging from $600 to $1,000 per year, are made to students based on financial need.

Loans

Loans are available to SIUE students through federal, state, institutional, and private programs to assist with educational costs. Some loans require financial need, but others are available to students with no financial need. The Federal Direct Subsidized, Federal Direct Unsubsidized, and Federal PLUS loans require a student to have filed a FAFSA application.

Federal Direct Subsidized Loans

Subsidized federal loans are low-interest loans made to undergraduate students attending at least half-time (minimum 6 hours). Students qualify for a subsidized loan based on financial need. Repayment begins six months after a student graduates, leaves school, or drops below half-time. Interest on subsidized loans does not begin accruing until graduation, termination of studies, or a drop below half-time enrollment. Undergraduates may borrow up to $3,500/year as a freshman, $4,500/year as a sophomore, and $5,500/year as a junior or senior. For periods of undergraduate study of less than a year, the amount a student can borrow may be less than noted above. Students enrolled for only one semester in an academic year should see a financial aid advisor to determine how much they can borrow. Most students are limited to borrowing their annual maximum across three terms (fall, spring, summer). The fixed interest rate is determined every July 1.

Federal Direct Unsubsidized Loans

The unsubsidized federal loan program is similar to the subsidized loan program (described above); however, students are not required to have financial need for these loans. Unsubsidized loans are appropriate for students with no financial need or very moderate need. A minimum of $2,000 unsubsidized loan will be offered to students. Independent undergraduates may borrow an additional $4,000-$5,000/year of unsubsidized loan, compared to a dependent student. For students whose financial need (or eligibility for a subsidized loan) is less than the maximum for their class standing, it is possible to receive a federal loan partly based on financial need (subsidized) and partly not based on financial need (unsubsidized). The difference between these two loans is accrual of interest. While repayment for unsubsidized loans can be deferred until after graduation, the interest on an unsubsidized loan begins to accrue while the borrower is in school. Repayment for unsubsidized loans can be deferred until after graduation, but the

interest begins to accrue while the borrower is in school. The fixed interest rate on an unsubsidized loan is determined every July 1.

Federal PLUS Loan

Federal PLUS loans enable parents with acceptable credit histories to borrow for their student who is enrolled at least half-time and is a dependent student. As of July 1, 2026, an eligible parent may borrow up to $20,000 per academic year, per dependent student, after any estimated financial aid their student may be receiving. The fixed interest rate is determined every July 1. Parents may defer repayment of the PLUS loan until the student begins repayment; however, interest begins to accrue upon disbursement of the loan. The student must have a FAFSA on file for the parent to be eligible to apply for the PLUS loan.

Alternative Loans

Alternative loans, also called private loans, are offered by lending institutions as an additional source of funds for higher education. We encourage you to pursue Federal Direct Stafford Loans before seeking Alternative Loans. These loans are not part of the federal government loan programs, but they are good options after other financial aid sources have been exhausted. Interest rates vary from lender to lender.

VA Educational Benefits

Detailed information can be found at the Office of Military and Veteran Services website at siue.edu/military. SIUE is approved by the State Approving Agency for Veterans Education. Veterans who qualify for the Illinois Veteran Grant (through ISAC) may use this award concurrently with their VA benefits. Veterans do not normally receive VA educational benefits for the grades of W, WP, WF, No Show (NS), No Credit (NC), Audit (AU), and Progress (PR). However, under certain circumstances, the VA may authorize payment of VA benefits for these grades. Non-degree seeking students are not eligible for VA benefits. Veterans must meet specific academic progress requirements to remain eligible for VA benefits. Veterans applying for VA benefits may obtain the necessary application forms from the Veterans Affairs Regional Office or from SIUE's Veterans Certification Section, Records, Room 1207, Rendleman Hall. These forms, along with a copy of the Veteran's DD-214 (Report of Separation from the Armed Forces) and certified proof of any dependents, such as marriage certificate or birth certificates of children, should be provided to Veterans Certification. This office in turn will complete the enrollment certification and mail it with the application to the Veterans Affairs Regional Office. Veterans who experience any changes in dependent status after receiving benefits must immediately notify the Veterans Administration Regional Office.

VA benefits are determined by the veteran's length of active duty in service, number of dependents, enrollment status, "kickers" awarded by the branch of military service in which the veteran served, and other factors. Benefits for non-traditional courses may vary. Students attending courses that meet in nontraditional formats should contact the Veterans Certification Section, Records, Room 1207, Rendleman Hall. After registering each term, students receiving VA benefits should report their registration to the Veterans Certification Section of the Records Office by completing a GI Bill Certification Request Form. Any change in enrollment after registration should be reported to Veterans Certification as soon as possible. A student who withdraws or leaves SIUE should refer to the registration section of this catalog titled "Withdrawing from the University."

In accordance with Title 38 US Code 3679(c), Southern Illinois University Edwardsville (SIUE) adopts the following additional provisions for any students using U.S. Department of Veterans Affairs (VA) Post-9/11 G.I. Bill® (Ch. 33) or Vocational Rehabilitation and Employment (Ch. 31) benefits, while payment to the institution is pending from VA.

SIUE will not:

- Prevent the student's enrollment
- Assess a late penalty fee to the student
- Require the student to secure alternative or additional funding
- Deny the student access to any resource (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 a student may be required to:

- Produce the VA Certification of Eligibility (COE) by the first day of class
- Provide a written request to be certified
- Provide additional information needed to properly certify the enrollment as described in other institutional policies

Employment

Part-time student employment is available at SIUE under both the regular student employment program and the Federal Work-Study program. SIUE also helps students find off-campus employment through the Job Locator Program.

Student Employment

SIUE offers a broad range of part-time student work opportunities in almost every phase of university operation or service. Many positions are in the clerical, maintenance, or food service areas, and many challenging positions help develop the administrative, research, or technical skills of students. Students work up to 28 hours per week as class schedules permit. Students on F-1 or J-1 Visa's are prohibited from working more than 20 hours per week while classes are in session during Fall and Spring semesters, but all students, international or domestic, may work up to 37.5 hours during Summer semester. Generally, students begin working at the state minimum wage and receive increases as total accumulated hours increase. Available jobs are listed online in the Cougar jonline portal at siue.edu/student-employment. Students apply for jobs via the Internet.

Federal Work-Study Program

The Federal Work-Study Program is designed to help students with financial need to secure employment and help defray costs. Students who qualify are awarded federal funds (dependent upon available funding) that pay part of their wages; the unit in which they work pays the remainder. Federal Work-Study eligibility is awarded as part of a package of scholarships, grants, and/or loans. Students must complete a FAFSA and the results must show need in order to be offered Federal Work-Study.

Job Locator and Development Program

The Job Locator and Development Program helps students seeking part-time jobs with employers in the communities surrounding SIUE. Designed to place SIUE students in part-time jobs related to their career and academic interests, the Job Locator Program provides financial assistance and job experience to students. Enrolled students may participate in the Job Locator Program. Employment opportunities are found online in the Student Job Finder at siue.edu/student-employment.

University Scholarships

University funds provide scholarships that are awarded to students with good academic records and, sometimes, financial need. Go to the scholarship website at siue.academicworks.com to see a list of all university scholarship offerings and how to apply for each, or contact the Office of Student Financial Aid for details. Scholarships, like grants, need not be repaid.

Meridian Scholars Program

- New freshman undergraduates only
- Admission to the University by November 15 required
- Deadline for application: November 15
- Value: in-state tuition, fees, on-campus shared housing and Cougar Basic Meal Plan for 8 semesters
- Selection based on exceptional academic record, leadership qualities, and interview; preference for AP and honors course credit in high school
- Cumulative 3.5 high school GPA (4.0 scale)
- Admission to John Martinson Honors Scholars Program, Undergraduate Research Academy projects and other academic opportunities

Cougar Pride Scholarships

- Admission to the University by December 1 (March 1 for transfer students)
- Through a competitive process, up to $4,000 awarded annually as funding is available
- Freshmen must have a cumulative 3.0 high school GPA (4.0 scale)
- Transfer students must have a minimum 3.0 GPA with minimum 24 semester hours in coursework that is transferable to SIUE or an associate degree

- Award is good for up to eight semesters; students must complete 12 credit hours per semester and maintain a 2.9 cumulative GPA

Johnetta Haley Scholarships

- Admission to the University by December 1 (March 1 for transfer students)
- Through a competitive process, $2,000 awarded annually as funding is available
- Freshmen must have a cumulative 3.0 high school GPA (4.0 scale)
- Transfer students must have a cumulative 3.0 GPA in at least 24 semester hours in coursework that is transferable to SIUE or an associate degree
- For students from underrepresented backgrounds planning on careers in nursing, engineering, sciences, or teacher education; all persons are encouraged to apply
- Award is good for up to eight semesters; students must complete 12 credit hours per semester, 12 hours of volunteer service each semester, and maintain a 2.9 cumulative GPA

AIM High Grant

- Newly admitted freshmen entering the fall semester; admission to the University by December 1
- FAFSA on file; preferential consideration is given to students completing the FAFSA as soon as possible after October 1
- Freshmen must have a 2.75 high school GPA or higher
- Eligibility requirements must be in accordance with requirements set by the Illinois Student Assistance Commission listed online
- Awarded $2,500 per academic year as funding is available

SIUE Commitment

- Incoming freshmen or transfer students with family income less than $113,575 and assets less than $50,000 based on submitted FAFSA. (Alternative Application for Illinois Financial Aid can be used in lieu of the FAFSA for noncitizen students and transgendered students who meet the RISE Act criteria.) The admissions application and submitted FAFSA will be used to determine eligibility for this award.
- Independent students who are not Pell eligible will be reviewed on a case-by-case basis.
- Must be an Illinois resident.
- Must be enrolled in a full time bachelor's program. Award is valid for eight semesters. Pharmacy students may be eligible at the undergraduate rate.
- SIUE will cover tuition, mandatory and course specific fees if a student qualifies. Award will close the gap after utilizing financial aid from all federal, state, and institutional sources including merit-based scholarships.

Athletics Scholarships

SIUE offers scholarships to talented athletes in accord with National Collegiate Athletic Association rules and procedures. For information, contact the Director of Intercollegiate Athletics, Box 1129, SIUE, Edwardsville, IL 62026-1129.

ROTC Scholarships

Both the Air Force and Army ROTC Programs at SIUE offer scholarships to qualified students. The scholarships may pay up to full tuition and the general student fee. Students should contact the appropriate unit for complete information: Army ROTC Program, Founders Hall, Room 3106, SIUE, Edwardsville, IL 62026, (618) 650-2500; Air Force ROTC Program, (314) 977-8311 or afrotc@slu.edu.

International Opportunities

International GEO

This is not a scholarship, but a tuition rate for qualified undergraduate, transfer and graduate international students. Students with this award will pay 1.2 times the in-state tuition rate instead of the 2.5 times normally assessed for international students. This award does not apply to fees, housing, meal plan, or any other charges. Students are eligible for this award based upon their academic credentials and will be notified by the Office of International Admissions at the time of admission. Students who maintain good academic standing and continue to make appropriate progress toward a degree may receive the award until degree completion, as long as funding is available.

International Legacy

This is not a scholarship, but a tuition rate for undergraduate international students with alumni connections to SIUE (verified parent, grandparent,

sibling, step-parent or guardian). Students with this award will pay the in-state tuition rate instead of the normal 2.5 times assessed as an international tuition rate. This award does not apply to fees, housing, meal plan, or any other charges. Students should contact the Office of International Admissions, Rendleman Hall Room 2120, Campus Box 1600, Edwardsville, IL 62026, (618)650-3705 or intladm@siue.edu for complete information.

Illinois Scholarships

Illinois resident students may be eligible for scholarships administered by the Illinois Student Assistance Commission (ISAC). Applications and information about these programs are available from ISAC by calling 1-800-899-ISAC or online at isac.org. The number of scholarships, and individual dollar amounts awarded, are subject to sufficient annual appropriations by the Illinois General Assembly and the governor.

Teachers of Illinois Scholarship

The Teachers of Illinois Scholarship Program aims to aid to those who commit to teach in underserved school districts in the state of Illinois. Funds for this program may be used to pay up to the total cost of attendance. This scholarship may be received for a maximum equivalent of four academic years (eight semesters if 12 quarters) of full-time enrollment. As part of the application process, you must agree to the terms and conditions that are outlined in the application's Teaching Agreement/Promissory Note. By receiving this scholarship, you must teach in Illinois. If this teaching commitment is not fulfilled, the scholarship turns to a loan, and you must repay the entire amount plus interest. Here is the link for full information and application: Teachers of Illinois Scholarship Program.

Illinois Special Education Teacher Waiver Program

Teachers or academically talented students pursuing a career in special education as public, private, or parochial preschool, elementary, or secondary school teachers in Illinois may be eligible for the Illinois Special Education Teacher Tuition Waiver Program. This program will exempt such persons from paying tuition and mandatory fees at an eligible institution for up to four calendar years. Recipients of this scholarship must teach in Illinois. If this teaching commitment is not fulfilled, the scholarship converts to a loan, and the recipient must repay the entire amount plus interest. To apply, an Illinois Special Education Teacher Tuition Waiver Application must be obtained by requesting it from ISAC. See isac.org for contact information. Submit a complete application to ISAC's Deerfield office postmarked on or before March 1 immediately preceding the initial academic year for which the tuition waiver is requested. Once eligible for the program, applicants need not reapply for consideration for additional years. Those who are eligible for the Illinois Special Education Teacher Tuition Waiver will receive a notice of eligibility by July 1.

Golden Apple Scholars of Illinois (Illinois Scholars Program)

Created in 1988 by the award-winning teachers of the Golden Apple Foundation, the Golden Apple Scholars of Illinois program recruits and prepares bright and talented high school graduates who represent a rich ethnic diversity, for successful teaching careers in high-need schools throughout Illinois, and provides scholarships to students pursuing teaching degrees. The Golden Apple Foundation is a not-for-profit organization based in Chicago. The foundation promotes excellence in Pre-K through 12 education through the work of excellent teachers. Golden Apple Scholars receive mentoring support from outstanding, award-winning teachers who are part of the Golden Apple network. In exchange for successful completion of undergraduate college and a commitment to teach for five years in an Illinois school of need, scholars receive financial assistance for four years to attend one of the 54 public and private universities across the state and to take part in summer programs that include teaching internships and enhanced teacher preparation. To apply, students must be nominated to be a Golden Apple Scholar of Illinois by a teacher, counselor, principal, or other non-family adult. Students also may nominate themselves. For more information about how to apply, go to isac.org.

Merit Recognition Scholarship (MRS) Program

Students who ranked in the top five percent of their high school class at the end of their third semester

before graduation, or scored among the top five percent of scores in the ACT, SAT I or Prairie State Achievement Exam, may be eligible to receive $1,000 from the Merit Recognition Scholarship (MRS) Program. This one-time, non-renewable scholarship can be used to help pay for tuition, fees, or other educational expenses at any approved Illinois institution or one of the nation's four approved Military Science Academies. There is no student application to complete for the MRS Program; high school counselors submit information to ISAC for the selection process. (Note: There is no monetary value at this time as this scholarship has not been funded since 2004-2005; scholastic recognition continues).

MIA/POW Scholarship

Detailed information can be found at the Office of Veteran Services website at siue.edu/veterans. Dependents of a person who was an Illinois resident at the time he or she entered active duty and has been declared to be a prisoner of war, missing in action, dead as a result of a service-connected disability, or disabled with a 100 percent disability as the result of a service-connected cause as recognized by the U.S. Department of Veterans Affairs or the U.S. Department of Defense, may be eligible to receive the MIA/POW Scholarship. This scholarship may be used at public colleges in Illinois and is administered by the Illinois Department of Veterans Affairs.

Early Childhood Access Consortium for Equity Scholarship Program

For students who work or have worked in early childhood education and seek additional credentials and/or a degree in early childhood education. The program was created to address the shortage of qualified early childhood educators by encouraging the pursuit of credentials and advancement of already-held degrees in early childhood education. Recipients of the scholarship are expected to continue or return to teaching or direct services in the early childhood care and education field in Illinois after they complete their program of study. The scholarship will cover the applicant's total cost of attendance for an academic year (including summer) after other financial aid received. Applicants are required to complete the FAFSA for the same academic year. Visit isac.org for application and additional information.

Other Scholarships

In addition to considering the scholarships listed, students may wish to contact their major departments or school/college at SIUE to determine whether funds are available. Also, students should check the Internet for scholarship information, consult the student newspaper for notices about scholarships provided by campus organizations, check with their employers or their parents' employers for scholarship opportunities, or go to their local libraries for information. For institutional scholarships, visit siue.academicworks.com. The Office of Student Financial Aid's website, siue.edu/financial-aid, also contains several links for free, reputable scholarship search services, as does isac.org. Beware of scholarship scams, and never pay for a scholarship search.

Financial Aid Satisfactory Academic Progress (SAP) Policy

United States Department of Education regulations, Illinois Student Assistance Commission rules, and University policy require a student applying for and/or receiving Federal, State, and University financial assistance to maintain Satisfactory Academic Progress in order to receive these funds. Students must be making Satisfactory Academic Progress regardless of whether the student has previously received aid. The standards must be cumulative, and as such, all prior terms of attendance are included in the evaluation, per Federal, State, and University regulations. Students who have been academically suspended from the University are also suspended from financial aid and, if allowed to re-enroll, must submit a financial aid appeal or achieve Satisfactory Academic Progress standards without the benefit of financial aid.

Purpose

The intent of this policy is to 1) ensure that students using financial aid programs are demonstrating responsible use of public funds in pursuit of their educational goals; 2) set standards for monitoring all financial aid recipients' course completion rates each term; and 3) give students whose progress does not meet the standards of this policy at least one

term of financial aid on a warning basis in which to improve their academic progress.

Definitions

1. Attempted course - A course which remains on the student's record after Census.

2. Completed course/earned credit - A course in which a grade of A, B, C, D, or P was received. Withdrawals (WP, WE, WF, W, WR, and UW), progress grades (PR), no credits, no grades (NG), blank grades, incomplete grades (I), audits (AU), and failures (E, F) are not considered "earned credit" for meeting progress requirements.

3. Developmental course - Course with the prefix of "AD" or numbered "0XX" (not 100 level skills courses).

4. Financial aid - Federal Title IV programs, plus the State and institutional programs listed below.
- Federal Pell Grant
- Federal Supplemental Educational Opportunity Grant (FSEOG)
- Federal Work Study
- Federal TEACH Grant
- William D. Ford Federal Direct Loan (subsidized and unsubsidized)
- William D. Ford Federal Direct PLUS Loan (Parent or Graduate)
- Illinois Monetary Award Program (MAP)
- Illinois Special Education Teacher Tuition Waiver Program, MTI Scholarship Program
- AIM HIGH Grant
- SIUE Foundation Grant
- SIUE Foundation Loan
- SIUE Regular Student Employment
- SIUE Scholarships
- SIUE Grants
- SIUE Student-to-Student Grant
- SIUE Tuition Waiver (except employee waivers)

5. Financial Aid Warning - A status assigned to a student who has been identified as not meeting one or more standards in this policy but who can continue to receive financial aid.

If at the end of the Warning term, a student has achieved a cumulative completion rate greater than or equal to 67 percent **and** the cumulative GPA is greater than or equal to 2.00, the student will be considered to be making Satisfactory Academic Progress for financial aid purposes.

If at the end of the Warning term, a student has not achieved a cumulative completion rate of greater than or equal to 67 percent **and/or** the cumulative GPA is not greater than or equal to 2.00, the student will be placed on Financial Aid Termination.

6. Financial Aid Termination - The point at which a student is no longer eligible to receive financial aid as defined in this policy; normally, this is following an unsuccessful term of Warning or Probation.

7. Financial Aid Probation - A status assigned to a student who fails to meet Satisfactory Academic Progress, has successfully appealed that decision, and has eligibility for financial aid restored.

If at the end of the Probation term, a student has achieved a cumulative completion rate greater than or equal to 67 percent **and** the cumulative GPA is greater than or equal to 2.00, the student will be considered to be making Satisfactory Academic Progress for financial aid purposes and full financial aid is restored.

If at the end of the Probation term, a student has not achieved the required cumulative rate, but the term satisfies the Academic Plan, the student will stay on Probation as the term progress contributes to the cumulative progress.

If at the end of the Probation term, both the cumulative and term requirements are not met according to the approved Academic Plan, the student will be placed on Financial Aid Termination.

8. Incomplete - A grade of "I" received for an attempted course in which a student did not complete all work required for the course during the term and has permission of the instructor to do so within a specified time period. The student receives no credit until the course is completed. Incomplete hours, as defined by Registrar policy, are included as 'not earned' hours in completion rate calculations.

9. Maximum timeframe - Time limit set for receipt

of financial aid that is specific to a student's program of study. Federal law defines this limit as 150 percent of published program length.

10. Repeat Course - A course that has been previously attempted. Only the most current grade is included in the GPA calculations. All attempts are included in the completion rate calculations. Per Registrar policy, you may only repeat a course 3 times. After the fourth course attempt, you will be restricted from registering for the class again.

11. Satisfactory Academic Progress/Satisfactory Progress - Completion of courses and achieving a cumulative GPA which meet the standards defined in this policy.

12. Transfer credit - Course accepted for credit at SIUE from another institution. Accepted transfer hours are not included in cumulative GPA calculations, but are included in cumulative completion rate calculations.

Authority

The Higher Education Act of 1965 as amended and final regulations set by the United States Department of Education (34CFR668.16) require that institutions of higher education establish reasonable standards of satisfactory academic progress as a condition of continuing eligibility for Federal aid programs. Nothing in this policy shall be construed as an exemption from the requirements of any other Federal or State agency, or other granting or governing authority that apply to a student or to the financial assistance the student receives, nor does this policy limit the authority of the Office of Student Financial Aid Director when taking responsible action to eliminate fraud or abuse in these programs.

Satisfactory Progress Standards

To remain eligible to receive financial aid students must:

- complete courses at an overall rate which will ensure graduation within the maximum timeframe (67 percent - not rounded);
- complete developmental and incomplete courses in a timely manner (67 percent - not rounded);
- graduate within the maximum timeframe (150 percent) specific to their degree programs;
- maintain academic standing, usually a specific term and cumulative grade point average, consistent with SIUE academic policy.

Satisfactory Academic Progress is checked at the end of each academic term.

Maximum Timeframe - To retain financial aid eligibility, a student must complete the degree program within 150 percent of the published program length. Attempted hours for this purpose include regular course hours, as well as accepted transfer credit. Once the maximum timeframe has been reached, the student is ineligible for financial aid unless additional time to complete the degree is approved through appeal. Developmental hours are eliminated from the timeframe limit; while they may be required, they do not contribute to the hours required for a degree.

Overall Cumulative Completion Rate - Completion rates reflect the rate at which students earn credit for courses attempted (for example, a student earning credit for 9 of 12 attempted hours would have a 75 percent completion rate). A student must complete at least 67 percent of the attempted hours. This percent is not rounded up or down. A student's attempted hours are determined by the official enrollment status at Census for a given term or class. Accepted transfer hours are included in the cumulative completion rate calculations as both earned and attempted hours.

Developmental Course Completion - Students taking developmental courses are eligible to receive financial aid for the first thirty hours of developmental classes attempted.

Developmental courses are not included in GPA calculations, but must be included in the same 67 percent cumulative completion rate as other courses.

Grade Point Average - Students must meet the University's policy on academic standing, grades, and grade point average as defined by the Registrar. Accepted transfer hours are not included in the cumulative GPA calculations.

Notification of Financial Aid Warning or Termination

The Office of Student Financial Aid will post on CougarNet the status of any student who is placed on financial aid Warning or financial aid Termination. It is the responsibility of the student to monitor current standing on CougarNet.

The Office of Student Financial Aid will send a Warning email to any student who is put on financial aid Warning or a Termination letter to any student who is no longer eligible for financial aid. It is the responsibility of the student to maintain current addresses with the Office of the Registrar.

Reinstatement

A student may have their financial aid eligibility reinstated by the appropriate process listed below:

1. Reinstatement through Appeal of Termination Related to Satisfactory Academic Progress - A student who does not meet the undergraduate or graduate overall completion rates and GPA specified in this policy will be put on Warning for one term following identification of unsatisfactory progress. If, at the end of the Warning term, satisfactory academic progress has not been reached, the student is terminated from receiving financial aid.

The student may appeal termination of financial aid eligibility on the basis of: personal injury or illness, the death of a relative, or other special circumstance (see Appeal form). The appeal must be in writing on the appropriate form and be accompanied by a graduation plan prepared by the student's academic advisor, a letter from the student explaining the circumstances beyond the student's control that caused the semesters of unsatisfactory performance, and third party supporting documentation.

Once all of the documentation has been received, the appeal is forwarded to the Financial Aid Appeal Committee for review. The committee is comprised of at least three faculty and/or staff members familiar with SIUE academic policy. The committee considers appeals in a timely manner and reviews only the written record. The Director of Student Financial Aid may also review appeals without the committee on occasion.

If the appeal is approved, financial aid is reinstated for one semester on a probationary basis. If academic plan requirements are met during the probationary term, the student may remain on probation until the cumulative 67 percent completion rate and 2.00 GPA have been achieved, at which time the student would be back in good standing.

If the appeal is denied, a student may request a review of the decision. This request must include additional information/documentation that was not included in the original appeal. If the request is denied by the committee, the student may request a second review of denied appeal to be evaluated by the Vice Chancellor for Enrollment Management. A decision rendered by the Vice Chancellor for Enrollment Management is considered final.

2. Reinstatement through Appeal of Termination related to Maximum TimeFrame - If a student reaches the 150 percent maximum timeframe but has not received a degree, the student must appeal on the appropriate form and provide a transcript and graduation plan that have been completed by the academic advisor. The advisor will mark classes the student has completed that are not applicable to the current major. The applicable hours are recalculated, and if the new total is below the 150 percent maximum hours allowed by Federal law, the student will be allowed to receive financial aid on probation for one or more specified terms until the degree is completed.

3. Reinstatement of a Student with Grade Changes - The student must notify the Office of Student Financial Aid of any grade changes, including grades posted for incomplete courses. The student may regain eligibility should these changes result in satisfactory progress.

4. Reinstatement by Achievement - Students who have been suspended from financial aid (including students who have lost financial aid eligibility due to academic suspension) may seek reinstatement by achieving, without the benefit of the aid from which the student has been suspended, both the cumulative 67 percent completion rate and cumulative 2.00 GPA required. Reinstatement may be requested for the term after the minimum

cumulative standards are met.

Additional Financial Information

Installment Payment Plan

Offered by the Office of the Bursar, students may choose to pay their tuition, fees, housing and meal plan charges via an installment payment plan, or pay all charges in full by the first payment due date. The University automatically enrolls students in the installment payment plan if tuition, fees, housing and meal plan charges are not paid in full by the first day of class for the semester. The Office of the Bursar charges a fee per semester for use of the Installment Payment Plan. For details about the plan, visit siue.edu/bursar.

Gainful Employment Disclosure

To access the Gainful Employment Disclosure Statement for the gainful employment program at SIUE, go to https://www.siue.edu/financial-aid/scholarships/index.shtml and click on the disclosure links.

General Education

Objectives for General Education and the Baccalaureate Degree

The purpose of baccalaureate education at Southern Illinois University Edwardsville is to provide students with a solid foundation for intellectual development and an ability and desire to make contributions to society. As a public institution, SIUE strives to develop students who are well-informed, effective citizens; who provide leadership in civic and community affairs; who appreciate the arts; who have increased capacity for self-reflection, self-assessment and healthy living; and who will pursue lifelong learning.

The undergraduate curriculum encourages students to see the events of the world in broad perspective and to bring a reasoned approach to the challenges they may face. To achieve these purposes, the University seeks to impart the following abilities and knowledge to its students through their general education and study in their academic majors and minors:

Analytic, Problem-Solving, and Decision-Making Skills — All students will develop skills in information literacy and quantitative literacy, and develop the ability to understand and interpret written and oral texts, and to recognize, develop, evaluate, and defend or attack hypotheses and arguments. These skills are to be developed throughout all undergraduate programs in all courses.

Oral and Written Communication Skills — All students will develop skills in expository, argumentative, and creative writing, and in effective speaking and listening through extensive and regular writing assignments, oral presentations, and participation in discussions.

Foundation in Liberal Arts and Sciences — All students will acquire a solid base of knowledge in liberal arts and sciences and of the contributions of these fields to civilization and to the quality of life. All undergraduate degree programs at SIUE, including professional programs, are rooted in the liberal arts and sciences through the integration of each major program with the general education program.

Value of Diversity — All students will gain an understanding of the traditions that influence individuals and communities in order to develop a respect for and a sensitivity to human diversity. Students will gain a deeper understanding of global interdependence.

Scientific Literacy — All students will have experience in the methods of scientific inquiry in laboratory and field investigation and gain knowledge of scientific and technological developments and their influence on society.

Ethics — All students will understand the nature of value judgments, will have an ability to make reasoned and informed value judgments, and will appreciate the diversity among cultures with respect to mores and traditional standards of conduct.

Preparation in an Academic or Professional Discipline — Students completing the baccalaureate degree will have attained a level of achievement within an academic or professional discipline which will enable them either to begin a career in the discipline or to pursue graduate work in that or an appropriately related discipline.

The specific components of the general education program, also referred to as the Lincoln Program, are:

FIRST SEMESTER TRANSITION: All new first-year students are required to take a First Semester Transition course that helps students transition to college, with a specific focus on preparation for college level academic work and becoming an engaged member of the SIUE community.

FOUNDATIONS: All students are required to take five (5) Foundations courses which develop competencies in written and oral communication, logic, and quantitative literacy that form the bases of information literacy and scientific literacy;

BREADTH AREAS: All students are required to take six (6) Breadth courses (one from each of the following areas) which provide the opportunity to explore the breadth of human knowledge by

introducing students to the principles, substance, and methodology of disciplines beyond their major. These courses are distributed across six Breadth Areas: Fine and Performing Arts, Humanities, Information and Communication in Society, Life Sciences, Physical Sciences, and Social Sciences;

INTERDISCIPLINARY STUDIES: All students are required to take one (1) minimum 3-credit hour course that carries the Interdisciplinary Studies designation to foster awareness of the interrelationships among branches of human knowledge;

EXPERIENCES:

- **Laboratory Experience:** All students are required to take a laboratory course in order to develop scientific literacy that helps shape informed citizens;
- **U.S. Race, Gender, and Equity Experience:** All students are required to take a course or complete an approved project or activity that introduce students to the ideas, history, values, and/or creative expressions of diverse groups within the United States, as well as issues of inequality, inequity, and social change among various groups, with an aim for developing racial, gender, and cultural literacy, an appreciation for differences as well as commonalities among people, a critical awareness of how structural and cultural forces have shaped inequality;
- **Global Cultures, Race, and Equity Education Experience:** All students are required to take a course or complete an approved project or activity that will introduce students to societal and cultural characteristics, issues, or levels of organization as exhibited by societies and cultures in countries other than in the United States, and must focus on diversity and include issues of inclusion, inequality, inequity, and social change;
- **Health Experience:** All students are required to participate in a health-related course or complete an approved project or activity in order to promote improved health and well-being.

SENIOR ASSIGNMENT: All seniors are required to complete the Senior Assignment that demonstrates breadth commensurate with SIUE's general education expectations and proficiency in the academic major. The Senior Assignment represents the culmination of the entire undergraduate experience at SIUE and should integrate the best aspects of each student's baccalaureate education. Each academic major has its own Senior Assignment, so the specifics of the requirement vary, but they share a challenge to each SIUE student to achieve individual academic excellence. This is what distinguishes baccalaureate education at SIUE.

DIVERSITY OF KNOWLEDGE: To accommodate the diversity of knowledge, the diverse interests of students, and the needs of an increasingly technical society, the University offers the Bachelor of Arts (BA), the Bachelor of Science (BS), the Bachelor of Liberal Studies (BLS) and professional baccalaureate degrees. The Lincoln Program supports baccalaureate education at SIUE by playing a foundational role in imparting the abilities and knowledge that define the common core of all of these degrees. University-wide criteria mandate the manner in which departments and programs inflect the broad content of these respective degrees in order to assure that they are equivalent and meaningfully differentiated degrees.

Students must satisfy all general education components to obtain a baccalaureate degree from Southern Illinois University Edwardsville.

Summary of University-wide Baccalaureate Requirements

The total number of General Education courses required of students depends on the number of courses that a student takes that satisfy multiple requirements. The Lincoln Program can be completed with between 17 and 18 courses. The courses used to satisfy general education requirements may also apply toward fulfillment of major requirements. With appropriate selection of courses, students may complete most degree programs within the University's minimum of 120 credit hours.

First Semester Transition 1 hour

Foundation 15 hours

- ENG 101-FW1/IAI C1 900, Minimum grade of C, Completed within first 30 hours
- ENG 102-FW2/IAI C1 901R, Minimum grade of C,

Completed within first 45 hours
- ACS 101-FSPC/IAI C2 900 or ACS 103-FSPC, Completed within first 30 hours
- RA 101-FRA/IAI H4 906, Completed in the 2nd year of attendance
- QR 101*-FQR/IAI M1 901/Proficiency, Completed within first 60 Hours

*MATH 145/150 or higher with a minimum grade of C may be substituted

Breadth 18 hours

Take 3 credit hours from each area - not more than 6 credit hours from the same department.

- Fine & Performing Arts — BFPA*/IAI F, HF
- Humanities — BHUM*/IAI H
- Info & Communication in Society — BICS*/IAI M1 902
- Life Science — BLS*/IAI L
- Physical Science — BPS*/IAI P
- Social Science — BSS*/IAI S

Interdisciplinary Studies

- Course that carries IS designation

-Requires completion of Foundations courses

-Is not waived with completion of transfer associate degree or IAI-GECC

Experiences

- Laboratory — EL*/IAI xxxL
- U.S. Race, Gender, and Equity — ERGU* (Course/Project/Activity)
- Global Cultures, Race, and Equity Education — EREG* (Course/Project/Activity)
- Health — EH* (Course/Project/ Activity)

-If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute

Diversity of Knowledge 24 hours

- Bachelor of Arts degree requires completion of 8 courses in fine & performing arts (BFPA* or FPA*) and humanities (BHUM* or HUM*) including two semesters of the same foreign language (FL*)
- Bachelor of Science degree requires completion of 8 courses in life (BLS* or LS*), physical (BPS* or PS*) or social science (BSS* or SS*) including 2 labs (EL*)
- Bachelor of Liberal Studies and professional baccalaureate degrees require completion of either 8 courses in fine & performing arts (BFPA* or FPA*) and humanities (BHUM* or HUM*) including two semesters of the same foreign language (FL*) or 8 courses in life (BLS* or LS*), physical (BPS* or PS*) or social science (BSS* or SS*) including 2 labs (EL*)

-Is not waived with completion of transfer associate degree or IAI-GECC

Senior Assignment

- Requirement established by individual departments or programs.

-Completed senior year

-Is not waived with completion of transfer associate degree or IAI GECC

Notes

- No more than five courses earned through proficiency may be applied toward general education requirements.
- Courses used to fulfill Experience requirements may be used to satisfy other requirements as appropriate. If a course satisfies both the EREG and ERGU requirements, students will be given credit for one of the attributes and need to take a course that fulfills the other attribute.
- Students failing to complete noted courses within required timeframes will not be eligible to continue without enrollment in required course(s) or appropriate authorization.
- Breadth courses may also be applied toward fulfillment of the Diversity of Knowledge requirement as appropriate

*Approved courses are identified in the course descriptions section with this attribute. Lists of approved courses may also be obtained by searching courses by course attribute in the online catalog at siue.edu/academics/undergraduate/courses/.

Proficiency examinations for General Education Credit

Proficiency examinations are available for all Foundations courses in the general education curriculum. Students who successfully pass a proficiency examination for a course have fulfilled that Foundations requirement. Credit hours earned from successful completion of a proficiency examination in a Foundations course will contribute toward general education hours earned toward the baccalaureate degree.

Proficiency examinations may also be available for the Breadth, Cultures (ERGU and EREG), and Interdisciplinary Studies requirements in the general education curriculum. Some of these tests are administered by the Testing Services or by individual departments. Students interested in taking a proficiency examination should contact Testing Services in the Student Success Center, Room 1246 (618-650-1246) or the department involved. A list of proficiency examinations offered to students may be found at siue.edu/testing/tests/proficiency-tests.shtml. Students who pass an SIUE departmentally administered proficiency examination, or receive a departmentally recognized AP score, may receive credit for the Breadth course and Cultures course as well as credit that counts toward the 120 hours required for graduation.

Students are allowed to meet a total of five general education requirements through course equivalency credit via proficiency examinations. This equivalency credit is allowed in the Foundations, Breadth, Cultures and Interdisciplinary Studies areas, or any combination of these.

Re-entering Students

Former students who have not attended SIUE for three or more terms, including summer, must apply for readmission. Re-entering students who have not attended in seven years are advised that they may not graduate under the general education major or minor requirements published in a catalog more than seven years old without the written permission of the dean of the school/college in which the student’s major is housed. Such written permission shall be submitted to the Office of the Registrar with the application for graduation. Academic work for students who re-enter the University after a seven-year period will be re-evaluated according to the current catalog. Once students have been readmitted to the University, they will be instructed to make an appointment with an advisor to determine the most efficient means of completing degree requirements.

Transferring Students

Transfer students may satisfy SIUE‘s General Education Program by:

1.) (a) satisfying the Illinois Articulation Initiative (IAI) General Education Core Curriculum or completing an Associate of Arts, Associate of Science, or Associate of Science and Arts from an Illinois public institution, and;

(b) completing a course with Interdisciplinary Studies designation and the Diversity of Knowledge requirement

OR

2.) fulfilling all requirements of SIUE's Lincoln Program.

Note: Students must satisfy the Written Expression Foundations requirements (English 101 and 102) with grades of C or better. Finally, no credit will be accepted for remedial or developmental courses or for any coursework completed at unaccredited institutions.

Transcript Evaluations

Appropriately qualified personnel at the University will perform an evaluation of transfer credit to determine completion of the General Education requirements of the University. Students are entitled to a full explanation of the evaluations they receive.

Transcript evaluations will be completed for course work earned at regionally accredited institutions. A course-by-course evaluation of transfer credit determining equivalency and/or general education requirements is provided to all first-year/transfer students upon admission, and to returning/continuing students upon receipt of official transcripts. Students seeking a second bachelor’s degree do not receive an evaluation.

Questions relating to the transfer credit evaluation should be directed to the Transfer Center, Rendleman Hall, room 1218, (618) 650-2133, or email at transfercredit@siue.edu. Questions relating to how a course may transfer to SIUE should be directed to an admission counselor, Rendleman Hall, room 2120 (618) 650-3705.

Course Numbering and Attribute System

The course numbering and attribute system identifies those courses appropriate for meeting the Breadth, Interdisciplinary Studies and Experience requirements. The Foundations requirements are each met by discrete courses. It also helps students select courses appropriate for their class level.

Attribute — Requirement

- BFPA — Breadth Fine and Performing Arts requirement
- BHUM — Breadth Humanities requirement
- BICS — Breadth Information and Communication in Society requirement
- BLS — Breadth Life Sciences requirement
- BPS — Breadth Physical Sciences requirement
- BSS — Breadth Social Sciences requirement
- IS — Interdisciplinary Studies requirement
- EL — Experience Laboratory requirement
- ERGU — Experience U.S. Race, Gender, and Equity requirement
- EREG — Experience Global Cultures, Race, and Equity Education requirement
- EH — Experience Health requirement

In general, the first digit of a course number identifies the class level (freshmen, sophomore, junior, or senior) appropriate for enrollment in the course. The following is a guide for the SIUE course numbering system:

000-099: Courses that do not carry credit toward graduation.

100-200: Courses most appropriate for freshmen and sophomores. Courses typically assume little or no previous exposure to specific subject matter beyond the secondary-level; focus on incorporating and recalling basic information and developing basic understanding of connection between terms and concepts; begin to develop the capacity to integrate skills, terms and concepts throughout the course and from other introductory courses.

300-400: Courses most appropriate for juniors and seniors. Courses typically assume familiarity with basic terms, concepts, techniques and approaches of the discipline; focus on development of specialized terms, concepts, techniques and approaches with more narrowly defined topics; develop students‘ capacities to integrate across multiple topics to be able to recognize deeper, possibly predictive patterns; students willing to create products with limited guidance from instructor and to pose novel questions that may not have ready answers.

500: Graduate courses not accepted for application to a Bachelor's degree unless admitted to an approved Accelerated program.

Advanced Studies

The John Martinson Honors Program

The John Martinson Honors Program at SIUE provides a distinctive liberal arts college experience within a comprehensive university setting. Its specialized interdisciplinary curriculum deviates significantly from the traditional general education model, offering discussion-oriented seminars taught by dedicated faculty from various disciplines. The program prioritizes the development of crucial capacities such as integrating knowledge, fostering creativity, and encouraging self-reflection. This is achieved through seminar-style classes employing participatory pedagogy, challenging students to apply their knowledge to real-world issues and confront uncomfortable situations.

In addition to academic excellence, honors at SIUE fosters a supportive community that encourages risk-taking, learning from failures, and cultivating active and engaged citizenship. It aspires to mold not only innovators and leaders in various professions but also individuals with a lifelong curiosity, humility, and respect for differences. Honors students, recognized as academic leaders on campus, emulate the enduring value of liberal education in all their courses.

The John Martinson Honors Program is named in honor of SIUE alumnus John Martinson (MBA, 1975), in recognition of his transformative gift to enhance and expand honors education at SIUE.

General Education Requirements for Honors Students

Like all students, honors students are required to complete a general education curriculum to graduate. The honors curriculum replaces the University's traditional Lincoln Program curriculum with a dedicated set of honors course requirements. These requirements fall into four categories: the Honors Seminars, Proseminars, Additional Curricular Requirements, and the Co-Curricular Requirement.

Honors Seminars (15 credit hours)

An honors seminar class is a small-group, interactive academic course that encourages active student participation, discussion, and critical thinking. Unlike larger lecture-style classes, seminars typically involve a limited number of students facilitating more personalized and engaging interactions.

- HONS 120: Questions and the Spirit of Inquiry (3)
- HONS 121: Honors Rhetoric (3)
- HONS 250: Patterns in Human Endeavors (3)
- HONS 320A: Interdisciplinary Problems in Society and Culture (3)
- HONS 320B: Interdisciplinary Problems in Science and Technology (3)

Honors Pro-Seminars (4 credit hours)

The honors proseminars are also discussion-intensive courses. Their purposes is to focusing intensely on one subject, one idea, or even one reading. This type of class is limited to 8 weeks, and typically features unique assignments, project-based learning, and student facilitation.

- HONS 100: On Education (1)
- HONS 200: Globalization (1)
- HONS 300: Special Topics (1)
- HONS 499: Honors Capstone on Civic Life (1)

Additional Requirements (6 credit hours)

These requirements may be satisfied through major or minor degree requirements. These are the only courses within the honors curriculum that may be satisfied by credits earned prior to enrollment in college.

- A lab course (EL) in the physical sciences (BPS, PS) or life sciences (BLS, LS)
- A mathematics, statistics, or quantitative reasoning course.

Co-Curricular Requirement

Honors students are required to complete 50 hours of service learning activities before graduation. Service hours are offered both through campus partners and unique opportunities provided by the John Martinson Honors Program. Service activities and reporting guidelines are available on the JMHP homepage.

Honors Curriculum for Continuing and Transfer Students

The John Martinson Honors Program encourages continuing SIUE students or transfer students to apply for admission to the program. The application process for continuing and transfer students is available on the JMHP website. Upon review of the application, students may be admitted into the program.

Continuing or transfer students are generally exempt from HONS 120 and HONS 121, as long as they have completed an equivalent honors or English composition course. Depending on the number of credit hours earned, other honors courses may be exempted as well. Upon admission, each student will be presented with their anticipated curricular requirements prior to confirming participation in the program.

All continuing and transfer students are required to meet the outline of courses provided to them, as well as the Additional Curricular Requirements and Co-Curricular Requirement in order to graduate.

Program Retention & Graduation

Honors students must maintain a 3.2 cumulative grade point average (GPA) to remain in good standing with the John Martinson Honors Program. A 3.2 GPA is required to graduate with the designation of participation in honors. If a student's GPA falls below that standard, they will be placed on program probation.

While on program probation, if a student fails to attain a 3.2 GPA for any term of attendance, they will be removed from the program, as outlined in Policy 1R2.

Any student below the GPA requirement receives written notification to their SIUE email, and opportunities for consultation with Honors Office staff to support their academic recovery.

Community-Oriented Digital Engagement Scholars (CODES)

Community-Oriented Digital Engagement Scholars (CODES) is a pathway for motivated students in all fields and majors to use their general education credits to work alongside community organizations to study and address the world's most pressing problems.

CODES students take a set of core courses emphasizing transdisciplinary research and problem-solving methods together in their cohort. They meet each semester in research-team courses facilitated by their mentoring instructor and a community organization to address major social problems in our region such as food insecurity or the inequitable effects of climate change. Students take their education beyond the walls of the classroom and into the St. Louis region.

The research teams analyze, visualize, and share their work with the broader public using data mining, mapping, storytelling, networking, and cultural analytics. In this way, the pathway gives students firsthand experience applying twenty-first century skills including collaboration, systems thinking, and innovative approaches to digital communication. In this community-based program, students learn the important skill of negotiating the civic responsibilities they bear toward others in both physical and digital spaces.

General Education Requirements for CODES Students

CODES students are required to complete a general education program that combines the requirements outlined in University policy 1D1 – University-wide Criteria for the Bachelor of Arts (B.A.), Bachelor of Science (B.S.), and Professional Baccalaureate Degrees – with the following 22 credit-hour curriculum.

CODES Summer Seminars

Students participate in two-day, non-credit bearing research seminars in the summers preceding each year of the pathway where they will choose community partners, learn from peer mentoring, and share their research outcomes.

CODES Research Teams (9 hours)
Students meet in intensive research teams comprised of eight to ten students, a faculty mentor, and a community partner. Teams focus on a "wicked" or seemingly unsolvable problem such as nutrition and food access, the challenges of intergenerational communication, and poverty's manifestations across rural and urban environments. The level of difficulty the research teams undertake grows with students, and the curriculum is intentionally organic, transforming each year based on student and faculty interest and community need. Students and faculty work together to structure a series of readings from diverse fields such as history, literature, anthropology, biology, and sociology that supports their work, and study their problem using critical thinking, writing, and qualitative research methods. In final projects each semester, research teams apply a variety of digital methods to communicate the results of their research.

CODES Core (13 credit-hours)
CODES students are required to take CODE121 and CODE123 during their first year. These courses are designed to help student research, map, conceptualize, and communicate about global problems and their impact on our region. Students will learn how to write and speak using interdisciplinary, multi-modal forms of communication. In their second year of instruction, students will take CODE220, in which students will learn how scientific modes of inquiry can apply to their problem. Their work culminates in CODE320, a summer research experience before the third year, in which students complete a public-facing digital collaborative project to explain their problem and propose solutions, incorporating creative non-fiction, graphic design, and data visualization. In their final year, students enroll in CODE420 to reflect on their work and prepare for careers and continuing studies.

Completion Plan

Year	Summer	Fall	Spring	Outcome
Year 1	Two-Day Orientation	CODE 120: Research Team I (3 hours) CODE 121: Transdisciplinary Communication (3 hours)	CODE 122: Research Team II (3 hours) CODE 123: Research and Systems Thinking (3 hours)	Multimodal essays, digital storytelling, and public speeches communicating the problem
Year 2	Two-Day Mentorship of New Students	CODE 220: Community Engagement with Science (3 hours)	CODE 221: Research Team III (3 hours)	Digital problem visualization integrating previous research
Year 3	CODE 320: Digital Collaborations (3 hours)			Culminating digital project
Year 4		CODE 420: CODES Capstone (1 hour)		Resumes, graduate school application materials, portfolios

Additional Requirements
In addition to the course requirements listed above, students must satisfy the following requirements through major, minor, or additional coursework:

- a lab course in the physical sciences
- a mathematics, statistics, or quantitative reasoning course

Articulation

The Illinois Board of Higher Education mandates 37 hours of course work across the bachelor's degree that integrates "communication, mathematics, social and behavioral sciences, life and physical sciences (to include a laboratory component), and humanities and fine arts." In the CODES pathway, students complete these requirements using transdisciplinary problem solving; diversity of knowledge is integrated within each course. For this reason, students are considered to have finished their general education coursework holistically upon completion of the pathway. If a student leaves the pathway early, the articulation plan demonstrates how the courses can count toward general education requirements in the Lincoln plan.

Term & Year	Courses	Articulation
Fall Year 1	CODE 120: Research Team I	Humanities Breadth Global Cultures Experience
	CODE 121: Transdisciplinary Communication	Foundations Written Communication I Foundations Oral Communication First Semester Transition
Spring Year 1	CODE 122: Research Team II	Foundations Reasoning & Argumentation
	CODE 123: Research and Systems Thinking	Foundations Written Communication II Social Science Breadth
Fall Year 2	CODE 220: Community Engagement with Science	Life Sciences Breadth
Spring Year 2	CODE 221: Research Team III	US Cultures Experience Info and Communication in Society Breadth
Summer Year 3	CODE 320: Digital Collaborations	Interdisciplinary Studies Fine and Performing Arts Breadth

Students Transferring from Lewis and Clark Community College

In addition to the students enrolled in the CODES Pathway at SIUE, 25 students and Lewis and Clark Community College's Honors Program will be

engaged in the curriculum, participating in summer seminar, and collaborating with SIUE students. They will fully enter SIUE's version of the program in the summer prior to their third year of study when they enroll in CODE320 on SIUE's campus.

Late Entry to Pathway

Although the CODES Pathway use a cohort model with a chronological completion process, students may request acceptance after their first semester, and will be asked to complete an orientation with CODES faculty and students prior to entry if accepted.

Undergraduate Research and Creative Activities Program

The Undergraduate Research and Creative Activities (URCA) Program at SIUE encourages, supports, and enables students to participate in research and creative activities at the undergraduate level. An undergraduate research or creative activity experience enhances the quality of the baccalaureate experience by giving students opportunities to engage in scholarship, to interact with faculty, and to connect more fully in the educational process of discovering and creating. The URCA Program recognizes that student talents can be uncovered in ways that do not always appear through the usual format of classroom instruction and testing. In cooperation with the academic departments at SIUE, the URCA Program recruits eligible students as URCA Associates or Assistants. URCA Associates work one-on-one with a faculty mentor to lead their own research projects or creative activities over the course of an academic year. This is an extremely competitive program, and only a maximum of 10 Associates will be selected per academic year. Associates are the principal investigators in their projects. The process involves several stages:

- submitting a proposal and budget for approval,
- being accepted into the program,
- doing the research or creative activity during the semesters specified in the proposal,
- participating in periodic URCA events,
- preparing a final report, and
- presenting the results at the URCA Symposium.

URCA provides budgetary support for conducting the scholarly activity as well as advisory support during preparation of the proposals and reports. The Office of Academic Innovation and Effectiveness, in which URCA is housed, assists students during their work by providing prompt administrative support as needed. Academic departments and supervising faculty mentor(s) provide all necessary research guidance and facilities. Academic departments also arrange the purchase of commodities and services required for the projects, using the project budget funds provided by the Provost's Office. In addition, URCA Associates receive a monetary award in two installments — one per each semester of participation. Full-time undergraduate students who have been accepted as a major in any of the disciplines at SIUE and who maintain a grade point average of 3.0 or better are eligible to compete for URCA Associate positions. Students must have junior or senior standing at the time they conduct their URCA Associate work and may use the URCA Associate project to fulfill the Senior Assignment requirement for graduation (with departmental approval). Proposals must be signed and submitted in the prescribed form by the third Friday of March to the Undergraduate Research and Creative Activities Program, Office of Innovation and Effectiveness, Box 1300, SIUE, Edwardsville, IL 62026-1300.

URCA Assistants work approximately nine hours per week on faculty-led research or creative activities over the course of one semester. These positions provide students with an introductory experience in the research or creative activities of a specific field. Up to 80 Assistants per semester will receive a monetary award for their participation, and many students participate each semester without receiving the monetary award. In this program, first interested faculty submit their research or creative activity proposals to the URCA Program coordinator. Faculty who have their proposals approved are then eligible to mentor URCA Assistants. After the faculty proposals are selected, students apply online for the Assistant positions through the URCA Web site (siue.edu/urca). This typically happens in the middle of the semester before the work will be completed. Students accepted as Assistants must meet the

learning outcomes set forth by the faculty member who is principal investigator on the project. Some Assistant positions are available for course credit, but no tuition waiver is associated with the URCA program. Full-time undergraduate students at SIUE who have a minimum GPA of 2.3 are eligible to apply for URCA Assistant positions, and students may apply for Assistant positions at any time during their SIUE careers (freshman through senior years).

More information and application/proposal forms are available on the URCA website: siue.edu/urca.

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More information and application/proposal forms are available on the URCA website: siue.edu/urca.

Academic Policies and Requirements

Classification of Students

Students seeking their first bachelor's degree are classified according to the number of credit hours they have earned.

Class, Semester Hours Earned

- First-year, 0-29 hours
- Sophomore, 30-59 hours
- Junior, 60-89 hours
- Senior, 90 or more

One semester hour represents the work completed in a lecture course that students attend for 50 minutes each week for 15 weeks; laboratory courses may require more than 50 minutes each week for one semester hour. One quarter hour of credit is equivalent to two-thirds of one semester hour; one semester hour equals one and one-half quarter hours.

Classifications not determined by the number of credit hours, are non-degree, senior with degree, and visiting student.

Class Attendance

Upon registration, students accept responsibility for attending classes and completing course work or officially withdrawing from classes in which they are not in attendance. It is the student's responsibility to ascertain the policies of instructors with regard to absence from class, and to make arrangements satisfactory to instructors with regard to incomplete course work. Although absence from class does not constitute dropping a class or withdrawing from the University, failure to actively participate may result in a reduction or removal of financial aid. It is particularly important to attend the first meeting of an on-campus class, or login to the first session of an online class. Failure to attend the first session could result in your place being assigned to another student. However, failure to attend the first session of a course does not necessarily mean that you have been withdrawn from it. If you wish to withdraw from a course, and possibly qualify for a reduction of tuition and fees, you must formally withdraw from the course at the Service Center or send an email from your SIUE email account to servicecenter@siue.edu to request to be dropped from the class. Students are financially and academically responsible for all classes in which they are enrolled regardless of their attendance; however, eligibility to retain federal, state and institutional financial aid will be dependent on institutional record of continued attendance or active participation in class.

Academic Load

The normal academic load for students is 15 hours. The maximum is 19 hours. Students with a 3.25 grade point average or above for the preceding term may be permitted to take more than 19 hours in fall and spring terms or 12 hours in summer term with the approval of the dean or director of their academic unit. A normal load is 6 hours for summer term; the maximum summer load is 12. Students employed full-time should not register for more than six hours.

Students who carry 12 or more credit hours in fall or spring semesters or 6 credit hours in summer are considered full-time students. However, a student attending the University under scholarships, loans, or other types of financial aid requiring full-time enrollment should check to make certain this meets the requirements of the specific financial aid program. For enrollment certification purposes, University-sponsored cooperative education participation is considered equivalent to full time enrollment. This requires formal enrollment in an approved cooperative education course through the Career Development Center.

Undergraduate students are expected to spend at least two hours in preparation for every hour in class.

Declaration of Major or Minor

Students who are still deciding upon a major after being accepted to the University will be considered Exploratory students. Students will work with a first-year academic advisor to determine the proper courses and other actions to effectively learn about and explore career and major options. Once students have made a determination of the Major and/or Minor they choose to study, they must discuss

that decision with their academic advisor. The academic advisor will complete a Request for Declaration form which will notify the academic department and corresponding academic advising unit of a student's intended path of study.

If students choose to change their major, they will communicate that desire with their current academic advisor.

If a student wishes to add a second major or a minor, that request will be submitted by the student's academic advisor. Students may request a minor when applying for a major, or later, by submitting a request to the major department.

Double Majors

Students may receive a single degree with a major in more than one discipline. A double major may provide richer preparation for graduate study or for a vocation. Those with a double major will have a first major, usually the one for which they first applied, and a second major. Students must satisfy all requirements for both majors, although some requirements need be accomplished only once. For example, general education requirements need to be satisfied only once. If both majors require a foreign language, only one foreign language is needed. Some majors require a minor concentration; students with a second major would satisfy the minor requirement. A double major is not the same as completing two degree programs. Requirements for a second baccalaureate degree appear in the graduation section of this catalog.

Transfer Credit and Credit Earned via Examination

Students who plan to take one or more classes from another institution and apply that credit to an SIUE degree should obtain prior approval for the course from the appropriate academic advisor to ensure the course is acceptable for program credit. This is especially important for students declared into a major.

Reverse Transfer of Credit for an Associate Degree

Students who transfer to SIUE who have earned at least 15 hours of transferable academic credit at an Illinois community college and completed a cumulative total of at least 60 credit hours of transferable credit at SIUE and previously attended postsecondary institutions may request a reverse transfer of credit from SIUE to the community college previously attended for potential awarding of an associate degree from the community college. Information will be sent from the Office of the Registrar, Transfer Center to those who are potentially eligible to participate. Interested students will be given the opportunity to opt-in by completing an authorization form releasing a transcript to the selected, previously attended, community college. SIUE will then send a copy of the student's transcript to the specified community college for review. The community college will contact the student regarding the potential awarding of an associate degree. Any questions related to reverse transfer of credit should be directed to the Transfer Center, transfercredit@siue.edu or 618.650.2133.

Credit Earned by Examination, Extension and Correspondence

While the University does not maintain a correspondence school or extension courses, such courses taken from institutions accredited by appropriate regional accreditation associations are regularly accepted if the grade earned is D or above. A maximum of 48 semester hours may be completed through correspondence and extension courses; of this total, not more than 15 semester hours may be taken through correspondence.

State Seal of Biliteracy Credit

Southern Illinois University Edwardsville accepts the State Seal of Biliteracy as equivalent to 101-102 in language courses offered at the University, namely eight (8) credit hours. When the seal is granted in a language not offered at Southern Illinois University Edwardsville, eight (8) credit hours in a lower division foreign language course (FL 101-102) will be awarded. In all cases, students must request course credit for their seal within three academic years after graduating from high school. To request course credit for the State Seal of Biliteracy, please contact the Transfer Center.

Proficiency Examinations

Students may earn course credits by demonstrating proficiency in certain subjects. Testing Services (Student Success Center 1246) maintains a list of those courses for which out-of-class proficiency examinations are regularly available and provides information pertaining to those exams at siue.edu/testing/tests/proficiency-tests.

Students wishing to take a proficiency examination in any course (general education courses as well as others) should pick up a proficiency exam form at Testing Services. In many cases, course guides and reading lists are available from either Testing Services or the academic department for which the exam is given. For information regarding general education credit for proficiency examinations, please refer to the section titled Proficiency Examinations for General Education Credit. Students may take any available proficiency examinations subject to the approval of the department and the following limitations:

- Proficiency credit may not be awarded for a course in which a grade has been previously awarded. This includes withdrawal grades of W, WR, WP, or WF;
- A proficiency examination for a specific course may not be taken more than once.

Departments will determine grades on proficiency examinations based on either an A, B, C, no credit scoring option, or a pass/no credit scoring option. After a student has completed a proficiency examination, credits and grade points are granted as follows:

For a grade of A, B, or C on a proficiency examination, the academic record shows the name of the course, hours of credit granted, grade earned, and a notation “out-of-class proficiency” or “in-class proficiency.” The grade earned counts in the grade point average.

For a pass score, credit is given without a calculated grade. The academic record shows the name of the course, hours of credit granted, a grade of “P,” and a notation of “out-of-class proficiency” or “in-class proficiency.” The grade earned does not count in the grade point average.

For a grade of D or F on a proficiency examination, no credit is awarded. The academic record shows nothing regarding the proficiency examination. However, the proficiency examination grade report form is retained in the student’s file for reference.

Students have the option of enrolling in the course for which they have taken the proficiency examination if they are not satisfied with their proficiency examination grades. In-class proficiency examinations are administered early in the term. Examinations are graded in sufficient time to give those who pass the test an opportunity to drop the course and add another course as a replacement on their schedule. Students who pass the test will receive credit immediately.

Advanced Placement Program of the College Board

High school students who wish to seek advanced placement and college credit should apply through the Advanced Placement Program of the College Board, P.O. Box 6671, Princeton, New Jersey 08540-6671. Advanced classes, which qualify for this purpose, are offered in many high schools. A national examination measures the achievement of students to determine at what point they should begin college study of that subject. Scores are assigned as follows: 5, extremely well qualified; 4, well qualified; 3, qualified; 2, possibly qualified; and 1, no recommendation.

Courses for which earned hours credit may be awarded through advanced placement are the following:

Exam Title	Exam Score	SIUE Equivalent	SIUE Course Attributes	Awarded Hours
2-D Art and Design	3, 4, 5 without portfolio review*	ART 1XX - Art Elective	N/A	3
2-D Art and Design	3, 4, 5 and favorable portfolio review*	ART 112B - Basic Studio: Visual Organization I	N/A	3

Exam Title	Exam Score	SIUE Equivalent	SIUE Course Attributes	Awarded Hours
3-D Art and Design	3, 4, 5 and favorable portfolio review*	ART 112D - Basic Studio: Visual Organization II	N/A	3
African American Studies	3, 4, 5	HIST 130A - History of Black America: to 1865 OR HIST 130B - History of Black America: 1865 to present	BSS, EL, ERGU	3
Art History	3, 4, 5	ART 111 - Introduction to Art	BFPA	3
Biology	3, 4, 5	BIOL 111 - Contemporary Biology	BLS, IALS	3
Calculus AB	3, 4, 5	MATH 150 - Calculus I	BPS, IAM	5
Calculus BC	3, 4, 5	MATH 150 - Calculus I AND MATH 152 - Calculus II	BPS (150 & 152), IAM	10
Calculus BC (with Calculus AB Subscore)	1, 2 (plus Calculus AB score of 3)	MATH 150 - Calculus I	BPS	5
Chemistry	5	CHEM 121A/125A - General Chemistry AND CHEM 121B/125B- General Chemistry	BPS (121A, 121B, 125A, 125B) EL (125A, 125B), IAPS, ICHM	10
Chemistry	4**	CHEM 121A - General Chemistry AND CHEM 121B - General Chemistry	BPS (121A, 121B), IAPS, ICHM	8
Chemistry	3**	CHEM 121A - General Chemistry	BPS, IAPS, ICHM	4
Chinese Language and Culture	5	CHIN 101 - Elementary Chinese I, CHIN 102 - Elementary Chinese II, CHIN 201 - Intermediate Chinese I AND CHIN 202 - Intermediate Chinese II	BICS, FL, HUM (101, 102, 201, 202) EREG (101, 102)	16
Chinese Language and Culture	4	CHIN 101 - Elementary Chinese I AND CHIN 102 - Elementary Chinese II	BICS, FL, HUM (101, 102) EREG (101, 102)	8
Chinese Language and Culture	3	CHIN 101 - Elementary Chinese I	BICS, FL, HUM, EREG	4
Comparative Government and Politics	3, 4, 5	POLS XXX - Political Science Elective	BSS	3
Computer Science A	4, 5	CS 140 - Introduction to Computing I	ICS	3
Computer Science A	3	CS 140 - Introduction to Computing I	ICS	3
Computer Science Principles	3, 4, 5	CS 111 - Concepts of Computer Science	BICS	3
Drawing	3, 4, 5 without portfolio review*	ART 1XX - Art Elective	N/A	3
Drawing	3, 4, 5 and favorable portfolio review*	ART 112A - Basic Studio: Drawing I	N/A	3
English Language & Comp	3, 4, 5	ENG 101 - English Composition	FW1	3
English Literature & Comp	3, 4, 5	ENG 111 - Introduction to Literature	BHUM	3
Environmental Science	4, 5	ENSC 220 - Principles of Environmental Science	BPS	3
Environmental Science	3	ENSC 111 - Survey of Environmental Sciences and Sustainability	BPS	3
European History	3, 4, 5	HIST 111A - History of Western Civ I: Prehist to 500AD OR HIST 111B History of Western Civ II: 500 to 1715	BSS, EL, EREG	3
French Language and Culture	5	FR 101 - Elementary French I, FR 102 - Elementary French II, FR 201 - Intermediate French I AND FR 202 - Intermediate French II	BICS, FL, HUM (101, 102, 201, 202) EREG (101, 102)	16
French Language and Culture	4	FR 101 - Elementary French I AND FR 102 - Elementary French II	BICS, FL, HUM (101, 102) EREG (101, 102)	8
French Language and Culture	3	FR 101 - Elementary French I	BICS, FL, HUM, EREG	4
German Language and Culture	5	GER 101 - Elementary German I, GER 102 - Elementary German II, GER 201 - Intermediate German I AND GER 202 - Intermediate German II	BICS, FL, HUM (101, 102, 201, 202) EREG (101, 102)	16
German Language and Culture	4	GER 101 - Elementary German I AND GER 102 - Elementary German II	BICS, FL, HUM (101, 102) EREG (101, 102)	8
German Language and Culture	3	GER 101 - Elementary German I	BICS, FL, HUM, EREG	4
Human Geography	4, 5	GEOG 205 - Human Geography	BSS, EL	3
Human Geography	3	GEOG XXXX - Geography Elective	BSS, EL	3
Italian Language and Culture	5	ITAL 101 - Elementary Italian I, ITAL 102 - Elementary Italian II, ITAL 201 - Intermediate Italian I AND ITAL 202 - Intermediate Italian II	BICS, FL, HUM (101, 102, 201, 202) EREG (101, 102)	16
Italian Language and Culture	4	ITAL 101 - Elementary Italian I AND ITAL 102 - Elementary Italian II	BICS, FL, HUM (101, 102) EREG (101, 102)	8

Exam Title	Exam Score	SIUE Equivalent	SIUE Course Attributes	Awarded Hours
Italian Language and Culture	3	ITAL 101 - Elementary Italian I	BICS, FL, HUM, EREG	4
Japanese Language and Culture	5	FL 101 - Elementary Foreign Language I, FL 102 - Elementary Foreign Language II, FL 201 - Intermediate Foreign Language I AND FL 202 - Intermediate Foreign Language II	BICS, FL, HUM (101, 102, 201, 202) EREG (101, 102)	16
Japanese Language and Culture	4	FL 101 - Elementary Foreign Language I AND FL 102 - Elementary Foreign Language II	BICS, FL, HUM (101, 102) EREG (101, 102)	8
Japanese Language and Culture	3	FL 101 - Elementary Foreign Language I	BICS, FL, HUM, EREG	4
Latin	5	LAT 101 - Introduction to Latin I, LAT 102 - Introduction to Latin II, LAT 201 - Intermediate Latin I AND LAT 202 - Intermediate Latin II	BICS, FL, HUM (101, 102, 201, 202)	16
Latin	4	LAT 101 - Introduction to Latin I AND LAT 102 - Introduction to Latin II	BICS, FL, HUM (101, 102)	8
Latin	3	LAT 101 - Introduction to Latin I	BICS, FL, HUM	4
Macroeconomics	3, 4, 5	ECON 111 - Principles of Macroeconomics	BSS	3
Microeconomics	3, 4, 5	ECON 112 - Principles of Microeconomics	BSS	3
Music Theory	3, 4, 5	MUS 111 - Intro to Music History/Literature	BFPA	3
Physics I: Algebra-Based	4, 5	PHYS 131 - College Physics I AND PHYS 131L - College Physics Lab	BPS (131, 131L), EL (131L)	5
Physics I: Algebra-Based	3	PHYS XXXX - Physics Elective	BPS	4
Physics II: Algebra-Based	4, 5	PHYS 132 - College Physics II AND PHYS 132L - College Physics Lab II	BPS (132, 132L), EL (132L)	5
Physics II: Algebra-Based	3	PHYS XXXX - Physics Elective	BPS	4
Physics C: Electricity and Magnetism	4, 5	PHYS 152 - University Physics	BPS	4
Physics C: Electricity and Magnetism	3	PHYS XXXX - Physics Elective	BPS	4
Physics C: Mechanics	4, 5	PHYS 151 - University Physics	BPS	4
Physics C: Mechanics	3	PHYS XXXX - Physics Elective	BPS	4
Precalculus	3, 4, 5	MATH 125 - Precalculus Mathematics with Trigonometry	BPS	3
Psychology	3, 4, 5	PSYC 111 - Foundations of Psychology	BSS, EH	3
Research	3, 4, 5	TRF XXXX - General Elective	N/A	3
Seminar	3, 4, 5	TRF XXXX - General Elective	N/A	3
Spanish Language and Culture	5	SPAN 101 - Elementary Spanish I, SPAN 102 - Elementary Spanish II, SPAN 201 - Intermediate Spanish I AND SPAN 202 - Intermediate Spanish II	BICS, FL, HUM, EREG (101, 102)	16
Spanish Language and Culture	4	SPAN 101 - Elementary Spanish I AND SPAN 102 - Elementary Spanish II	BICS, FL, HUM, EREG	8
Spanish Language and Culture	3	SPAN 101 - Elementary Spanish I	BICS, FL, HUM, EREG	4
Spanish Literature and Culture	4, 5	SPAN 101 - Elementary Spanish I, SPAN 102 - Elementary Spanish II, SPAN 201 - Intermediate Spanish I, SPAN 202 - Intermediate Spanish II, SPAN 301 - Advanced Spanish I AND SPAN 302 - Advanced Spanish - Intro to Literature	BICS, FL, HUM (101, 102, 201, 202, 301, 302) EREG (101, 102)	23
Spanish Literature and Culture	3	SPAN 101 - Elementary Spanish I, SPAN 102 - Elementary Spanish II, SPAN 201 - Intermediate Spanish I, SPAN 202 - Intermediate Spanish II AND SPAN 301 - Advanced Spanish I	BICS, FL, HUM (101, 102, 201, 202, 301) EREG (101, 102)	20
Statistics	3, 4, 5	STAT 244 - Statistics	BICS, PS, EL	4
United States Government and Politics	4, 5	POLS 112 - Intro Amer Nat'l Government & Politics	BSS, ERGU	3
United States Government and Politics	3	POLS XXXX - Political Science Elective	BSS	3
United States History	3, 4, 5	HIST 200 - U.S. History through the Reconstruction Era OR HIST 201 - U.S. History since the Reconstruction Era	BSS, EL, ERGU	3
World History	3, 4, 5	HIST 112A - World History to 1500 OR HIST 112B - World History 1500 to Present	BHUM, EREG, IASS	3

Art and Design

Students scoring a 3, 4 or 5 on the Drawing, 2-D Design, or 3-D Design Portfolio exams may arrange to bring their complete portfolio/s to the Art and Design Department for faculty review. If the review is favorable, students will receive credit for the comparable SIUE course indicated. [Process: Students should go to Testing Services (SSC 1246) indicating which Art studio course they wish to receive credit, pick up the

proficiency form, submit to Art & Design (AD 1101) and set up appointment to show portfolio. If credit is awarded, it will be posted as SIUE proficiency credit.]

****Chemistry**

Students scoring a 3 or 4 must have a favorable review from the Chemistry Department for lab credit (CHEM 125A and/or CHEM 125B). Students scoring a 5 will automatically be awarded the lab credit. [Process: Students should go to Testing Services (SSC 1246), pick up proficiency form, submit to Chemistry Chair (SW 3105) and set up appointment to show high school chemistry information such as lab notes, textbook, etc. Student may need to demonstrate lab technique by taking a proficiency exam. If credit is awarded, it will be posted as SIUE proficiency credit.]

Students should send official results of advanced placement examinations to the Office of the Registrar. Credit earned through Advanced Placement examinations may be applied toward the 120 hours required for graduation. Please note this credit is not used in computing the SIUE grade point average. Advancement Placement credit granted at another accredited university or college is transferable to SIUE. Advanced Placement examinations are considered proficiency examinations. See the section about proficiency examinations in this catalog.

College Level Examination Program (CLEP)

SIUE will grant credit to students for successful completion of College Level Examination Program (CLEP) tests under the following conditions:

- A maximum of 32 hours of CLEP credit is applicable toward a baccalaureate degree. For information regarding general education credit for CLEP examinations, please refer to the section titled Proficiency Examinations for General Education Credit.
- Credit will be awarded for a CLEP subject examination when approved by the SIUE department offering a comparable course.
- Test credit will not be allowed when students previously have received credit for comparable courses or when currently enrolled in a comparable course.
- Students may take the tests before enrolling at the University. Final recording of credit on the SIUE record is contingent upon matriculation at the University and acceptable scores.
- When approved, credit will normally be awarded for subject examinations based on of the number of credit hours in the pertinent courses.

CLEP exams are available by computer only. For information, please call Testing Services at 618-650-1246 or follow the link to CLEP on the testing web page at siue.edu/testing. Persons who wish to apply for credit through SIUE should have official results sent to the Office of the Registrar.

Exam Title	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	Credit Hours	
American Government	50	POLS 112 - Intro to American National Government & Politics	BSS, ERGU	3	
American Literature	50	ENG 1XX - American Literature	BHUM	3	
Analyzing and Interpreting Literature	50	ENG 1XX - Analyzing and Interpreting Literature	BHUM	3	
Biology	50	BIOL 111 - Contemporary Biology OR BIOL 205 - Human Diseases	111-BLS, 205-BLS, EH	3	
Calculus	55	MATH 150 - Calculus I	BPS	5	
Chemistry	63	CHEM 121A - General Chemistry AND CHEM 125A - General Chemistry Lab	121A-BPS, 125A-BPS, EL	5	
Chemistry	55	CHEM 120A - General, Organic, and Biological Chemistry AND CHEM 124A - General, Organic, and Biological Chemistry Lab	120A-BPS, 124A-BPS, EL	4	
College Algebra	50	MATH 120 - College Algebra	BPS	3	
College Composition	50	ENG 101 - English Composition I	FW1	3	
College Mathematics	50	QR 101 - Quantitative Reasoning	FQR	3	
English Literature	50	ENG 1XX - English Literature	BHUM	3	
Financial Accounting	50	ACCT 200 - Fundamentals of Financial Accounting		3	

Exam Title	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	Credit Hours	
French Language Level 1	55	FR 101 - Elementary French I ***AND*** FR 102 - Elementary French II	BICS, EREG, FL, HUM BICS, EREG, FL, HUM	4 4	
French Language Level 2	65	FR 101 - Elementary French I ***AND*** FR 102 - Elementary French II ***AND*** FR 201 - Intermediate French I	BICS, EREG, FL, HUM BICS, EREG, FL, HUM BICS, FL, HUM	4 4 4	
German Language Level 1	55	GER 101 - Elementary German I ***AND*** GER 102 - Elementary German II	BICS, EREG, FL, HUM, BICS, EREG, FL, HUM	4 4	
German Language Level 2	65	GER 101 - Elementary German I ***AND*** GER 102 - Elementary German II ***AND*** GER 201 - Intermediate German I	BICS, FL, HUM, EREG, BICS, EREG, FL, HUM BICS, FL, HUM	4 4 4	
History of the US I: to 1877	50	HIST 200 - U.S. History through the Reconstruction Era	BSS, EL, ERGU, IASS	3	
History of the US II: from 1865	50	HIST 201 - U.S. History since the Reconstruction Era	BSS, EL, ERGU, IASS	3	
Human Growth and Development	50	PSYC 1XX - Human Growth and Development	BSS	3	
Humanities	50	TRF 1XX - Humanities	BHUM	3	
Information Systems	50	CMIS 108 - Computer Concepts and Applications	BICS	3	
Introductory Business Law	50	GBA 1XX – Introductory Business Law		3	
Intro to Educational Psychology	50	EPFR 315 - Educational Psychology	SS	3	
Introductory Psychology	50	PSYC 111 - Foundations of Psychology	BSS, EH	3	
Introductory Sociology	57	SOC 111 - Introduction to Sociology	BSS, ERGU	3	
Natural Sciences	50	TRF 1XX - Natural Science	LS	3	
Precalculus	50	MATH 125 - Pre-Calculus Mathematics with Trigonometry	BPS	3	
Principles of Macroeconomics	50	ECON 111 - Principles of Macroeconomics	BSS	3	
Principles of Management	50	MGMT 1XX – Principles of Management		3	
Principles of Marketing	50	MKTG 1XX – Principles of Marketing		3	
Principles of Microeconomics	50	ECON 112 - Principles of Microeconomics	BSS	3	
Social Science/History	50	TRF 1XX - Social Science/History	BSS	3	
Spanish Language Level 1	55	SPAN 101 - Elementary Spanish I ***AND*** SPAN 102 - Elementary Spanish II	BICS, FL, HUM, EREG, BICS, EREG, FL, HUM	4 4	
Spanish Language Level 2	65	SPAN 101 - Elementary Spanish I ***AND*** SPAN 102 - Elementary Spanish II ***AND*** SPAN 201 - Intermediate Spanish I	BICS, FL, HUM, EREG, BICS, EREG, FL, HUM BICS, FL, HUM	4 4 4	
Western Civilization I	50	HIST 111B - History of Western Civilization II: 500-1715	BSS, EL, EREG, IASS	3	
Western Civilization II	50	HIST 111C - History of Western Civilization III: 1715-Present	BSS, EL, EREG	3	

Accountancy, Biological Sciences, Chemistry, Computer Sciences, Mathematics & Statistics, or Physics Majors at SIUE should be alert to restrictions in credit granted through CLEP. No credit toward graduation can be earned through CLEP after credit has been received for more advanced work in the subject.

DANTES/DSST Examinations

SIUE will grant credit to students with passing scores. Credit granted for DANTES/DSST and CLEP is subject to a maximum of 32 hours toward a baccalaureate degree. Persons who wish to apply for credit through SIUE should have official results sent to the Office of the Registrar.

Exam Title	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	
A History of the Vietnam War (B)	400	HIST 1XX - A History of the Vietnam War	BSS	
Art of the Western World (B)	400	ART 1XX - Art of the Western World	BFPA	

Exam Title	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes
Astronomy (B)	400	PHYS 118 - Astronomy	BPS, IAPS
Business Ethics and Society (BU)	400	TRF 3XX - Business Ethics and Society	HUM
Business Mathematics (B)	400	TRF 1XX - Business Mathematics	BICS
Computing and Information Technology (B)	400	CS 108 - Applied Computer Concepts	BICS
Criminal Justice (B)	400	CJ 1XX - Criminal Justice	BSS
Environmental Science (B)	400	ENSC 111 - Environment and Sustainability	BPS
Ethics in America (B)	400	PHIL 3XX - Ethics in America	HUM
Ethics in Technology (B)	400	TRF 1XX - Ethics in Technology	N/A
Foundations of Education (B)	400	CIED 1XX - Foundations of Counseling	N/A
Fundamentals of College Algebra (B)	400	MATH 120 - College Algebra	BPS
Fundamentals of Counseling (B)	400	PBHE 1XX - Fundamentals of Counseling	N/A
Fundamentals of Cybersecurity (BU)	400	TRF 3XX - Fundamentals of Cybersecurity	N/A
General Anthropology (B)	400	ANTH 1XX - General Anthropology	BSS
Health and Human Development (B)	400	PBHE 111 - Personal Health	EH
History of the Soviet Union (BU)	400	HIST 3XX - History of the Soviet Union	BSS
Human Resource Management (B)	400	MGMT XXXX - Human Resource Management	N/A
Introduction to Business (B)	400	TRF 1XX - Introduction to Business	N/A
Introduction to Geography (B)	400	GEOG 111 - Intro to Geography	BSS, EL
Introduction to Geology (B)	400	ESCI 111 - Intro to Physical Geology & Geography	BPS, EL, IAPS
Introduction to Law Enforcement (B)	400	CJ 1XX - Introduction to Law Enforcement	BSS
Introduction to World Religions (B)	400	PHIL 1XX - Introduction to World Religions	BHUM
Lifespan Development Psychology (B)	400	PSYC 1XX - Lifespan Development Psychology	BSS
Management & Information Systems (B)	400	CMIS 108 - Computer Concepts and Applications	BICS, IBUS
Math for Liberal Arts (B)	400	QR 101 - Quantitative Reasoning	FQR
Money and Banking (BU)	400	FIN 3XX - Money and Banking	N/A
Organizational Behavior (B)	400	MGMT XXXX - Organizational Behavior	N/A
Personal Finance (B)	400	FIN XXXX - Principles of Finance	N/A
Principles of Advanced English Composition (B)	400	ENG 3XX - Principles of Advanced Composition	BHUM
Principles of Finance	400	FIN 3XX - Principles of Finance	N/A
Principles of Public Speaking	400	ACS 103 - Interpersonal Communication Skills	BICS, EREG, ERGU, FSPS
Principles of Statistics (B)	400	STAT 107 - Concepts of Statistics	BICS, PS
Principles of Supervision (B)	400	MGMT XXXX - Principles of Supervision	N/A
Substance Abuse: Drug & Alcohol Abuse (B)	400	PBHE 1XX - Substance Abuse: Drug & Alcohol Abuse	EH
Technical Writing (B)	400	ENG 1XX - Technical Writing	BICS
The Civil War and Reconstructions (B)	400	HIST 1XX - The Civil War and Reconstruction	BSS

(B) Lower Baccalaureate, (BU) Upper Baccalaureate

International Baccalaureate Credit

Students who wish to seek International Baccalaureate (IB) credit transferred should apply through the International Baccalaureate Organization. This credit is not used in computing the grade-point average. IB credit transcribed as college courses from previous accredited college or university is transferable to SIUE.

Courses for which earned hours credit may be awarded through IB Credit are the following:

Exam Title	Level	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	SIUE Credit Hours
Biology	Higher (HL)	4-7	BIOL 150 - Introduction to Biological Sciences I BIOL 151 - Introduction to Biological Sciences II	BLS, EL	8
Business and Management	Higher (HL)	4-7	GBA XXXX - Business and Management HL		3
Chemistry	Higher (HL)	5-7	CHEM 121A - General Chemistry CHEM 125A - General Chemistry Lab CHEM 121B - General Chemistry CHEM 125B - General Chemistry Lab	BPS, EL	10
Chemistry	Higher (HL)	4	CHEM 121A - General Chemistry CHEM 125A - General Chemistry Lab	BPS, EL	5
Chinese A Language & Literature	Higher (HL)	4-7	CHIN 201 - Intermediate Chinese I CHIN 202 - Intermediate Chinese II	BICS, FL, HUM	8
Chinese A: Literature	Higher (HL)	4-7	CHIN XXXX - Chinese A: Literature HL	BHUM	3
Chinese B	Higher (HL)	4-7	CHIN 201 - Intermediate Chinese I CHIN 202 - Intermediate Chinese II	BICS, FL, HUM	8
Classical Languages - Greek	Higher (HL)	4-7	GRK 201 - Intermediate Greek I GRK 202 - Intermediate Greek II	FL, HUM, IAI GECC-Humanities	8
Computer Science	Higher (HL)	4-7	TRF XXXX - Computer Science HL		3
Dance	Higher (HL)	4-7	DANC 1XX - Dance	BFPA	3
Design Technology	Higher (HL)	4-7	TRF XXXX - Design Technology HL		3
Digital Society	Higher (HL)	4-7	TRF 1XX - Digital Society		3
Economics	Higher (HL)	4-7	ECON 111 - Principles of Macroeconomics ECON 112 - Principles of Microeconomics	BSS	6
English A: Language & Literature	Higher (HL)	4-7	ENG 101 - English Composition I	FW1	3
English A: Literature	Higher (HL)	4-7	ENG 111 - Introduction to Literature	BHUM, LIT	3
Film	Higher (HL)	4-7	TRF XXXX - Film HL		3
French A Language & Literature	Higher (HL)	4-7	FR 201 - Intermediate French I FR 202 - Intermediate French II	BICS, FL, HUM	8
French A: Literature	Higher (HL)	4-7	FR XXXX - French A: Literature HL	BHUM	3
French B	Higher (HL)	4-7	FR 201 - Intermediate French I FR 202 - Intermediate French II	BICS, FL, HUM	8
Geography	Higher (HL)	4-7	GEOG 111 - Introduction to Geography	BSS, EL	3
German A Language & Literature	Higher (HL)	4-7	GER 201 - Intermediate German I GER 202 - Intermediate German II	BICS, FL, HUM	8
German A: Literature	Higher (HL)	4-7	GER XXXX - German A: Literature HL	BHUM	3
German B	Higher (HL)	4-7	GER 201 - Intermediate German I GER 202 - Intermediate German II	BICS, FL, HUM	8
Global Politics	Higher (HL)	4-7	POLS 270 Introduction to International Relations	BSS	3
History	Higher (HL)	4-7	HIST 112A - World History to 1500 HIST 112B - World History 1500 to Present	BHUM	6
History Africa & Middle East	Higher (HL)	4-7	HIST 1XX - History Africa & Middle East	BSS	6
History Americas	Higher (HL)	4-7	HIST 200 - U.S. History through the Reconstruction Era & HIST 201 - U.S. History since the Reconstruction Era	BSS, EL, ERGU	6
History Asia & Oceania	Higher (HL)	4-7	HIST 1XX - History Asia & Oceania	BSS	6
History Europe	Higher (HL)	4-7	HIST 1XX - History Europe	BSS	6
Latin	Higher (HL)	4-7	LAT 201 - Intermediate Latin I LAT 202 - Intermediate Latin II	FL, HUM	8
Math: Analysis & Approach	Higher (HL)	4-7	MATH XXXX - Math: Analysis & Approach		3
Math: Applicat & Interpret	Higher (HL)	4-7	MATH XXXX - Math: Applicat & Interpret		3
Music	Higher (HL)	4-7	MUS 124 - Foundations of Music	BFPA	3
Philosophy	Higher (HL)	4-7	PHIL 111 - Introduction to Philosophy	BHUM	3

Exam Title	Level	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	SIUE Credit Hours
Physics	Higher (HL)	4-7	PHYS 151 - University Physics I PHYS 151L - University Physics I Lab PHYS 152 - University Physics II PHYS 152L - University Physics II Lab	BPS, EL	10
Psychology	Higher (HL)	4-7	PSYC 111 - Foundations of Psychology	BSS, EH	3
Social and Cultural Anthropology	Higher (HL)	4-7	ANTH 300 - Ethnographic Fieldwork	BSS	3
Spanish A Language & Literature	Higher (HL)	4-7	SPAN 201 - Intermediate Spanish I SPAN 202 - Intermediate Spanish II	BICS, FL, HUM	8
Spanish A: Literature	Higher (HL)	4-7	SPAN XXXX - Spanish A: Literature HL	BHUM	3
Spanish B: Literature	Higher (HL)	4-7	SPAN 201 - Intermediate Spanish I SPAN 202 - Intermediate Spanish II	BICS, FL, HUM	8
Sports, Exercise & Health Sci	Higher (HL)	4-7	KIN 270 Personal Wellness	EH	3
Theater	Higher (HL)	4-7	TRF XXXX - Theater HL		3
Visual Arts	Higher (HL)	4-7	ART XXXX - Visual Arts HL without portfolio review*	BFPA	3
Visual Arts	Higher (HL)	4-7	ART 111 - Introduction to Art ART 112B - Foundation Studio: Visual Org I with favorable portfolio review*	BFPA	6
Biology	Standard (SL)	4-7	BIOL 111 - Contemporary Biology	BLS	3
Business and Management	Standard (SL)	4-7	GBA XXXX - Business and Management SL		3
Chemistry	Standard (SL)	4-7	CHEM 113 - Introduction to Chemistry	PS	3
Chinese A Language & Literature	Standard (SL)	4-7	CHIN 101 - Elementary Chinese I CHIN 102 - Elementary Chinese II	BICS, FL, EREG, HUM	8
Chinese A: Literature	Standard (SL)	4-7	CHIN XXXX - Chinese A: Literature SL	BHUM	3
Chinese B	Standard (SL)	4-7	CHIN 101 - Elementary Chinese I CHIN 102 - Elementary Chinese II	BICS, FL, EREG, HUM	8
Classical Languages - Greek	Standard (SL)	4-7	GRK 101 - Introduction to Greek I GRK 102 - Introduction to Greek II	FL, HUM	8
Computer Science	Standard (SL)	4-7	TRF XXXX - Computer Science SL		3
Dance	Standard (SL)	4-7	DANC 1XX - Dance	BFPA	3
Design Technology	Standard (SL)	4-7	TRF XXXX - Design Technology SL		3
Digital Society	Standard (SL)	4-7	TRF 1XX - Digital Society		3
Economics	Standard (SL)	4-7	ECON XXXX - Economics SL		3
English A: Language & Literature	Standard (SL)	4-7	ENG XXXX - English A: Language & Literature SL		3
English A: Literature	Standard (SL)	4-7	ENG XXXX - English A: Literature SL		3
Environmental Systems and Society	Standard (SL)	6-7	ENSC 220 - Principles of Environmental Science	BPS	3
Environmental Systems and Society	Standard (SL)	4-5	ENSC 111 - Environment and Sustainability	BPS	3
Film	Standard (SL)	4-7	TRF XXXX - Film SL		3
French A Language & Literature	Standard (SL)	4-7	FR 101 - Elementary French I FR 102 - Elementary French II	BICS, FL, EREG, HUM	8
French A: Literature	Standard (SL)	4-7	FR XXXX - French A: Literature SL	BHUM	3
French B	Standard (SL)	4-7	FR 101 - Elementary French I FR 102 - Elementary French II	BICS, FL, EREG, HUM	8
Geography	Standard (SL)	4-7	GEOG 111 - Introduction to Geography	BSS, EL	3
German A Language & Literature	Standard (SL)	4-7	GER 101 - Elementary German I GER 102 - Elementary German II	BICS, FL, EREG, HUM	8
German A: Literature	Standard (SL)	4-7	GER XXXX - German A: Literature SL	BHUM	3
German B	Standard (SL)	4-7	GER 101 - Elementary German I GER 102 - Elementary German II	BICS, FL, EREG, HUM	8
Global Politics	Standard (SL)	4-7	POLS XXXX Global Politics	BSS	3
History	Standard (SL)	4-7	HIST 112A - World History to 1500 - OR- HIST 112B - World History 1500 to Present	BHUM	3

Exam Title	Level	Required Minimum Score	SIUE Equivalent Course	SIUE Attributes	SIUE Credit Hours
History Africa & Middle East	Standard (SL)	4-7	HIST 1XX - History Africa & Middle East	BSS	3
History Americas	Standard (SL)	4-7	HIST 200 - U.S. History through the Reconstruction Era **or** HIST 201 - U.S. History since the Reconstruction Era	BSS, EL, ERGU	3
History Asia & Oceania	Standard (SL)	4-7	HIST 1XX - History Asia & Oceania	BSS	3
History Europe	Standard (SL)	4-7	HIST 1XX - History Europe	BSS	3
Latin	Standard (SL)	4-7	LAT 101 - Introduction to Latin I LAT 102 - Introduction to Latin II	FL, HUM	8
Mandarin AB	Standard (SL)	4-7	FL 1XX - Foreign Lang: Mandarin AB	FL, HUM	8
Math: Analysis & Approach	Standard (SL)	4-7	MATH XXXX - Math: Analysis & Approach		3
Math: Applicat & Interpret	Standard (SL)	4-7	MATH XXXX - Math: Applicat & Interpret		3
Music	Standard (SL)	4-7	MUS 111 - Introduction to Music History/Literature	BFPA	3
Philosophy	Standard (SL)	4-7	PHIL XXXX - Philosophy SL		3
Physics	Standard (SL)	4-7	PHYS 151 - University Physics I PHYS 151L - University Physics I Lab	BPS, EL	5
Psychology	Standard (SL)	4-7	PSYC 111 - Foundations of Psychology	BSS, EH	3
Social and Cultural Anthropology	Standard (SL)	4-7	ANTH 111B - Human Culture & Communication	BSS, ERGU, EREG	3
Spanish A Language & Literature	Standard (SL)	4-7	SPAN 101 - Elementary Spanish I SPAN 102 - Elementary Spanish I	BICS, FL, EREG, HUM	8
Spanish A: Literature	Standard (SL)	4-7	SPAN XXXX - Spanish A: Literature SL	BHUM	4
Spanish B: Literature	Standard (SL)	4-7	SPAN 101 - Elementary Spanish I SPAN 102 - Elementary Spanish I	BICS, FL, EREG, HUM	8
Theater	Standard (SL)	4-7	TRF XXXX - Theater SL		3
Visual Arts	Standard (SL)	4-7	ART 111 - Introduction to Art	BFPA	3
World Religions	Standard (SL)	4-7	PHIL 234 - World Religions	BHUM	3

*** Students scoring a 4-7 Visual Arts (HL) portfolio exams may arrange to bring their complete portfolio/s to the Art and Design Department for faculty review. If the review is favorable, students will receive credit for the comparable SIUE course indicated.** [Process: Students should go to Testing Services (SSC 1246) indicating which Art studio course they wish to receive credit, pick up the proficiency form, submit to Art & Design (AD 1202) and set up appointment to show portfolio. If credit is awarded, it will be posted as SIUE proficiency credit.]

Military Prior Learning Credit

Students who are veterans or service members are eligible to receive academic credit for military training/education programs. Credit is awarded based on American Council on Education (ACE) recommendations and appropriate application to the student's program of study. Persons who wish to apply for credit through SIUE should have official results sent to the Office of the Registrar.

Evaluation of military prior learning is done in the Office of the Registrar-Transfer Center, Rendleman Hall, Room 1218, transfercredit@siue.edu.

Combined Bachelor's and Graduate Degree

Requirements and Restrictions

- Bachelor's degree completion is required within one academic year from admission to this program.
- Students retain undergraduate status until the bachelor's degree is awarded.
- Undergraduate courses will count in the undergraduate hours and GPA only.
- Graduate courses will count in the graduate hours and GPA only (including shared credit courses).
- At least 50% of the graduate program must be completed with 500-level courses or higher.
- 400-level courses must be approved for graduate credit (see Graduate Catalog).
- Undergraduate credit (100-300 level) cannot

satisfy graduate degree requirements.
- No graduate degree will be conferred prior to completion of the bachelor's degree.
- Approval from the Graduate School dean is required for graduate degree substitutions or waivers.

Accelerated Option - Permits upper-level undergraduate students conditional acceptance to graduate programs and allows sharing of credit hours toward both the bachelor's and graduate degrees. Between six hours and 12 hours, depending on the approved program, are completed to satisfy both undergraduate and graduate degree requirements.

Early Entry Option - Permits undergraduate students to complete graduate-level coursework but not share credit toward more than one degree.

- Courses numbered higher than 400-level apply to graduate degree only.
- Approved 400-level classes can apply to either the undergraduate or graduate degree. No course will fulfill the requirements of both degrees.

Grading and GPA

Grading System

The University uses the following grading symbols:

- **A** Excellent — 4 credit points
- **B** Good — 3 credit points
- **C** Satisfactory — 2 credit points
- **D** Poor — 1 credit point
- **F** Failure
- **AU** Audit — no grade or credit hours earned
- **DE** Deferred — used only for the first semester course of a two-semester Senior Assignment sequence.
- **H** Passed with Honors
- **I** Incomplete — all work required for the course during the term was not completed; students have the permission of the instructor to do so within a specified time period. For more information about the incomplete grade policy, see the section titled Incomplete Grades.
- **PR** Progress — awarded only for foundation courses. PR grades are not included in grade point average calculations. To earn credit for a course in which a PR grade was earned, students must repeat the course and earn a passing grade.
- **P** Pass — used for courses taken under Pass/No Credit option.
- **NC** No Credit — used for courses taken under Pass/No Credit option; no credit hours earned.
- **NS** Non attendance — used when the instructor has no record of attendance or active participation
- **S** Satisfactory — used for noncredit courses and thesis and may be used for internships or practica at the program's discretion
- **U** Unsatisfactory — used for noncredit courses and thesis and may be used for internships or practica at the program's discretion
- **UW** Unauthorized Withdrawal — calculated as an F in grade average
- **W** Withdrawal. Authorized withdrawal — work may not normally be completed
- **WP** Withdrew Passing
- **WF** Withdrew Failing — calculated as F in grade average
- **WR** Withdrawal by Registrar

For more information about withdrawal grades and procedures, refer to the sections titled Changes in Registration and Withdrawing from the University.

Grade Point Average (GPA) Calculation

Only SIUE courses are used in calculating the cumulative grade point average (GPA). The GPA is calculated as follows:

- A — 4 Points
- B — 3 Points
- C — 2 Points
- D — 1 Point
- F — 0 Points
- AU — Audit (0 Points)
- DE — Deferred (0 Points)
- I — Incomplete (0 Points)
- H — Passed with Honors (0 Points)
- PR — Progress (0 Points)
- P — Pass (0 Points)
- NC — No Credit (0 Points)
- NS — Non attendance (0 Points)
- S — Satisfactory (0 Points)
- U — Unsatisfactory (0 Points)
- UW — Unauthorized Withdrawal (0 Points)
- W — Withdrawal (0 Points)

- WP — Withdrew Passing (0 Points)
- WF — Withdrew Failing (0 Points)
- WR — Withdrawal by the Registrar (0 points)

- Quality hours are multiplied by grade points to obtain quality points for each course. Quality hours are awarded for courses with grades of A, B, C, D, F, UW, and WF.
- The quality hours column is totaled.
- The quality points column is totaled.
- Total quality points are divided by the total quality hours. Grade point averages are rounded to the third decimal.

Example

Courses	Quality Hours	x	Grades	=	Quality Points	
AD 070	0	x	P(0)	=	0.0	
AD 090	0	x	NC(0)	=	0.0	
BIOL 111	3	x	A(4)	=	12	
ACS 101	3	x	F(0)	=	0.0	
THEA 141	3	x	B(3)	=	9.0	
Total	9			=	21.0	

Twenty-one (21) quality points divided by 9 quality hours yields a 2.333 GPA (grade point average).

Incomplete Grades

A grade of I (Incomplete) may be awarded when a student has completed most of the work required for a class but is prevented by a medical or similar emergency from completing a small portion of the course requirement. Unless instructors have specified a shorter period of time, incomplete grades not completed within one year will automatically be changed to an F (graduation in the meantime notwithstanding). Instructors who specify a shorter period of time must communicate that stipulation in writing, with copies to the registrar, the department chair, and the student, at the time the incomplete is granted. Students who feel that mitigating circumstances justify an extension of the time limit may petition the faculty member who granted the incomplete. Faculty members who agree to grant extensions must inform the student, the department chair, and the registrar. Students completing work for a course in which they have a grade of Incomplete should not formally re-enroll in that course, but should meet with their instructor to determine requirements for completing the course.

Pass/No Credit

Under the Pass/No Credit option, students receive a Pass for grades A, B, C, and No Credit for grades of D or F. At the time of requesting Pass/No Credit, students may stipulate that they would rather receive the grade of D than No Credit.

Pass/No Credit is limited to courses outside general education requirements and major and minor requirements. Students may enroll in no more than 9 hours of undergraduate coursework under the pass/no credit option. These limitations do not apply to courses offered only for Pass/No Credit.

A decision to take a course on a Pass/No Credit basis must be declared no later than the eighth week of the fall or spring term and the sixth week of the summer session, and must be approved by the advisor. Undergraduate students registering for a course for credit may change to or from audit status during the first six weeks of fall or spring terms and through the first four weeks of the summer term. Thereafter, no change may be made. Some graduate schools and employers consider Pass equivalent to a C grade.

Auditing Courses

You may register for Audit status for courses, but will receive neither a letter grade nor credit. Students auditing classes pay the same tuition and fees as those registered for credit. If auditing students do not attend regularly, the instructor may determine that they should not receive “AU” grades for the courses.

Veterans attending under the GI Bill do not receive benefits for audited classes. Illinois State Assistance

Commission Monetary Award and Pell (Basic) Grant recipients may not include audit classes as part of the total hours to qualify for payment.

Repeated Courses

Students may repeat courses at SIUE under the following conditions and restrictions:

- When a course is repeated, only the grade earned in the final attempt will be used in computing the grade point average. All grades will appear on the transcript.
- Credits earned for any course will be applied only once toward degree requirements, no matter how often the course is repeated.
- Students will not be permitted to repeat for credit a course which is a prerequisite for a course already successfully completed.
- Courses may not be repeated more than three times.

The University is not obligated to offer a course simply to provide students an opportunity to repeat a previously attempted course. Additionally, individual academic units and programs may set more stringent conditions and restrictions regarding repeated courses.

Final Examinations

Students who have more than two final examinations scheduled for the same day, or who have two examinations scheduled for the same time, may request that one of the examinations be rescheduled. This can be accomplished by submitting a written request to the Vice Chancellor for Enrollment Management, in Rendleman Hall, Room 1207. The request must include the student's name, student identification number, and list of scheduled courses, and must be received by the Vice Chancellor for Enrollment Management at least two weeks before the first day of the examination period.

Transcripts

Students may request official copies of their SIUE academic record. Transcripts may be requested online through our third party vendor, Parchment. Unofficial copies are available on CougarNet. Telephone requests for transcripts cannot be honored. Visit www.siue.edu/registrar for more information regarding transcript requests.

Academic Standing

Academic Warning, Probation and Suspension

If you have a cumulative grade point average of 2.00 or above, you are in good academic standing.

If your cumulative grade point average falls below 2.00, you will be placed on academic warning and will be subject to the restrictions placed on warning students. You will receive notification of this status and information regarding the Academic Warning, Probation and Suspension policy. If you are placed on academic warning, you are required to receive intensive academic counseling and advising during the next term of enrollment. An advisor will help you identify solutions and develop a plan of action. If you are on academic warning, you will not be returned to good standing until your cumulative average is 2.00 or higher.

If you are on academic warning and fail to attain a 2.00 term average, you will be placed on academic probation. While on academic probation, you will be required to enroll in an appropriate college success course as determined by your advisor.

If you are on academic probation and fail to attain a 2.0 term average, you will be placed on academic suspension. You will be ineligible to enroll for at least one term (fall, spring or summer). After one semester, you may return to SIUE. You will be required to meet with an advisor three times during the term. You will resume academic probation during your return enrollment.

If you are suspended again, you must submit an appeal for reinstatement to be considered for return. You may re-enroll only upon favorable action by the Suspension Appeals Committee, provided that you agree to the stipulations, if any, set by the committee and that you agree to work closely with an advisor. You and your advisor must reach agreement upon a plan of action. Suspended students who have been permitted to re-enroll will return on probation.

Plan of Action

A plan of action consists of specific steps designed to promote your successful return to good standing. A

plan of action may include:

- reduction in number of credit hours attempted;
- change in academic major;
- enrollment in courses prescribed by the advisor, e.g., writing, reading, study skills;
- enrollment in courses in which you previously received a failing grade;
- career counseling;
- more frequent meetings with advisor;
- other advisor-recommended measures.

Academic Recognition

Students who demonstrate outstanding scholarship are included on the Deans' List and recognized at Honors Convocation and Commencement.

To be included on the Deans' List, a student's term quality hours must be equal to or greater than 12 with a minimum grade point average of 3.5 for the term. Credit earned for out-of-class proficiency is not used in qualifying for the Deans' List (published at the end of each term).

Graduating seniors who have achieved outstanding scholarship are recognized at Commencement in the graduation program; their diplomas and insignia on their regalia designate summa cum laude (3.9 or higher), magna cum laude (3.75-3.89), or cum laude (3.50-3.74).

Graduation

Undergraduate students may elect to complete their degree under the requirements that appear in the undergraduate catalog in force at the time of their original matriculation as SIUE degree-seeking students or, subject to the approval of an academic advisor, may elect the requirements that appear in a succeeding catalog. This policy is subject to the following: No student may graduate under general education, major, or minor requirements published in a catalog more than seven years old without the written permission of the Dean of the college or school of the student's major or first major. Written permission shall be submitted to the Registrar with the application for graduation.

A student may satisfy general education requirements from one catalog and major or minor requirements from a second catalog, provided that neither catalog exceeds the seven-year limit stated above. Bachelor's degree candidates are expected to satisfy all general education requirements as well as all requirements for their academic major and any academic minor. Students intending to teach must meet the requirements for teacher certification. In addition, all candidates for a bachelor's degree must satisfy all other University requirements, including a senior assignment (see Assessment and the Senior Assignment), and maintain a minimum grade point average of 2.00 for work completed at SIUE. Academic program requirements may exceed University requirements.

Candidates for the degree must complete a minimum of 120 hours of credit in approved courses. Students transferring from an accredited two-year institution must earn at SIUE, or at any other accredited four-year institution, at least 60 of the semester hours required for the degree. All candidates for the degree must complete a minimum of 30 semester hours in residence at SIUE. Written requests for exceptions should be directed to the Graduation Appeals Committee through the Registrar. Students are responsible for meeting all degree requirements and financial obligations.

Application for Graduation

Candidates for a baccalaureate degree should file an application for graduation at the beginning of their senior year. Applications are completed through CougarNet.

Once a completed application is received, graduation evaluations are performed. The Registrar determines completion of general education, University, major and minor requirements. Students also must satisfy all outstanding financial obligations to the University. Diplomas will not be issued for students with outstanding financial obligations.

Applications must be submitted by the published deadlines posted on the Office of the Registrar website. All graduation requirements must be completed by the last day of the graduation term. Commencement ceremonies are held at the end of each fall and spring term. Attendance at the exercises is voluntary; however, you will not be

eligible to participate unless you have applied for graduation and it has been determined that you will complete degree requirements by the end of the term in which you have applied for graduation. Summer degree candidates may be eligible to participate in the preceding spring commencement ceremony if no more than 9 hours remain for degree completion at the conclusion of spring term. Summer degree candidates wishing to participate in the preceding spring commencement ceremony must have their application for graduation on file by March 1. Participation in a commencement ceremony does not guarantee that degree requirements have been completed. Once you have participated in a commencement ceremony, you may not participate in another commencement ceremony for the same degree. A graduation fee of $60 is payable at the time of application. The fee does not cover the cost of the cap and gown. These items are purchased through the University Bookstore in the Morris University Center. Questions regarding the cap and gown and invitations are referred to the bookstore.

Second Baccalaureate Degree

Students seeking a second baccalaureate degree must complete a minimum of 30 semester hours beyond completion of the first degree and must satisfy the requirements of the major of the second degree. At least 15 of these hours must be in residence at SIUE.

Graduation Appeals Committee

The SIUE Graduation Appeals Committee hears students' petitions to graduate even though they have not satisfied all University graduation requirements. The committee hears only those cases involving University requirements for a baccalaureate degree. Appeals relative to a major or academic unit requirement are made through the appropriate department.

Requests for waiver of general education requirements are made to the General Education Committee of the Faculty Senate. Ordinarily, the Graduation Appeals Committee will give consideration to an appeal only if there is tangible evidence that the matters at issue are of an unusual nature and that they have resulted from conditions beyond the control of the student. Appeals are initiated through the Office of the Registrar.

University Policies

Alcohol and Drug Policies

Each year, in accordance with the Drug-Free Schools and Communities Act of 1989, SIUE advises students and employees of its policies in compliance with local, state, and federal laws governing controlled substances, illegal drugs, and alcoholic beverages. Information is provided about the health effects of drug and alcohol use, penalties for violating applicable laws or university policy, and educational and referral program assistance provided by the university.

Alcohol Notification and Violence Disclosure

The Family Educational Rights and Privacy Act permits institutions of higher education to disclose to parents or legal guardians of a student under the age of 21 years information regarding the violation of any federal, state, or local law, institutional disciplinary rule or policy regarding the use or possession of alcohol or a controlled substance. Further, the act permits institutions of higher education to disclose limited information from disciplinary records of students who have admitted to or been found guilty of a crime of violence where the records directly relate to such misconduct.

Recognizing that disclosure is permitted rather than required, SIUE will notify the parents of students under the age of 21 years regarding the violations of any federal, state, or local law or university disciplinary rules or policies pertaining to the use or possession of alcohol or a controlled substance at the discretion of the Vice Chancellor for Student Affairs or his or her designee.

Equal Opportunity

SIUE is committed to equal opportunity for all persons in regard to its academic and educational programs and services offered to the university community. SIUE administers its activities, programs, services, and educational and employment opportunities without regard to an individual's age, color, disability, marital status, national origin, race, religion, sex, sexual orientation, veteran status, or other prohibited basis.

SIUE complies in letter and spirit with appropriate federal and state legislation prohibiting discrimination, including Titles VI and VII of the Civil Rights Act of 1964, Title IX of the Education Amendments Act of 1972, The Americans with Disabilities Act of 1990, and the Illinois Human Rights Act.

Responsibility for this area is assigned to the Office of Equal Opportunity, Access, and Title IX Coordination, which is charged with developing and maintaining the necessary programs, records, and reports to comply with applicable state and federal statutes and regulations, and with carrying out the goals and objectives of equal opportunity.

Anyone seeking more information about SIUE's Affirmative Action Plan and equal opportunity should contact the Office for Equal Opportunity, Access, and Title IX Coordination, Room 3316, Rendleman Hall, Box 1025, SIUE, Edwardsville, IL, 62026-1025, 618-650-2333, EOA-TitleIX@siue.edu.

Fair Practice

SIUE maintains fair and reasonable practices in all matters affecting students: the delivery of educational programs, provision of support services, and due process with regard to disciplinary matters and the handling of grievances and complaints. In addition, the university endorses the basic principles of the codes of ethics issued by the American Association of Collegiate Registrars and Admissions Officers and by the National Association of College and University Business Officers. Information about fair practices may be obtained from the Offices of the Provost and Vice Chancellor for Academic Affairs, the Vice Chancellor for Student Affairs, and the Office of Equal Opportunity, Access and Title IX Coordination, Room 3310, Rendleman Hall, SIUE Campus, Box 1025, Edwardsville, IL, 62026-1025.

Notification of Students Involved in Violent Crime

SIUE will release the following information, upon request: the name of person(s) found to have committed a violent crime, the type of crime

committed, the final disposition of the disciplinary process, and the sanction imposed. Students found responsible for such violations of the Student Code of Conduct which are considered “crimes of violence” as referred to in the Family Education Rights and Privacy Act (FERPA) [20 U.S.C. §1232g(b)(6)], will be notified of the University’s policy regarding the release of this information.

Statement on Right to Privacy and Nondisclosure

Under the Family Educational Rights and Privacy Act (FERPA), all students have certain rights with respect to their education record. These rights include:

1. The right to inspect and review their official SIUE records in accordance with provisions of the aforementioned act and within the University guidelines. Inquiries regarding the Family Educational Rights and Privacy Act of 1974 should be directed to the Office of the Registrar.
2. The right to request the amendment of the education record that the student believes is inaccurate, misleading, or otherwise a violation of student’s privacy rights under FERPA. A student who wishes to ask the University to amend a record should write to the University official responsible for the record, clearly identify the part of the record the student wants changed, and specify why it should be changed. The University will notify the student in writing of the decision and hearing procedures if appropriate.
3. The right to provide written consent before the University discloses personally identifiable information from the student’s education records, except to the extent that FERPA authorizes disclosure without consent.
4. The University discloses education records without a student’s prior written consent to school officials with a legitimate educational interest. A school official is a person employed by the University in an administrative, supervisory, academic or research, support staff position (including law enforcement unit personnel and health staff); a person or organization with whom the University has contracted as its agent to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, or clinical/practicum site personnel); University-related organizations; or students 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 responsibilities for the University. Upon request, the University also discloses education records without consent to officials of another school in which a student seeks or intends to enroll. The university may make accessible to any person directory information concerning students unless such release violates state and/or federal regulations. For example, in accordance with the Southern Illinois University Management Act, the University will not release a student’s personal identifying information to a business or financial institution that issues credit or debit cards, unless the student is 21 years of age or older.
5. Directory Information includes:
    - Student name (preferred name will be utilized where one is indicated)
    - Address including local, home, permanent (student must opt-in for third party release)
    - Telephone number including landline, campus, and mobile (student must opt-in for third party release)
    - E-mail address including SIUE and non-SIUE (student must opt-in for third party release)
    - Major field of study
    - Whether a student is currently enrolled
    - Full or part-time enrollment status
    - Class (freshmen, sophomore, etc.)
    - Academic level (undergraduate, graduate, professional)
    - Dates of enrollment
    - Degrees and awards received, including dates, honors, and level of distinction
    - Participation in officially recognized activities or sports
    - Weight and height of members of athletic teams

Students may object to the release of their directory information by submitting a Directory Information Release form. This form is found in the Service Center or online at siue.edu/registrar/pdf/DirectoryInfoRelease.pdf. SIUE publishes a web directory located at siue.edu/search/index.shtml. The information in the directory is refreshed once in fall and once in spring. To ensure exclusion from this online publication, the Directory Information Release form must be on file by the end of the first week of the semester during which the objection is to go into effect. Once filed, requests to withhold directory information will remain in effect until the student submits a written cancellation of the request.

6. The right to file a complaint with the U.S. Department of Education concerning alleged failures by the University to comply with the requirements of FERPA. The name and address of the office that administers FERPA is:

   Family Policy Compliance Office
   U.S. Department of Education
   400 Maryland Avenue, SW
   Washington, DC 20202-5901

Note: The University's complete Policy on Release of Student Information and Access to Student Records may be found at siue.edu/policies/table-of-contents/3g2.shtml.

Annual Security and Fire Safety Report

The SIUE Annual Security and Fire Safety Report is available online at siue.edu/securityreport. The report contains campus safety and security information, crime statistics, fire safety policies, and fire statistics for the previous three calendar years. This report is published in compliance with Federal law, titled the "Jeanne Clery Disclosure of Campus Security Policy and Campus Crime Statistics Act" and the Higher Education Opportunity Act, also known as the "Campus Fire Safety Right to Know." The report is also available for review at the Lovejoy Library Circulation Desk at SIUE; the Biomedical Library Circulation Desk on the SIU School of Dental Medicine Campus in Alton, Ill.; the SIUE Satellite Police Station at the Wyvetter H. Younge Higher Education Campus in East St. Louis, Ill.; the Medical Library on the SIU School of Medicine Campus in Springfield, Ill.; and the Morris Library Circulation Desk at SIUC. For those without computer access, a paper copy of the report may be obtained, with a 24-hour notice, from the Office of the Vice Chancellor for Administration, Rendleman Hall, Room 2228, 618-650-2536.

University Religious Observances Act

The University Religious Observances Act (110 ILCS 110) prohibits institutions of higher education from discriminating against students for observing religious holidays or religious practices in regard to admissions, class attendance, scheduling of examinations and work requirements. Under the Act, "religious observance" or "religious practice" includes all aspects of religious observance and practice, as well as belief. Section 1.5 of the Act provides as follows, "Any student in an institution of higher learning, other than a religious or denominational institution of higher learning, who is unable, because of his or her religious beliefs, to attend classes or to participate in any examination, study, or work requirement on a particular day shall be excused from any such examination, study, or work requirement and shall be provided with an opportunity to make up the examination, study, or work requirement that he or she may have missed because of such absence on a particular day; provided that the student notifies the faculty member or instructor well in advance of any anticipated absence or a pending conflict between a scheduled class and the religious observance and provided that the make-up examination, study, or work does not create an unreasonable burden upon the institution. No fees of any kind shall be charged by the institution for making available to the student such an opportunity. No adverse or prejudicial effects shall result to any student because of his or her availing himself or herself of the provisions of this Section."

Any student who believes he or she has been unreasonably denied an educational benefit due to

his or her religious belief or practices may seek redress with the professor of the class or with a University administrator or may file a complaint with the Office of Equal Opportunity, Access and Title IX Coordination (EOA), Room 3316, Rendleman Hall, Box 1025, SIUE, Edwardsville, IL, 62026-1025, (618) 650-2333. The EOA complaint procedure is posted on the SIUE website at siue.edu/policies/table-of-contents/2c8.shtml. Moreover, the student may file a grievance pursuant to the Student Grievance Code. The code is posted on the SIUE website at https://www.siue.edu/policies/table-of-contents/3c3.shtml.

With respect to student work requirements, a student who believes that his or her religious belief or practice has not been reasonably accommodated may seek redress with the supervisor of the unit in which the student is employed, or may file a complaint with the Office of Equal Opportunity, Access and Title IX Coordination (EOA), as discussed above.

Student Social Conduct, Student Academic Conduct, Student Grievance

Students enrolling in SIUE assume responsibility for conduct compatible with the learning environment of the University. Students are expected to be familiar with the Student Code of Conduct, Student Academic Code, and Student Grievance Code. These policies describe the University's expectations for student conduct, sanctions imposed for violations of these standards, and the procedures which students may follow in filing grievances.

The University gives high priority to matters of academic ethics and abhors all types of cheating, including plagiarism. Plagiarism is the act of representing the work of another as one's own and may consist of copying or otherwise using written or oral work of another without proper acknowledgement of the source. Instructors may impose sanctions for academic cheating in accordance with the Student Academic Code. Students who wish to understand matters relevant to academic ethics and plagiarism should consult their advisors or instructors.

Copies of the codes are available in the Office of the Vice Chancellor for Student Affairs, the Office of the Provost and Vice Chancellor for Academic Affairs, the Graduate School, the Service Center, and in the Office of the Dean, School of Dental Medicine. An electronic version of the Code of Student Conduct can also be found at siue.edu/policies/table-of-contents/3c1.shtml.

SIUE Policy Prohibiting Sexual Harassment

Sexual harassment in higher education is Illegal. Everyone has the right to attend a college or university free from sexual harassment. The Illinois Human Rights Act makes it unlawful for teachers, professors, faculty members and other employees of colleges and universities to sexually harass their students. The Act specifically prohibits unwelcome advances or conduct of a sexual nature and requests for sexual favors of students by an executive, faculty member, administrative staff member, or teaching assistant. The Act covers all public or private universities, colleges, community colleges, junior colleges, business schools, and vocational schools.

Examples of Sexual Harassment in Higher Education:

1. A professor who continually makes jokes of a sexual nature in the classroom;
2. A registration advisor who tells a student he or she might be able to get into a class if the student dates the advisor;
3. An admissions officer who tells a prospective student that the advisor will put in a "good word" for the prospective student if he or she dates the officer;
4. A financial assistance advisor who tells a student that "if you have sex with me, I can look out for scholarships for you";
5. A teaching assistant who promises a student a better grade if the student does not resist any inappropriate touching or sexual advances.

Protection Against Retaliation: It also is unlawful for a faculty or staff member, or for the college or university, to retaliate against a student because the student reported sexual harassment, participated in an investigation of sexual harassment, or because

the student filed a charge of discrimination with the Illinois Department of Human Rights.

What to Do: Any student who believes he or she is being subjected to sexual harassment or retaliated against or anyone seeking more information about SIUE's Sexual Harassment Policy can contact the Office of Equal Opportunity, Access, and Title IX Coordination, Room 3316, Rendleman Hall, Box 1025, SIUE, Edwardsville, IL 62025-1025, (618) 650-2333 or email eoa-titleix@siue.edu. The SIUE Sexual Harassment Policy is available online at www.siue.edu/eoa/

Any student who believes he or she is being subjected to sexual harassment or retaliated against should contact the Illinois Department of Human Rights for more information or to file a charge. Students may contact the Department at 312-814-6200 (Chicago) or 217-785-5100 (Springfield), 866-740-3953 (TTY); or by visiting the Department's website: https://dhr.illinois.gov. Any charge alleging sexual harassment in higher education must be filed within 180 days of the alleged incident(s). Charge forms are available on the Department's website: https://dhr.illinois.gov/filing-a-charge.html.

Illinois Articulation Initiative

The purpose of the Illinois Articulation Initiative (IAI) is to identify common curriculum requirements across associate and baccalaureate degrees and across institutions in order to facilitate student transfer. The Illinois Transferable General Education Core Curriculum identifies the common general education coursework. SIUE is a participant in the Illinois Articulation Initiative. Completion of the general education core curriculum at any participating college or university in Illinois assures transferring students that lower-division general education requirements for a bachelor's degree have been satisfied.

For more information, contact the Transfer Center at (618) 650-2133 or e-mail transfercredit@siue.edu. Additional information is available on the IAI website, itransfer.org.

Illinois Articulation Initiative General Education Core Requirements

Communication
3 courses (9 semester credits), including a two-course sequence in writing (6 semester credits, C grade required) and one course in oral communication (3 semester credits)

Mathematics
1 course (3 to 5 semester credits)

Physical and Life Sciences
2 courses (7 to 8 semester credits), with one course selected from the life sciences and one course from the physical sciences and including at least one laboratory course

Humanities and Fine Arts
3 courses (9 semester credits) with at least one course selected from humanities and at least one course from the fine arts

Social and Behavioral Sciences
3 courses (9 semester credits), with courses selected from at least two disciplines

Total: 12 to 13 courses (37 to 41 semester credits)

Officers of the University

SIU Board of Trustees (Hometown / Term Expiration)

- J. Phil Gilbert, Chair (Carbondale / 2027)
- Ed Hightower, Vice Chair (Edwardsville / 2031)
- Sara Salger, Secretary (Columbia / 2027)
- Ed Curtis (Springfield / 2031)
- John Simmons (East Alton / 2029)
- Tonette "Toni" Williams (Chicago / 2031)
- Deborah Barnett (Lake of Egypt/ 2031)
- Hannah Connolly, Student Trustee (Carbondale / 2025)
- Moayad Abuzaneh, Student Trustee (Edwardsville / 2025)

Officers of Administration Southern Illinois University, Office of the President

- Daniel F. Mahony, President
- Sheila Caldwell, Vice President for Antiracism, Diversity, Equity and Inclusion and Chief Diversity Officer
- John Charles, Executive Director of Governmental & Public Affairs
- Lucas D. Crater, General Counsel
- Gireesh Gupchup, Vice President for Academic Innovation, Planning, and Partnerships
- Jamie Grapperhaus, Interim Director Internal Audit
- Rob Patino, Executive Director Office of Technology Management & Industry Relations
- Duane Stucky, Senior Vice President for Financial & Administrative Affairs and Board Treasurer

Southern Illinois University Edwardsville

- James T. Minor, Chancellor
- P. Denise Cobb, Provost and Vice Chancellor for Academic Affairs
- Joe LaTaille, Vice Chancellor for Finance and Administration
- Jessica Harris, Vice Chancellor for Antiracism, Diversity, Equity and Inclusion
- Miriam Roccia, Vice Chancellor for Student Affairs
- Connie Collins, Vice Chancellor for University Advancement
- Andrew Gavin, Vice Chancellor for Athletics
- Kevin Wathen, Interim Vice Chancellor for Enrollment Management
- Paula Bridges, Executive Director for Marketing & Communications

Faculty

Accounting

Brant, Steven, Tier II Instructor
MS, 1979, Illinois State University

Carver, M., Emeritus Professor
PHD, 1980, University Of Missouri-Columbia

Costigan, Michael, Emeritus Professor
PHD, 1985, St Louis University

Dussold, Amanda, Instructor
MSA, 2018, Southern Illinois University Edwardsville

Gross, Andrew, Chair/Professor
PHD, 2010, University Of Arkansas Fayetteville

Hirsch, Maurice, Emeritus Professor
PHD, 1977, Washington University

Hoelscher, Jamie, Professor

PHD, 2013, University Of Nebraska Lincoln

King, Thomas, Emeritus Professor
PHD, 1973, University Of California-Los Angeles

Lovata, Linda, Emerita Professor
PHD, 1983, Indiana University-Bloomington

Mi, Danya, Assistant Professor
PHD, 2021, Georgia State University

Ortegren, Marc, Associate Professor
PHD, 2010, Texas Tech University

Ortegren, Alan, Emeritus Professor
PHD, 1982, University Of Arkansas

Reed, Bradford, Professor
PHD, 1995, University Of Arizona

Sierra, Gregory, Professor
PHD, 2004, Washington University

Song, Xiaoxiao, Associate Professor
PHD, 2017, University Of Texas Arlington

Anthropology

Frisbie, Charlotte, Emerita Professor
PHD, 1970, University Of New Mexico

Huddleston, Chad, Tier II Instructor
PHD, 2009, University Of Canterbury

Kooiman, Susan, Associate Professor
PHD, 2018, Michigan State University

Lorenzini, Michele, Tier II Instructor
MA, 1998, University of Illinois Urbana-Champaign

Lutz, Nancy, Associate Professor
PHD, 1986, University California Berkeley

Pelch, Taryn, Tier I Instructor
MA, 2006, Southern Illinois University Carbondale

Ragsdale, Corey, Chair/Associate Professor
PHD, 2015, University New Mexico Albuquerque

Wamalwa, Kevin, Assistant Professor
PHD, 2024, Universities Of Wisconsin Colleges

Willmott, Cory, Emerita Professor
PHD, 2001, Mcmaster University

Zimmermann, Julie, Professor
PHD, 2000, New York University

Applied Communication Studies

Alexander, Alicia, Professor
PHD, 2004, The University of Texas at Austin

Batson, Stephanie, Tier I Instructor
MS, 2005, North Carolina State University

Bumpers, Komie, Tier II Instructor
MA, 2000, Southern Illinois University Edwardsville

Cheah, Wai, Professor
PHD, 2004, University Of Kentucky

DeGroot Brown, Jocelyn, Professor
PHD, 2009, Ohio University

Graebe, Annette, Emerita Asc Professor
MAST, 1964, Southern Illinois University Carbondale

Liu, Min, Professor
PHD, 2006, North Dakota State University

McClearey, Kevin, Emeritus Professor
PHD, 1979, University Of Kansas

Munshaw, Joseph, Emeritus Professor
PHD, 1972, University Of Missouri-Columbia

Nastasia, Sorin, Associate Professor
PHD, 2010, University North Dakota Grand Forks

Owino, Diane, Tier II Instructor
MA, 2006, Southern Illinois University Edwardsville

Perkins, Laura, Emerita Professor
PHD, 1989, University of Missouri-Kansas City

Sellnow-Richmond, Scott, Assistant Professor
PHD, 2015, Wayne State University

Sellnow-Richmond, Deborah, Associate Professor
PHD, 2016, Wayne State University

Skelly, Caroline, Tier I Instructor
MA, 2011, Southern Illinois University Edwardsville

Sonderegger, Lacey, Tier I Instructor

MA, 2009, Southern Illinois University Edwardsville

Valley, David, Emeritus Professor
PHD, 1972, University of Illinois Urbana-Champaign

VanSlette, Sarah, Professor
PHD, 2006, Purdue University West Lafayette

Wrobbel, Eric, Chair/Professor
PHD, 1994, The University of Texas at Austin

Art and Design

Alcayaga, Claudia, Instructor
MFA, 2021, Texas A&M University Commerce

Clinger, Aimee, Associate Professor
MFA, 2009, University Of Kansas

Cooper, Ivy, Emerita Professor
PHD, 1997, University Pittsburgh

Decoteau, Pamela, Emerita Professor
PHD, 1975, University Of Wisconsin-Madison

Denhouter, John, Professor
MFA, 1984, University Of Michigan Ann Arbor

Dimick, Brigham, Professor
MFA, 1991, Indiana University Bloomington

Duhigg, Thad, Professor
MFA, 1989, Syracuse University

Ehrlich, Martha, Emerita Asc Professor
PHD, 1981, Indiana University Bloomington

George, Jayashree, Associate Professor
DA, 2000, New York University

Goebl-Parker, E., Associate Professor
MSW, 1991, Washington University

Hepner, Abbey, Associate Professor
MFA, 2016, University New Mexico Albuquerque

Holder, Danny, Tier I Instructor
MFA, 1987, Southern Illinois University Edwardsville

Horvath, Ryan, Tier I Instructor
MFA, 2012, Southern Illinois University Edwardsville

LaFond, Larry, Chair/Professor
PHD, 2001, University South Carolina Columbia

Myers, Paulette, Emerita Professor
MFA, 1973, Washington University

Nwacha, Barbara, Professor
MFA, 1996, University Iowa

Page, Joseph, Associate Professor
MFA, 2008, Alfred University

Park, Sangsook, Professor
EDD, 2004, University of Illinois Urbana-Champaign

Poole-Jones, Katherine, Professor
PHD, 2007, Rutgers State University

Ringering, Dennis, Emeritus Professor
MFA, 1970, University Of Colorado Boulder

Robb, Megan, Professor
MA, 2002, George Washington University

Strand, Laura, Professor
MFA, 1993, University Of Kansas

Stumbras, Michael, Assistant Professor
MFA, 2017, Louisiana State University Baton Rouge

Weber, Joseph, Emeritus Professor
PHD, 1983, St Louis University

Whetstone, Rodrick, Assistant Professor
MFA, 2012, University Iowa

Biological Sciences

Altmansberger, Tricia, Instructor
MD, 2006, St Louis University Missouri

Anderson, Thomas, Assistant Professor
PHD, 2016, University Of Missouri Columbia

Aranda, Maurina, Associate Professor
PHD, 2018, Purdue University West Lafayette

Brunkow, Paul, Associate Professor
PHD, 1996, Arizona State University

Butts-Wilmsmeyer, Carolyn, Director/Associate Professor
PHD, 2016, University of Illinois Urbana-Champaign

DiSalvo, Susanne, Associate Professor
PHD, 2012, Brown University

Durbin, Catherine, Tier II Instructor
MS, 2003, Southern Illinois University Edwardsville

Eder, Douglas, Emeritus Asc Professor
PHD, 1973, Florida State University

Esselman, Elizabeth, Professor
PHD, 1996, Ohio State University Columbus

Essner Jr., Richard, Professor
PHD, 2003, Ohio University

Fowler, Thomas, Associate Professor
PHD, 1993, Ohio State University Columbus

Kassebaum, Bethany, Tier I Instructor
MAT, 2010, Southern Illinois University Edwardsville

Keating, Richard, Emeritus Professor
PHD, 1965, University of Cincinnati

Kitz, Dennis, Emeritus Professor
PHD, 1980, University Of Iowa

Kohn, Luci, Emerita Professor
PHD, 1989, University Of Wisconsin-Madison

Krajniak, Kevin, Professor
PHD, 1990, University Of Florida

Lee, Danielle, Associate Professor
PHD, 2010, University Of Missouri St Louis

Liebl, Faith, Professor
PHD, 2005, University Of Illinois Chicago

Lin, Zhiqing, Distinguished Rsch Professor
PHD, 1996, McGill University

Luesse, Darron, Professor
PHD, 2006, Indiana University Bloomington

Lyon, Maximilian, Instructor
PHD, 2023, Washington University

McCommas, Steven, Emeritus Professor
PHD, 1982, University Of Houston

McCracken, Vance, Dean, Asc/Professor
PHD, 2001, University of Illinois Urbana-Champaign

Minchin, Peter, Emeritus Professor
PHD, 1984, University Of Tasmania

Parker, Nancy, Emerita Asc Professor
PHD, 1965, University Of Texas - Austin

Peterson, Brittany, Associate Professor
PHD, 2016, Purdue University West Lafayette

Petruccelli, Emily, Associate Professor
PHD, 2015, University Iowa

Retzlaff, William, Provost, Asc/Distinguished Rsch Professor
PHD, 1987, Clemson University

Schulz, Kurt, Emeritus Professor
PHD, 1991, University Of Wisconsin-Madison

Simmons, Christine, Tier II Instructor
MS, 2004, St Louis University Missouri

Theodorakis, Christopher, Professor
PHD, 1994, University Of Tennessee Knoxville

Williams, Jason, Chair/Associate Professor
PHD, 2005, Miami University

Winn, Amy, Associate Professor
PHD, 2009, University Of Wisconsin Madison

Wright, Jessica, Tier I Instructor
MS, 2015, Southern Illinois University Edwardsville

Yoon, Kyong-Sup, Associate Professor
PHD, 2006, University Of Massachusetts Amherst

Chemistry

Bryan, Virginia, Emerita Professor
PHD, 1968, University Of Minnesota-Twin Cities

De Meo, Cristina, Professor
PHD, 2001, University Of Georgia

Dixon, Robert, Professor
PHD, 1993, University Pittsburgh

Durantini, Andres, Assistant Professor
PHD, 2013, National Universityersity of Rio Cuarto

Finger, Richard, Tier I Instructor
PHD, 2011, St Louis University Missouri

Ghosh, Debanjana, Assistant Professor
PHD, 2012, Jadavpur University

Holovics, Thomas, Tier II Instructor
PHD, 2007, University Of Kansas

Hunsley, James, Emeritus Ast Professor
PHD, 1970, Michigan State University

Jones, Myron, Associate Professor
PHD, 2010, University Of Oklahoma

Lu, Yun, Distinguished Rsch Professor
PHD, 1996, Nankai University

Luesse, Sarah, Professor
PHD, 2004, Indiana University Bloomington

McClure, James, Emeritus Asc Professor
PHD, 1978, University Of Missouri-Columbia

Miller, Lynne, Tier II Instructor
PHD, 2005, University of Illinois Urbana-Champaign

Navarre, Edward, Professor
PHD, 2002, University Of Vermont

Norcio, Lawrence, Tier II Instructor
PHD, 1999, West Virginia University Morgantown

O'Brien, Leah, Emerita Distinguished Res Prof
PHD, 1987, University Of Arizona

Shabestary, Nahid, Emerita Professor
PHD, 1984, Michigan State University

Shaw, Michael, Chair/Distinguished Rsch Professor
PHD, 1993, University Of British Columbia

Spudich, Jr., Thomas, Director/Professor
PHD, 1999, Northern Illinois University

Sumita, Mina, Associate Professor
PHD, 2006, Wayne State University

Tucker, Kevin, Associate Professor
PHD, 2011, University of Illinois Urbana-Champaign

Vadlani, Praveen, Director/Professor
PHD, 1995, Mangalore University

Voss, Eric, Chair/Professor
PHD, 1992, Northwestern University

Wei, Chin-Chuan, Professor
PHD, 1998, City University Of New York

Wiediger, Susan, Professor
PHD, 1999, Rice University

Civil Engr

Ardis, Colby, Emeritus Professor
PHD, 1972, University Of Wisconsin-Madison

Bengtson, Harlan, Emeritus Professor
PHD, 1971, University Of Colorado Boulder

Benjankar, Rohan, Associate Professor
PHD, 2009, University Of Idaho

Cross, Wm, Emeritus Professor
PHD, 1992, Johns Hopkins University

Elsisi, Alaaeldin, Assistant Professor
PHD, 2017, University Of Missouri Columbia

Fries, Ryan, Professor
PHD, 2007, Clemson University

Hanna, Steven, Emeritus Professor
PHD, 1968, Purdue University

Huang, Jianwei, Professor
PHD, 2010, Syracuse University

Korn, Alfred, Emeritus Professor
PHD, 1967, Washington University

Lin, Chiang, Emeritus Professor
PHD, 1984, University Of Kentucky

Morgan, Susan, Emerita Professor
PHD, 1995, Clemson University

Osouli, Abdolreza, Professor
PHD, 2010, University of Illinois Urbana-Champaign

Panahshahi, Nader, Chair/Professor
PHD, 1987, Cornell University

Pierce, Rex, Emeritus Instructor
MBA, 1987, Southern Illinois University Edwardsville

Qi, Yan, Professor
PHD, 2010, Louisiana State University Baton Rouge

Rossow, Mark, Emeritus Professor
PHD, 1973, University Of Michigan-Ann Arbor

Sherrill, David, Tier II Instructor
BACH, 1979, Morrison Institute Technology

Ullah, Saad, Assistant Professor
PHD, 2018, George Mason University

Zhou, Jianpeng, Professor
PHD, 2003, University Of British Columbia

Comp Mgt and Info Sys

Bock, Douglas, Emeritus Professor
PHD, 1987, Indiana University-Bloomington

Bordoloi, Bijoy, Emeritus Professor
PHD, 1988, Indiana University-Bloomington

Collier, Cassandra, Assistant Professor
PHD, 2021, University Of Houston

Hansel, Walter, Emeritus Asc Professor
PHD, 1983, Southern Illinois University Carbondale

Jacks, Tim, Professor
PHD, 2012, University Of North Carolina Greensboro

Klepper, Robert, Emeritus Professor
PHD, 1973, University Of Chicago

Kolte, Prajakta, Assistant Professor
PHD, 2022, University Of Memphis

LaFreniere, Jill, Tier II Instructor
MS, 2014, Southern Illinois University Edwardsville

Leone, Don, Instructor
MS, 2003, Southern Illinois University Edwardsville

Macharia, Mary, Associate Professor
PHD, 2018, University Of Arkansas Fayetteville

Moore, Jo, Emerita Professor
PHD, 1997, Indiana University-Bloomington

Nauroth, Markus, Assistant Professor
PHD, 2019, Tech University of Munich

Patsloff, Patricia, Emerita Professor
EDD, 1967, University Of Michigan-Ann Arbor

Powell, Anne, Professor
PHD, 2000, Indiana University Bloomington

Schrage, John, Emeritus Asc Professor
PHD, 1978, Michigan State University

Schultheis, Robert, Emeritus Professor
PHD, 1966, Indiana University-Bloomington

Seger, Carol, Tier I Instructor
MBA, 1990, Southern Illinois University Edwardsville

Singh, Shivendu Pratap, Assistant Professor
PHD, 2020, University Pittsburgh

Sumner, Mary, Emerita Professor
EDD, 1977, Rutgers State University-New Brunswick

Vithayathil, Joseph, Associate Professor
PHD, 2013, University of California Irvine

Werner, David, Emeritus Chancellor
PHD, 1969, Northwestern University

Williams, Clay, Chair/Professor
PHD, 2007, University Of Georgia

Yager, Susan, Emerita Professor
PHD, 1998, University Of North Texas

Computer Science

Crk, Igor, Associate Professor
PHD, 2010, University Of Arizona

Das, Manas, Assistant Professor
PHD, 2020, Gauhati University

Ercal, Gunes, Professor
PHD, 2008, University Of California Los Angeles

Fujinoki, Hiroshi, Professor
PHD, 2001, University South Florida

Gamage, Thoshitha, Associate Professor
PHD, 2011, Missouri University Science And Tech

Grim, William, Instructor
MS, 2007, Southern Illinois University Edwardsville

Gultepe, Eren, Associate Professor
PHD, 2018, University Of Ontario Institute Of

Technology

Hattemer, Jimmie, Emeritus Professor
PHD, 1964, Washington University

Klein, Steven, Tier II Instructor
MS, 1999, Southern Illinois University Edwardsville

Livingston, Marilynn, Emerita Professor
PHD, 1966, University Of Alberta

Matta, John, Associate Professor
PHD, 2018, Southern Illinois University Carbondale

McKenney, Mark, Professor
PHD, 2008, University Of Florida

Quinones, Rubi, Assistant Professor
PHD, 2022, University Of Nebraska Lincoln

Waxman, Bernard, Emeritus Professor
SCD, 1989, Washington University

Weinberg, Jerry, Emeritus Dean
PHD, 1996, Vanderbilt University

Witsken, Gavin, Instructor
MS, Southern Illinois University Edwardsville

Yu, Xudong, Associate Professor
PHD, 2000, Vanderbilt University

Construction

Bodapati, Surya, Emeritus Professor
PHD, 1969, Univ Of Manchester

Cabage, John, Chair/Associate Professor
PHD, 2014, University Of Tennessee Knoxville

Duda, Stephen, Tier I Instructor
MSE, 1988, University Of Dayton

Gordon, Christopher, Dean, Asc/Professor
PHD, 2006, Carnegie Mellon University

Grinter, Mark, Emeritus Asc Professor
MS, 2008, Southern Illinois University Edwardsville

Pocreva, Robert, Emeritus Asc Professor
MAST, 1966, Auburn University

Sherrill, David, Tier II Instructor
BACH, 1979, Morrison Institute Technology

Snell, Luke, Emeritus Professor
MS, 1970, University Of Oklahoma

Tayeh, Ralph, Assistant Professor
PHD, 2021, University Of Florida

Werner, Anne, Associate Professor
PHD, 2004, University of Illinois Urbana-Champaign

Yuan, Chenxi, Associate Professor
PHD, 2018, Purdue University West Lafayette

Criminal Justice Studies

Cannon, Kevin, Chair/Professor
PHD, 2001, University Nebraska Omaha

Cousert, Rachel, Tier I Instructor
MS, 2006, University Cincinnati

Dirks-Linhorst, P., Emerita Professor
PHD, 2003, University of Missouri-Kansas City

Gorislavsky, Ekaterina, Associate Professor
PHD, 2014, University Of Missouri St Louis

Heil, Erin, Professor
PHD, 2008, University Of Illinois Chicago

Mares, Dennis, Director/Professor
PHD, 2004, University Of Missouri St Louis

Oberweis, Tricia, Professor
PHD, 1999, Arizona State University

Petrocelli, Matthew, Professor
PHD, 1997, Arizona State University

Shimer, Mary, Instructor
MA, 2011, University Of Missouri St Louis

Dental Med, School of

Akhras, Amir, Clinical Ast Professor
DMD, 2022, University Of Illinois Chicago

Al Khatib, Feras, Director/Clinical Ast Professor
DDS, 2000, Damascus University

Back, Brian, Clinical Ast Professor
DMD, 2008, Southern Illinois University-Dental

Medicine

Banker, Jeffrey, Clinical Ast Professor
CPROST, 1992, University Of Missouri Kansas City

Blackwell, Robert, Chair/Clinical Professor
DDS, 1983, University Of Illinois Chicago

Bryant, Keith, Clinical Asc Professor
DDS, 1994, Southern Illinois University Edwardsville

Buerk, Bethel, Clinical Ast Professor
DMD, 1992, Southern Illinois University-Dental Medicine

Butts Wiegand, Heidi, Clinical Ast Professor
DMD, 1992, Southern Illinois University-Dental Medicine

Cajigal, Steven, Clinical Ast Professor
DDS, 2002, Creighton University

Calaway-Habeck, Ronald, Clinical Ast Professor
DMD, 2005, Southern Illinois University-Dental Medicine

Caldieraro III, John, Clinical Ast Professor
DMD, 2008, Southern Illinois University Edwardsville

Carter, Kathryn, Assistant Professor
EDD, 2023, A T Still University

Clark, Darlene, Clinical Asc Professor
DMD, 1989, Southern Illinois University-Dental Medicine

Crews, Tyler, Clinical Ast Professor
DMD, 2013, Southern Illinois University-Dental Medicine

Davila, Andres, Assistant Professor
DMD, 2019, Southern Illinois University-Dental Medicine

Dawson, Patrick, Clinical Professor
DOSTE, 2001, Midwestern University

De Maria, Alicia, Assistant Professor
PHD, 2002, University Of The Republic

Declue, James, Emeritus Asc Professor
PHD, 1974, University Of Missouri-Columbia

del Moral, Brenda, Associate Professor
PHD, 2006, Oregon Health And Science Univ

Dickey, Keith, Emeritus Asc Professor
DDS, 1974, Indiana University-Purdue

Dixon, Debra, Professor
DMD, 1993, Southern Illinois University-Dental Medicine

Dooley, Morgan, Clinical Asc Professor
DDS, 2012, University Of Missouri Kansas City

Douglas, Robert, Dean, Asc/Professor
DMD, 1989, University Of Manitoba

Drukteinis, Saulius, Dean/Professor
PHD, 2012, University Of Alabama Birmingham

Duncan, Randall, Chair/Clinical Asc Professor
CPROST, 1988, University Texas San Antonio

Eilerman, Abigail, Clinical Ast Professor
DPHAR, 2013, Southern Illinois University-Dental Medicine

El-Daibani, Amira, Clinical Ast Professor
DMD, 2024, Southern Illinois University-Dental Medicine

Emery, Robert, Clinical Ast Professor
DDS, 1985, University Of Missouri Kansas City

Evans, Keith, Clinical Ast Professor
DMD, 2001, Southern Illinois University-Dental Medicine

Faddis, Michael, Clinical Ast Professor
DDS, 1979, University Of Missouri Kansas City

Fischer, Gary, Emeritus Clinical Professor
DMD, 1982, Southern Illinois University Edwardsville

Fosha, Christina, Clinical Instructor
BS, 2021, Greenville University

Froemling, Robert, Emeritus Ast Professor
DDS, 2000, University of Illinois Urbana-Champaign

Garcia, Nathalia, Dean, Ast/Professor
EDS, 1997, Pontificia Univ Javeriana

Gay, Isabel, Clinical Asc Professor
MS, 2007, University Of Alabama Birmingham

Gkikas, Ioannis, Clinical Ast Professor
DDS, 1999, Nat And Kapodistrian University Of Athens

Goebel, William, Emeritus Professor
MS, 1974, Indiana University-Purdue

Gruender, Bret, Clinical Asc Professor
DMD, 1986, Southern Illinois University-Dental Medicine

Habibi, Natalia, Clinical Ast Professor
DMD, 2016, Southern Illinois University Edwardsville

Habibi, Tara, Clinical Ast Professor
PM, 2022, Southern Illinois University-Dental Medicine

Hanser, Katherine, Director/Assistant Professor
DMD, 2018, Southern Illinois University-Dental Medicine

Hatton, John, Emeritus Professor
DMD, 1982, Southern Illinois University Edwardsville

Highsmith, Sandra, Clinical Ast Professor
DMD, 1983, Southern Illinois University-Dental Medicine

Hoffman, Steven, Clinical Asc Professor
DMD, 1982, Southern Illinois University-Dental Medicine

Hood-Olson, Ava, Clinical Ast Professor
DMD, 2006, Southern Illinois University-Dental Medicine

Hopp, Christa, Dean, Asc/Associate Professor
DMD, 2003, Southern Illinois University-Dental Medicine

Huynh, Johnny, Clinical Ast Professor
DDS, 2017, University Of California Los Angeles

Jain, Rajneesh, Clinical Asc Professor
DMD, 1984, All India Institute Of Medical Sciences

Jenkins, David, Emeritus Asc Professor
PHD, 1975, Penn State University

Jones, Alyssa, Clinical Instructor
BS, 2023, Greenville University

Ketteman, Daniel, Clinical Asc Professor
DDS, 1981, University Of Missouri Kansas City

Knobeloch, Dennis, Clinical Asc Professor
DMD, 1991, Southern Illinois University-Dental Medicine

Kosten, Kathryn, Clinical Ast Professor
DMD, 2009, Southern Illinois University-Dental Medicine

Kytridou, Vasiliki, Associate Professor
DDS, 1995, Nat And Kapodistrian University Of Athens

Land, Martin, Emeritus Professor
MAST, 1978, Indiana University-Purdue

Lask, Michael, Clinical Ast Professor
DMD, 2007, Southern Illinois University-Dental Medicine

LeDoux, Gerard, Clinical Ast Professor
DDS, 1965, St Louis University Missouri

Longos, Cathy, Clinical Ast Professor
DMD, 1989, Southern Illinois University-Dental Medicine

Marincel, John, Clinical Ast Professor
DDS, 1980, University Of Missouri Kansas City

Martinez, Norman, Emeritus Professor
MEDUC, 1975, Marquette University

Mathai, Nevin, Clinical Ast Professor
DMD, 2019, Southern Illinois University-Dental Medicine

Mathus, James, Clinical Ast Professor
DMD, 1986, Southern Illinois University-Dental Medicine

McCracken, Barbara, Dean, Ast/Associate Professor
PHD, 1998, University of Illinois Urbana-Champaign

Miley, Douglas, Emeritus Clinical Professor
DMD, 2000, Southern Illinois University Edwardsville

Misischia, Arthur, Clinical Professor
DMD, 1978, Washington University

Murthy, Gargi Srinivasa, Associate Professor
MDS, 2007, Bangalore Universtiy

Nelson, Thomas, Emeritus Professor
PHD, 2000, University Of Southern California

Omran-Alfaituori, Mohamedtarek, Director/Professor
MS, 2012, St Louis University Missouri

Otsuka, Allen, Emeritus Asc Professor
PHD, 1978, University Of California-San Diego

Pacheco Yanes, Juan, Assistant Professor
DDS, 1994, Universidad Central Venezuela

Pedraza, Magnolia, Clinical Ast Professor
DMD, 1991, Southern Illinois University-Dental Medicine

Pierson, David, Clinical Ast Professor
DMD, 1990, Southern Illinois University-Dental Medicine

Poeschl, Charles, Emeritus Ast Professor
DDS, 1980, University of Missouri-Kansas City

Rapini, Jennifer, Clinical Ast Professor
DDS, 2010, University Of Missouri Kansas City

Rawson, Kenneth, Professor
DMD, 2005, Southern Illinois University-Dental Medicine

Reed, Donald, Assistant Professor
MS, 2011, Southern Illinois University Carbondale

Rieken, Susan, Clinical Asc Professor
DMD, 1995, Southern Illinois University-Dental Medicine

Roller, Neal, Emeritus Professor
MS, 1975, University of Missouri-Kansas City

Rotter, Bruce, Emeritus Dean
MS, 1993, University Of Iowa

Savoca, Dennis, Emeritus Asc Professor
DDS, 1969, Ohio State University

Scanlon, Brittany, Clinical Ast Professor
DMD, 2016, Southern Illinois University Edwardsville

Schlott, Benjamin, Clinical Ast Professor
DMD, 2004, Southern Illinois University-Dental Medicine

Schmidt, James, Clinical Ast Professor
DDS, 1982, Northwestern University-Chicago

Schuette, Jacob, Clinical Ast Professor
DMD, 2008, Southern Illinois University-Dental Medicine

Schultz, Todd, Clinical Ast Professor
DMD, 2008, Southern Illinois University-Dental Medicine

Schwenk, Debra, Emerita Ast Professor
DMD, 1985, Southern Illinois University Edwardsville

Seaton, William, Clinical Professor
DDS, 1982, University Of Missouri Kansas City

Shafer, Kathy, Clinical Ast Professor
DMD, 1988, Southern Illinois University Edwardsville

Shea, Joseph, Clinical Ast Professor
MS, 1989, University Of Michigan Ann Arbor

Sotiropoulos, Thomas, Chair/Clinical Ast Professor
DMD, 1987, Loyola University Of Chicago

Speer, Marvin, Director/Clinical Professor
DDS, 1972, Loyola University Chicago

Steinhauer, Tad, Associate Professor
DMD, 1999, Southern Illinois University Edwardsville

Stewart, Gregory, Emeritus Professor
PHD, 1975, University Of Texas - Austin

Terrill, Jamie, Clinical Ast Professor
DMD, 2020, Southern Illinois University-Dental Medicine

Thomas, Cornell, Emeritus Asc Professor
DDS, 1978, University of Missouri-Kansas City

Turbush, Matthew, Clinical Ast Professor
DDS, 2010, State University Of New York College At Buffalo

Upadhyaya, Jasbir, Associate Professor
PHD, 2015, University Of Manitoba

Upadhyaya, Atul, Clinical Ast Professor
BDS, 1996, Magadh University

Utreja, Manita, Clinical Ast Professor
DMD, Southern Illinois University-Dental Medicine

Utreja, Achint, Chair/Professor
PHD, 2014, University Of Connecticut

Van Putte, Robb, Clinical Professor
PHD, 1998, Texas A&M Univ Kingsville

VanPutte, Cinnamon, Associate Professor
PHD, 1998, Texas A&M University

Verma, Minaal, Assistant Professor
DDS, 2017, University of Detroit Mercy

Weber, Mary, Clinical Ast Professor
DMD, 1996, Southern Illinois University-Dental Medicine

Whitener, Sara, Clinical Asc Professor
DDS, 1991, Northwestern University

Wickenhauser, Alan, Assistant Professor
DMD, 1998, Southern Illinois University-Dental Medicine

Woodlock, Daniel, Clinical Asc Professor
DDS, 1980, Loyola University Chicago

Economics and Finance

Agyeman-Duodu, David, Assistant Professor
PHD, 2024, University Of Mississippi

Ault, David, Emeritus Professor
PHD, 1969, University of Illinois Urbana-Champaign

Belasen, Ariel, Chair/Professor
PHD, 2007, Suny Binghamton

Bharati, Rakesh, Professor
PHD, 1991, Indiana University Bloomington

Demirer, Riza, Distinguished Rsch Professor
PHD, 2003, University Of Kansas

Edmonds, Radcliffe, Emeritus Asc Professor
PHD, 1979, University Of Michigan-Ann Arbor

Elliott, Donald, Emeritus Professor
PHD, 1976, University Of Minnesota-Twin Cities

Jategaonkar, Shrikant, Professor
PHD, 2009, University Of Arizona

Jia, Jingyi, Professor
PHD, 2006, Temple University

Kutan, Ali, Emeritus Professor
PHD, 1990, Arizona State Universityersity

Levin, Stanford, Emeritus Professor
PHD, 1974, University Of Michigan-Ann Arbor

Lin, An-Yhi, Emeritus Professor
PHD, 1967, Iowa State University

Meisel, John, Emeritus Professor
PHD, 1978, Boston College

Pettit, Mary, Emerita Instructor
MA, 2000, University Of Tennessee Knoxville

Richards, Warren, Tier II Instructor
MS, 1995, Southern Illinois University Edwardsville

Sullivan, Timothy, Tier II Instructor
PHD, 1995, University Of Maryland

Tracey, Marlon, Associate Professor
PHD, 2016, Suny Binghamton

Wolff, Laura, Tier II Instructor
MA, 2000, University Of Missouri Columbia

Yang, Xueqing, Assistant Professor
PHD, 2025, University Of Miami

Educ Leadership

Andris, James, Emeritus Professor
PHD, 1974, Indiana University-Bloomington

Burcky, William, Emeritus Professor
PHD, 1971, St Louis University

Fine, Cherese, Assistant Professor
PHD, 2015, Clemson University

Hall, Candace, Assistant Professor
EDD, 2020, Maryville University St Louis

Holt, Janet, Emerita Professor
PHD, 1994, Southern Illinois University Carbondale

Houston, Derek, Associate Professor
PHD, 2016, University of Illinois Urbana-Champaign

Hughes, Robin, Dean/Professor
PHD, 2001, Texas A&M University

Hull, Gary, Emeritus Professor
PHD, 1972, Michigan State University

Hunt, John, Emeritus Asc Professor
PHD, 1977, Southern Illinois University Carbondale

Knowlton, David, Professor
EDD, 1998, University Of Memphis

Lewis, Leigh, Instructor
SD, Southern Illinois University Edwardsville

Liu, Yuliang, Professor
PHD, 2000, Texas A&M University Commerce

Logue, Jennifer, Professor
PHD, 2009, University of Illinois Urbana-Champaign

Marianno, Latrice, Assistant Professor
PHD, 2024, University Of Delaware

Minor, James, Chancellor/Professor
PHD, 2001, University Of Wisconsin Madison

Morice, Linda, Emerita Professor
PHD, 1992, St Louis University

Nancy, Bitner, Instructor
EDD, 2022, Western Illinois University

Nelson, Wayne, Emeritus Professor
EDD, 1989, Virginia Tech

Popp, Jerome, Emeritus Professor
PHD, 1970, Indiana University-Bloomington

Puchner, Laurel, Emerita Professor
PHD, 1998, University Of Pennsylvania

Reeves, Alison, Dean, Asc/Associate Professor
PHD, 2006, University Of Arizona

Richards-Ellsworth, Rosanda, Emerita Asc Professor
PHD, 1970, University Of Wisconsin-Madison

Schusky, Mary, Emerita Ast Professor
MLS, 1962, University of Illinois Urbana-Champaign

Slater, Graham, Associate Professor
PHD, 2018, University Of Utah

Smith, Curtis, Emeritus Professor
PHD, 1985, Ohio State University

Snipes, Jeremy, Chair/Associate Professor
PHD, 2017, Indiana University Bloomington

Staci, Oliver, Instructor
MS, 2004, Southern Illinois University Edwardsville

Theodore, Peter, Emeritus Asc Professor
PHD, 2001, St Louis University

Thomeczek, Melissa, Associate Professor
PHD, 2002, Indiana State University

Van Tuyle, Vicki, Emerita Asc Professor
EDD, 2008, Western Illinois University

Yu, Tianlong, Professor
EDD, 2002, Suny Binghamton

Elec and Computer Engr

Alkin, Oktay, Emeritus Professor
PHD, 1986, University Of Alabama

Chen, Jen-Shiun, Emeritus Professor
PHD, 1983, Ohio State University

Engel, George, Emeritus Professor
SCD, 1990, Washington University

Godhwani, Arjun, Emeritus Professor
PHD, 1972, University Of Arkansas

Hossain, Mousam, Assistant Professor
PHD, 2024, Univ Central Florida

Kaur, Amardeep, Associate Professor
PHD, 2014, Missouri University Science And Tech

Klingensmith, Jon, Chair/Associate Professor
PHD, 2003, Case Western Reserve Univ

Leander, Robert, Associate Professor
PHD, 2002, University Of Illinois Chicago

Lozowski, Andrzej, Professor
PHD, 1999, University Louisville

Noble, Bradley, Emeritus Professor
SCD, 2000, Washington University

Sakib, Ashiq, Assistant Professor
PHD, 2019, North Dakota State University

Smith, Scott, Emeritus Professor
PHD, 1991, University of Illinois Urbana-Champaign

Umbaugh, Scott, Emeritus Distinguished Res Prf
PHD, 1989, Missouri Univ of Science Tech

Wang, Yadong, Associate Professor
PHD, 2010, University Of Oklahoma

York, Timothy, Associate Professor
DENGR, 2015, Washington University

Youn, Luis, Emeritus Professor
PHD, 1985, University Of Houston-Downtown Coll

English Lang and Lit

Aktuna, Seran, Professor
PHD, 1993, University Of Pennsylvania

Anderson, Jill, Professor
PHD, 2006, Michigan State University

Berger, Charles, Emeritus Professor
PHD, 1977, Yale University

Black, Margaret, Tier I Instructor
PHD, 2018, University Of Wisconsin Madison

Brooks, Tisha, Dean, Asc/Professor
PHD, 2013, Tufts University

Butler, David, Emeritus Asc Professor
PHD, 1972, St Louis University

Cali, Elizabeth, Dean, Asc/Associate Professor
PHD, 2014, University Texas San Antonio

Carter, Jeremiah, Instructor
PHD, 2024, University Alabama Tuscaloosa

Cleary, Adam, Tier II Instructor
MFA, 2005, University Of Missouri St Louis

Despain, Jessica, Director/Professor
PHD, 2008, University Iowa

Dye, Angel, Assistant Professor
MA, 2022, Rutgers State University

Edwards, Keith, Tier II Instructor
MA, 2008, Southern Illinois University Edwardsville

Farley, Alice, Emerita Professor
PHD, 1979, Brown University

Ferguson, Christy, Tier I Instructor
MA, Southern Illinois University Edwardsville

Funk, Allison, Emerita Distinguished Res Prof
MFA, 1978, Columbia University

Gerber, Lauren, Tier I Instructor
MA, 2011, Southern Illinois University Edwardsville

Gurfinkel, Helena, Professor
PHD, 2007, Tufts University

Hardman, Joel, Emeritus Professor
PHD, 1994, University Of Pennsylvania

Havens, Daniel, Emeritus Professor
PHD, 1965, University Of Michigan-Ann Arbor

Henderson, Brian, Associate Professor
PHD, 2010, University South Carolina Columbia

Hildebrandt, Kristine, Chair/Professor
PHD, 2003, University Of California Santa Barbara

Hutchins, Jessica, Instructor
PHD, 2014, Washington University

Ising, Daniel, Tier II Instructor
MA, 2009, Southern Illinois University Edwardsville

Johnson, Heather, Professor
PHD, 2008, Indiana University Bloomington

Johnson, Matthew, Professor
PHD, 2006, Indiana University Bloomington

Kryah, Joshua, Associate Professor
PHD, 2006, University Nevada Las Vegas

LaFond, Larry, Chair/Professor
PHD, 2001, University South Carolina Columbia

Laux, Jessi, Tier II Instructor
MA, 2007, Southern Illinois University Edwardsville

Memani, Lindani, Instructor
PHD, 2017, Southern Illinois University Carbondale

Meyering, Sheryl, Emerita Professor
PHD, 1986, Michigan State University

Pendergast, John, Professor
PHD, 1994, University Of Missouri Columbia

Ragen, Brian, Emeritus Professor
PHD, 1987, Princeton University

Ramaswamy, Anushiya, Professor
PHD, 1997, University Of Nevada Reno

Rambsy, Howard, Distinguished Rsch Professor
PHD, 2004, Pennsylvania State University

Ramon, Donavan, Associate Professor
PHD, 2015, Rutgers University

Redmond, Eugene, Emeritus Professor
MA, 1966, Washington University

Reed, Cindy, Assistant Professor
PHD, 2021, St Louis University Missouri

Richardson, Betty, Emerita Professor
PHD, 1968, University Of Nebraska At Lincolny

Ruff, Nancy, Professor
PHD, 1987, Princeton University

Savoie, John, Professor
PHD, 1998, Yale University

Schaefer, Ronald, Emeritus Distinguished Res Prf
PHD, 1980, University Of Kansas

Schmidt, Geoffrey, Emeritus Professor
MFA, 1990, University Of Alabama

Schmidt, Nicola, Tier II Instructor
MFA, 1992, University Alabama Tuscaloosa

Schoenknecht, Mark, Instructor
MA, 2013, University Massachusetts Boston

Skoblow, Jeffrey, Emeritus Professor
PHD, 1985, Johns Hopkins University

Smithson, Isaiah, Emeritus Professor
PHD, 1977, University Of California-Davis

Soderberg, Laura, Assistant Professor
PHD, 2012, University Of Pennsylvania

Springer, Carl, Emeritus Professor
PHD, 1984, University Of Wisconsin-Madison

Spurgeon, Dickie, Emeritus Professor
PHD, 1967, University of Illinois Urbana-Champaign

Steible, Mary, Emerita Instructor
MA, 1990, Southern Illinois University Edwardsville

Sutherland, Kimberly, Instructor
MA, 2020, Southern Illinois University Edwardsville

Vogrin, Valerie, Professor
MFA, 1991, University Alabama Tuscaloosa

Voller, John, Emeritus Professor
PHD, 1987, University Of California-San Diego

Wallace, Brian, Tier I Instructor
MA, 2017, Southern Illinois University Edwardsville

Yoder, Jennifer, Tier I Instructor
MA, Southern Illinois University Edwardsville

Envrmtl Sciences

Adegboyega, Nathaniel, Associate Professor
PHD, 2014, Florida Institute Of Technology

Guehlstorf, Nicholas, Professor
PHD, 2002, Purdue University West Lafayette

Kusi, Joseph, Assistant Professor
PHD, 2020, East Tennessee State Univ

Lin, Zhiqing, Distinguished Rsch Professor
PHD, 1996, McGill University

Locke, Sharon, Director/Professor
PHD, 1995, University Of Minnesota-Twin Cities

Martinez, Adriana, Chair/Associate Professor
PHD, 2013, University Of Oregon

Retzlaff, William, Provost, Asc/Distinguished Rsch Professor
PHD, 1987, Clemson University

Theodorakis, Christopher, Professor
PHD, 1994, University Of Tennessee

Yoon, Kyong-Sup, Associate Professor
PHD, 2006, University Of Massachusetts Amherst

Exercise, Sport & Nutr Science

Baker, John, Emeritus Professor
PHD, 1979, University Of Iowa

Carpenter, Sara, Emerita Lecturer
BA, 1950, Texas A & M-Kingsville

Cluphf, David, Professor
PHD, 1999, West Virginia University Morgantown

Covington, Kay, Emerita Asc Professor
PHD, 1986, Texas Woman's University

Ellis, Austin, Instructor
MAT, 2021, McKendree University

Gopalan, Chaya, Professor
PHD, 1988, University Of Glasgow

Guilford, Brianne, Professor
PHD, 2013, University Of Kansas

Inman, Cynthia, Tier II Instructor
MS, 1996, Texas A&M University

Kirk, Erik, Professor
PHD, 2004, University Of Kansas

Luedke, George, Emeritus Asc Professor
PHD, 1982, Indiana University-Bloomington

Moehn, Larry, Emeritus Ast Professor
MS, 1962, Indiana University-Bloomington

Mora, Katherine, Clinical Ast Professor
PHD, 2006, University Of Arizona

Ross-Stewart, Lindsay, Professor
PHD, 2009, University North Dakota Grand Forks

Sappington, Vera, Emerita Asc Professor
PHD, 1976, University Of Iowa

Smith, Bryan, Professor
PHD, 2002, University Of Missouri Columbia

Vanderbunt, Erin, Assistant Professor
MS, 1999, A T Still University

Webb, Benjamin, Associate Professor
PHD, 2014, Pennsylvania State Universityersity

Wooten, Joshua, Chair/Professor
PHD, 2008, Texas Womans University

Zuercher, Jennifer, Associate Professor
PHD, 2009, University Of North Carolina Chapel Hill

Fam Hth/Com Hth Nurs

Ampadu, Jerrica, Dean, Ast/Associate Professor
PHD, 2015, University Of Hawaii Manoa

Garner, Myjal, Director/Assistant Professor
DNP, 2021, Maryville University St Louis

Griffin, Valerie, Emerita Asc Professor
DNP, 2013, Maryville University St Louis

Imboden, Annie, Assistant Professor
DNP, 2019, University Alabama Tuscaloosa

Rowbotham, Melodie, Emerita Asc Professor
PHD, 2007, University Of Missouri-St Louis

Sobczak, Bernadette, Director/Associate Professor
DNP, 2017, Maryville University St Louis

Wittler, Ashley, Assistant Professor
DNP, 2021, Southern Illinois University Edwardsville

Foreign Lang and Lit

Bezhanova, Olga, Chair/Professor
PHD, 2008, Yale University

Carstens-Wickham, S., Emerita Professor
PHD, 1980, University Of North Carolina-Chapel Hill

Cuervo, Heidy, Associate Professor

PHD, 2013, Southern Illinois University Carbondale

Florido Berrocal, Joaquin, Associate Professor
PHD, 2009, Johns Hopkins U Undergrad Adm

Fonseca, Elizabeth, Emerita Asc Professor
PHD, 1982, University Of Iowa

Griffen, Toby, Emeritus Professor
PHD, 1975, University Of Florida

Lavallee, Thomas, Associate Professor
PHD, 2004, Washington University

Licon Oppenheimer, Jose, Tier I Instructor
PHD, 2016, Washington University

Mann, Joan, Emerita Professor
PHD, 1987, University Of Florida

Mushinsky, Tanya, Instructor
PHD, 2012, New York University

Pallemans, Geert, Emeritus Professor
PHD, 1992, Florida State University

Simms, Douglas, Professor
PHD, 2003, The University of Texas at Austin

Geography

Acheson, Gillian, Professor
PHD, 2003, Texas A&M University

Bagchi, Deipica, Emerita Professor
PHD, 1977, Oregon State University

Black, Alan, Associate Professor
PHD, 2015, University Of Georgia

Brown Amilian, Stacey, Chair/Professor
PHD, 2011, Oklahoma State University Stillwater

Clements, Donald, Emeritus Asc Professor
PHD, 1975, Southern Illinois University Carbondale

Grossman, Michael, Emeritus Professor
PHD, 2003, University Of Wisconsin-Madison

Hanlon, James, Associate Professor
PHD, 2008, University Of Kentucky

Hu, Shunfu, Professor
PHD, 1998, University Of Georgia

Hume, Susan, Professor
PHD, 2005, University Of Oregon

Li, Tianyu, Assistant Professor
PHD, 2017, Mississippi State University

Martinez, Adriana, Chair/Professor
PHD, 2013, University Of Oregon

McCarragher, Shannon, Associate Professor
PHD, 2015, Northern Illinois University

Mendelson, Robert, Emeritus Professor
MUP, 2000, University of Illinois Urbana-Champaign

Oettle, Susannah, Instructor
MS, 2024, Southern Illinois University Edwardsville

Pearson, Randall, Director/Professor
PHD, 1993, Indiana State University

Rahman, Sanoar, Assistant Professor
PHD, 2022, Purdue University West Lafayette

Shaw, Wendy, Emerita Professor
PHD, 1994, University Of Georgia

Thornton, Charles, Emeritus Professor
PHD, 1970, University Of Tennessee

Zhou, Bin, Emeritus Professor
PHD, 1994, University Of Georgia

History

Alexander, Erik, Chair/Associate Professor
PHD, 2011, University Of Virginia - Main Campus

Ayres, Patrick, Instructor
MA, 2019, Southern Illinois University Edwardsville

Cheeseboro, Anthony, Associate Professor
PHD, 1993, Michigan State University

Chen, Ching-Chih, Emeritus Professor
PHD, 1973, Harvard-Radcliffe

Fowler, Laura, Associate Professor
PHD, 2003, Loyola University Chicago

Frick, Carole, Professor

PHD, 1995, University Of California Los Angeles

Gallaher, John, Emeritus Professor
PHD, 1960, St Louis University

Hansen, Stephen, Emeritus Professor
PHD, 2000, University Of Illinois-Chicago

Harris, Jessica, Vice Chancellor/Associate Professor
PHD, 2011, Cornell University

Harrison, Victoria, Emerita Instructor
MA, 1991, Southern Illinois University Edwardsville

Hinz, Christienne, Emerita Professor
PHD, 2001, Ohio State University

Jack, Bryan, Professor
PHD, 2004, St Louis University Missouri

Jordan, Thomas, Coordinator/Associate Professor
PHD, 2000, University of Illinois Urbana-Champaign

Leonard, Kevin, Dean/Professor
PHD, 1992, University Of California Davis

Manuel, Jeffrey, Professor
PHD, 2009, University Of Minnesota Minneapolis

McClinton, Rowena, Emerita Professor
PHD, 1996, University Of Kentucky

Miller, Jennifer, Professor
PHD, 2008, Rutgers University

Nordhauser, Norman, Emeritus Professor
PHD, 1970, Stanford University

Nore, Ellen, Emerita Asc Professor
PHD, 1980, Stanford University

Paulett, Robert, Professor
PHD, 2007, College Of William And Mary

Portwood, Shirley, Emerita Professor
PHD, 1982, Washington University

Riebeling, Zachary, Instructor
MA, 2012, Southern Illinois University Edwardsville

Robles, Manuel, Assistant Professor
PHD, 2024, University Pittsburgh

Ruckh, Eric, Director/Associate Professor
PHD, 1997, University of California Irvine

Smith, Margaret, Research Ast Professor
PHD, 2020, St Louis University Missouri

Spencer, Leslie, Instructor
MA, 2009, Southern Illinois University Edwardsville

Stacy, Jason, Chair/Distinguished Rsch Professor
PHD, 2006, Loyola University Chicago

Tamari, Stephen, Emeritus Professor
PHD, 1998, Georgetown University

Taylor, Tandra, Vice Chancellor, Ast/Assistant Professor
MA, 2017, St Louis University Missouri

Taylor, John, Emeritus Professor
PHD, 1972, University Of Chicago

Thomason, Allison, Professor
PHD, 1999, Columbia University

Viessman Jr., Gregory, Instructor
MA, 2015, Southern Illinois University Edwardsville

Vongsathorn, Kathleen, Associate Professor
PHD, 2013, University Of Oxford

Weingartner, James, Emeritus Professor
PHD, 1967, University Of Wisconsin-Madison

Industrial Engineering

Chen, Xin, Professor
PHD, 2009, Purdue University West Lafayette

Denn, Michael, Tier I Instructor
DENGR, 2013, Washington University

Karacal, Cem, Dean/Professor
PHD, 1991, Oklahoma State University Stillwater

Ko, Hoo Sang, Professor
PHD, 2011, Purdue University West Lafayette

Lee, H., Professor
PHD, 1989, University Of Michigan Ann Arbor

Martell, Matthew, Instructor
PHD, University Of Washington

Onal, Sinan, Chair/Professor
PHD, 2014, University South Florida

Zhang, Siqi, Assistant Professor
PHD, 2024, Pennsylvania State Universityersity

Lovejoy Library

Anthony, Paul, Emeritus Asc Professor
MLIB, 1983, University Of Missouri-St Louis

Behm, Kathlyn, Emerita Asc Professor
MLIB, 1991, University Of Missouri-Columbia

Busch, Tammie, Associate Professor
MLIS, 2014, Lincoln University Mo

Calcagno, Philip, Emeritus Asc Professor
MLS, 1969, University of Illinois Urbana-Champaign

Carlisle, Linda, Emerita Asc Professor
MLIB, 1985, University of Illinois Urbana-Champaign

Del Rio, Jacob, Assistant Professor
MLS, 2011, University Of Missouri Columbia

Del Rio, Lora, Director/Professor
MLIS, 2008, University of Illinois Urbana-Champaign

Denue, Gary, Emeritus Asc Professor
MLS, 1969, State Univeristy Of New York at Geneseo

Dickman, Therese, Emerita Asc Professor
MA, 1984, University Of Michigan Ann Arbor

Feeney, Martha, Emerita Asc Professor
MLS, 1967, Pratt Institute

Fields, Lynnette, Emerita Asc Professor
MLS, 1994, University Of Missouri-St Louis

Garbs, Jill, Emerita Asc Professor
MLIB, 1994, University Of Missouri-Columbia

Graser, Marlee, Dean/Associate Professor
MLIS, 2014, University of Illinois Urbana-Champaign

Gray, Juliet, Associate Professor
MLIB, 2003, University of Illinois Urbana-Champaign

Haas, Mitchell, Assistant Professor
MLIS, 2020, University of Illinois Urbana-Champaign

Hansen, Julia, Emerita Asc Professor
MLIB, 1973, Dominican University

Jackson, Lydia, Ast To/Associate Professor
MLIB, 1997, University Of Missouri Columbia

Johnson, Charlotte, Emerita Asc Professor
MLIB, 1975, University Of Wisconsin-Madison

Kamper, Elizabeth, Associate Professor
MLIS, 2017, University Of Wi Milwaukee

Kerber, Stephen, Emeritus Professor
PHD, 1979, University Of Florida

Kohlburn, Joseph, Assistant Professor
MA, 2013, University Of Missouri Columbia

McDavid, Shelly, Director/Associate Professor
MLS, 2011, Emporia State University

Miller, Charles, Emeritus Asc Professor
MM, 1972, Southern Illinois University Edwardsville

Palitzsch, Zachary, Instructor
MLIB, 2019, University Of Indianapolis

Paris, Matthew, Associate Professor
MLIB, 1996, Indiana University Bloomington

Sherwin, M., Emerita Asc Professor
MLS, 1968, University of Illinois Urbana-Champaign

Starratt, Joseph, Emeritus Dean
MLIB, 1980, Emory University

Williams, Simone, Assistant Professor
MLIB, 2019, Drexel University

Management and Mktg

Aucamp, Donald, Emeritus Professor
SCD, 1971, Washington University

Berkley, Robyn, Chair/Professor
PHD, 2001, University Of Wisconsin Madison

Choi, Yohan, Associate Professor
PHD, 2019, Oregon State University

Franke, Arnold, Emeritus Asc Professor
MS, 1960, Purdue University

Giacobbe, Ralph, Emeritus Asc Professor
PHD, 1991, Arizona State Universityersity

Hair, Michael, Associate Professor
PHD, 2015, Georgia Institute Technology

Hayek, Mario, Dean/Professor
PHD, 2011, University Of Mississippi

Hershberger, Edmund, Dean, Asc/Associate Professor
PHD, 2003, Georgia State University

Hunt, Jenni, Tier II Instructor
MBA, 2004, Southern Illinois University Edwardsville

Joplin, Janice, Emerita Professor
PHD, 1994, University Of Texas Arlington

Kaikati, Jack, Emeritus Professor
PHD, 1976, Florida State University

Kim, Minseok, Assistant Professor
PHD, Rutgers University-Newark

Kim, Sungho, Associate Professor
PHD, 2012, Ohio State University Columbus

Kreugel, Jamil, Assistant Professor
PHD, 2025, Old Dominion University

Love, Mary Sue, Associate Professor
PHD, 2001, University Of Missouri Columbia

Madupalli, Ramana, Associate Professor
PHD, 2007, Georgia State University

Michlitsch, Joseph, Emeritus Asc Professor
PHD, 1980, University Of South Dakota

Pannirselvam, G., Emerita Asc Professor
PHD, 1995, Arizona State University

Patil, Ripinka, Assistant Professor
PHD, 2023, Louisiana State University Baton Rouge

Petry, Joel, Tier II Instructor
MBA, 2007, Washington University

Prats Morral, Maria, Assistant Professor
PHD, 2020, University Of Navarra

Robberson, Katherine, Tier II Instructor
MBA, 2003, University Of Missouri Columbia

Schoenecker, Timothy, Emeritus Dean
PHD, 1994, Purdue University

Segal, Madhav, Emeritus Professor
PHD, 1979, University Of Texas - Arlington

Simon Solomon, Stanislaus, Associate Professor
PHD, 2015, University Of Missouri St Louis

Sullivan, George, Emeritus Professor
LLM, 1982, New York University

Sweida, Gloria, Associate Professor
PHD, 2018, Claremont Graduate Univ

Watson Jr., George, Emeritus Asc Professor
PHD, 1997, Virginia Tech

Yu, Gwangjae, Assistant Professor
PHD, 2021, Arizona State University

Zeng, Yuping, Professor
PHD, 2007, Peking University

Mass Communications

Atwood, Alfred, Tier II Instructor
MS, 2008, Southern Illinois University Edwardsville

Baasanjav, Undrah, Professor
PHD, 2006, Ohio University

Bukalski, Peter, Emeritus Professor
PHD, 1975, Ohio State University

Byers, Cory, Tier II Instructor
MA, 2005, Southern Illinois University Carbondale

Donald, Ralph, Emeritus Professor
PHD, 1987, University Of Massachusetts-Amherstbia

Hicks, Gary, Professor
PHD, 1998, The University of Texas at Austin

Ibroscheva, Elza, Provost, Asc/Professor
PHD, 2005, Southern Illinois University Carbondale

Kapatamoyo, Musonda, Professor
PHD, 2007, Ohio University

Leith, Alex, Associate Professor
PHD, 2019, Michigan State University

Li, Shi, Associate Professor
PHD, 2015, Indiana University System

Mishra, Suman, Chair/Professor
PHD, 2010, Temple University

Poepsel, Mark, Associate Professor
PHD, 2011, University Of Missouri Columbia

Regnell, Barbara, Emerita Professor
MA, 1966, Syracuse University

Speno, Ashton, Associate Professor
PHD, 2016, University Of Missouri Columbia

Yu, Jason, Professor
PHD, 2009, University Of North Carolina Chapel Hill

Mathematics and Stat

Agustin, Ma Zenia, Professor
PHD, 1997, Bowling Green State University

Agustin, Marcus, Professor
PHD, 1997, Bowling Green State University

Budzban, Gregory, Emeritus Dean
PHD, 1991, University Of South Florida

Chew, Song, Professor
PHD, 2005, Purdue University West Lafayette

Codjoe, Priscilla, Assistant Professor
PHD, 2022, Missouri University Science And Tech

Cooper, Mary, Emerita Professor
SCD, 1970, Washington University

Crawford, Nakita, Instructor
MS, 2021, Georgia Southern University

Davenport, Sarah, Instructor
MS, 2014, Missouri University Science And Tech

Davis, Amanda, Instructor
MS, 2018, Southern Illinois University Edwardsville

Dixon, David, Instructor
PHD, 1977, Purdue University West Lafayette

Downen, Letitia, Tier II Instructor
MS, 2006, Southern Illinois University Edwardsville

Erickson, Angela, Instructor
MS, 2004, Southern Illinois University Carbondale

Hasty, Marilyn, Emerita Asc Professor
PHD, 1986, Southern Illinois University Carbondale

Ho, Chung-Wu, Emeritus Professor
PHD, 1970, Massachusetts Institute Of Technology

Jarosz, Krzysztof, Emeritus Distinguished Res Prf
PHD, 1982, University Of Warsaw

Jiang, Yi, Associate Professor
PHD, 2018, Iowa State University

Karimpour, Rahim, Emeritus Professor
PHD, 1977, University Of Oregon

Ledzewicz, Urszula, Emerita Distinguished Res Prof
PHD, 1984, University Of Lodz

Leem, Koung, Professor
PHD, 2003, University Iowa

Liu, Jun, Associate Professor
PHD, 2015, Southern Illinois University Carbondale

Lizano, Cheryl, Associate Professor
PHD, 2014, Illinois State University

Loreaux, Jireh, Associate Professor
PHD, 2016, University Cincinnati

Lu, Chunqing, Emeritus Professor
PHD, 1986, State University Of New York-Buffalo

May, Yukiko, Tier II Instructor
MS, 1993, Southern Illinois University Edwardsville

McDaniel Jr., Raymond, Tier II Instructor
MA, 1985, The University of Texas at Austin

Morrese, Steven, Tier II Instructor
MS, 1985, Air Force Institute Of Technology

Nagel, Ginger, Tier I Instructor

MS, 2009, Southern Illinois University Edwardsville

Neath, Andrew, Emeritus Professor
PHD, 1994, University Of California Davis

Pelekanos, George, Distinguished Rsch Professor
PHD, 1997, University Of Delaware

Phillips, Paul, Emeritus Professor
PHD, 1968, Ohio State University

Price, Melissa, Instructor
MA, 2011, Azusa Pacific University

Qiang, Beidi, Associate Professor
PHD, 2017, University South Carolina Columbia

Rigdon, Steven, Emeritus Distinguished Res Prf
PHD, 1985, University Of Missouri-Columbia

Sewell, Edward, Emeritus Distinguisehd Res Prf
PHD, 1990, Cornell University

Song, Myung, Professor
PHD, 2005, University Iowa

Staples, George, Professor
PHD, 2004, Southern Illinois University Carbondale

Steinberg, David, Emeritus Dean
SCD, 1968, Washington University

Stock, Jennifer, Tier I Instructor
MS, 2019, Southern Illinois University Edwardsville

Voepel, Tammy, Professor
PHD, 1997, University Of Missouri Columbia

Mech and Mechatronics Eng

Celik, Serdar, Professor
PHD, 2007, Southern Illinois University Carbondale

Darabi, Jafar, Professor
PHD, 2000, University Maryland Global Campus

Denn, Michael, Tier I Instructor
DENGR, 2013, Washington University

Eneyo, Emmanuel, Emeritus Professor
PHD, 1991, Purdue University

Gu, Keqin, Emeritus Distinguished Res Prf
PHD, 1988, Georgia Institute Technology

Gunasekera, Jagath, Tier I Instructor
PHD, 2013, University Of Missouri Columbia

Kweon, Soondo, Professor
PHD, 2009, University of Illinois Urbana-Champaign

Lotfi Yagin, Nima, Associate Professor
DENGR, 2016, Missouri University Science And Tech

Luo, Albert, Distinguished Rsch Professor
PHD, 1996, University Of Manitoba

Molki, Majid, Distinguished Rsch Professor
PHD, 1982, University Of Minnesota Minneapolis

Sevim, Hasan, Emeritus Dean
SCD, 1984, Columbia University

Shavezipur, Mohammad, Associate Professor
PHD, 2008, University Of Waterloo

Wang, Fengxia, Professor
PHD, 2008, Purdue University West Lafayette

Yan, Terry, Chair/Professor
PHD, 1993, University Of California Davis

Zhang, Mingshao, Associate Professor
PHD, 2016, Stevens Institute Tech

Music

Anop, Lenora, Professor
DMUS, 1993, University Of Michigan Ann Arbor

Archer, Kimberly, Distinguished Rsch Professor
DMUS, 2003, The University of Texas at Austin

Bell, John, Emeritus Professor
EDD, 1986, University of Illinois Urbana-Champaign

Brown, Stephen, Emeritus Professor
MM, 1970, Southern Illinois University Edwardsville

Canterbury, Alicia, Associate Professor
DMUS, 2019, University Of Mississippi

Chin, Huei Li, Professor
PHD, 2002, Ohio State University Columbus

Coan, Darryl, Professor

EDD, 1992, University of Illinois Urbana-Champaign

Gomez Prada, Ruben, Assistant Professor
DMUSA, 2020, University Of Nebraska Lincoln

Greenwood, Andrew, Associate Professor
PHD, 2012, University Of Chicago

Hinson, James, Emeritus Professor
DMUS, 1995, Florida State University

Ho, Allan, Emeritus Professor
PHD, 1984, University Of Kentucky

Hunt, Stephanie, Tier II Instructor
MM, 2006, Rice University

Kerr, Ruth, Emerita Professor
DFA, 2000, Southern Illinois University Edwardsville

Kim, Angela, Associate Professor
DMUSA, 2015, Eastman School Of Music

Knapp, Joel, Emeritus Professor
DMUS, 1991, University Of Missouri Kansas City

Korak III, John, Emeritus Professor
DMUS, 1999, University Of North Texas

Lord-Castillo, Erika, Director, Program/Tier II Instructor
MM, 2010, Southern Illinois University Edwardsville

Mishra, Michael, Professor
DMUSA, 1997, University Northern Colorado

Monier, Shelly, Instructor
DMUSA, 2010, University Of Nebraska Lincoln

Myrogiannis Koukos, Nikolaos, Assistant Professor
DMUSA, 2024, James Madison University

Perry, Linda, Emerita Professor
PHD, 1994, University of Illinois Urbana-Champaign

Rogers, Karen, Emerita Professor
MFA, 1974, University Of Iowa

Schapman, Marc, Chair/Professor
DMUS, 2007, Indiana University Bloomington

Schmidt, Garrett, Associate Professor
MM, 2011, Eastman School Of Music

Scott, Janet, Emerita Professor
MM, 1976, Washington University

Seo, Mikaila, Tier I Instructor
MM, 2012, Roosevelt University

Simidtchieva, Marta, Professor
DMUS, 2005, Florida State University

Smithiger, Daniel, Tier II Instructor
MM, 2001, University Of Arizona

Stamps, David, Emeritus Professor
MM, 1975, University Of Miami

Swagler, Jason, Associate Professor
MM, 2000, Southern Illinois University Edwardsville

Tallant, Audrey, Emerita Professor
MFA, 1977, California Institute of the Arts

Truckenbrod, Emily, Professor
DMUSA, 1998, University Iowa

Vandiver, Miles, Tier II Instructor
MM, Southern Illinois University Edwardsville

Wells III, Prince, Emeritus Asc Professor
MM, 1986, New England Conservatory

Nurse Anesthesiology

Douglass, Lauren, Assistant Professor
DNP, 2019, University of North Florida

Tebbenkamp, Jenna, Director, Asc/Assistant Professor
DNP, 2021, Southern Illinois University Edwardsville

Nursing, School of

Andrus, Melissa, Instructor
MSN, 2022, Webster University

Baecht, Leah, Chair/Assistant Professor
DNP, 2019, Southern Illinois University Edwardsville

Baier, Marjorie, Emerita Asc Professor
PHD, 1995, St Louis University

Basarich, Kerry, Instructor

MS, Southern Illinois University Edwardsville

Beaman, Margaret, Emerita Professor
PHD, 1987, University Of Illinois-Chicago

Beatty Bachmann, Michele, Instructor
MS, 2007, Southern Illinois University Edwardsville

Bennett, Devon, Instructor
MS, 2018, St Louis University Missouri

Bernaix, Laura, Emerita Dean
PHD, 1995, St Louis University

Boyd, Rita, Emerita Asc Professor
PHD, 2002, Southern Illinois University Carbondale

Boyd, Mary, Emerita Professor
DN, 1986, Indiana University-Purdue

Bradley, Marie, Instructor
MS, 2019, Western Governors University

Cady, Lois, Emerita Ast Professor
MS, 1962, University of Colorado at Boulder

Clement, Jacquelyn, Emerita Professor
PHD, 1984, University Of Texas - Austin

Creason, Nancy, Emerita Professor
PHD, 1977, University Of Michigan-Ann Arbor

Cruz, Virginia, Emerita Asc Professor
PHD, 1997, University Of Iowa

Custer, Marcia, Emerita Asc Professor
PHD, 1991, St Louis University Missouri

De Meneses, Mary, Emerita Asc Dean
EDD, 1982, Northern Illinois Universityersity

Forni, Patricia, Emerita Professor
PHD, 1965, St Louis University

Godar, Kelsey, Instructor
MS, 2014, Southern Illinois University Edwardsville

Goeckner, Kristie, Instructor
DNP, 2024, Southern Illinois University Edwardsville

Goersch, Shandra, Instructor
MSN, 2011, Chamberlain University

Gopalan, Chaya, Professor
PHD, 1988, University Of Glasgow

Hamilton, Karlie, Director/Instructor
MSN, 2021, Barnes-Jewish College Goldfarb School

Harmon, Elise, Clinical Ast Professor
DNP, 2018, University Of Missouri Columbia

Hawkins, Danielle, Instructor
MS, Southern Illinois University Edwardsville

Heller, Caitlyn, Instructor
MS, 2024, Southern Illinois University Edwardsville

Henson, Lindsey, Instructor
MSN, 2020, Wright State University

Hoffman, Lori, Instructor
MS, Southern Illinois University Edwardsville

Hunter, Osvaldo, Instructor
DHA, 2018, Medical University of South Carolina

Ketchum, Kathy, Emerita Asc Professor
PHD, 2000, St Louis University

Kief-Daugherty, Amy, Instructor
MS, 2018, Southern Illinois University Edwardsville

Kimutis, Mary, Instructor
MS, 2023, Southern Illinois University Edwardsville

Lashley, Felissa, Emerita Dean
PHD, 1973, Illinois State University

Liesveld, Judy, Dean/Professor
PHD, 2007, University New Mexico Albuquerque

Massa, Kelsey, Instructor
MS, 2019, Southern Illinois University Edwardsville

Maurer, Marcia, Emerita Professor
PHD, 1994, Loyola University Of Chicago

McDonald, Keywana, Instructor
MSN, 2019, Liberty University

Mitchell, Sylvia, Emerita Ast Professor
MSN, 1972, St Louis University

Ostermiller, Gayle, Instructor
MSN, 2016, Maryville University St Louis

Perry, Gloria, Emerita Professor
PHD, 1974, St Louis University

Petri, Carly, Instructor
MS, 2010, Southern Illinois University Edwardsville

Phillips, Shawnna, Instructor
MSN, 2023, McKendree University

Radford, Jewel, Instructor
DNP, 2024, Southern Illinois University Edwardsville

Rardin, Samantha, Instructor
MSN, 2022, Barnes-Jewish College Goldfarb School

Ratermann, Lindsay, Instructor
MSN, 2023, Quincy University

Ray, Justine, Instructor
MS, Southern Illinois University Edwardsville

Reed, Amy, Director/Assistant Professor
PHD, 2021, University Of Missouri Columbia

Rieger, Randee, Instructor
MSN, 2019, McKendree University

Riley, Marguerite, Emerita Asc Professor
PHD, 1992, St Louis University

Ruddy-Wallace, Mona, Emerita Asc Professor
PHD, 1983, University Of Missouri-St Louis

Schamens, Rebekah, Instructor
MSN, 2021, Western Governors University

Schmidt, Cynthia, Emerita Professor
PHD, 1997, St Louis University

Schmitz, Jennifer, Instructor
MS, 2014, Southern Illinois University Edwardsville

Shoemaker, Amanda, Instructor
MSN, 2021, Webster University

Skelton, Stacy, Instructor
DN, 2019, University Of Missouri St Louis

Stein, Kevin, Associate Professor
DNAP, 2017, Middle Tennessee State University

Stonecypher, Taylor, Instructor
MS, Southern Illinois University Edwardsville

Swiney, Jennifer, Instructor
MS, 2021, Chamberlain University

Sykes, Roslyn, Emerita Professor
PHD, 1984, St Louis University

Traum, Kate, Instructor
DNP, 2018, Southern Illinois University Edwardsville

Wright, Kimberly, Instructor
MSN, 2021, University Of Phoenix

Pharmacy, School of

Arnoldi, Jennifer, Clinical Professor
PHRMD, 2006, Midwestern University

Bimpasis, Lisa, Clinical Professor
PHRMD, 2001, University Health Sciences & Pharmacy St Louis

Cady, Elizabeth, Clinical Asc Professor
PHRMD, 2014, Drake University

Chang, Sunny, Instructor
PHD, 2016, University Of California Los Angeles

Crider, Michael, Emeritus Professor
PHD, 1975, University Of Kentucky

Dankenbring, Dawn, Clinical Ast Professor
DPHAR, 2011, Southern Illinois University Edwardsville

Devraj, Radhika, Professor
PHD, 1998, Purdue University West Lafayette

Finley, Deja, Clinical Ast Professor
PHRMD, 2020, Southern Illinois University Edwardsville

Frueh, Janice, Clinical Asc Professor
PHRMD, 2007, Creighton University

Gable, Kelly, Professor
PHRMD, 2004, University Of Mississippi

Gonzalez, Misty, Clinical Asc Professor
PHRMD, 2007, Purdue University West Lafayette

Hecht, Keith, Associate Professor
PHRMD, 2001, University Health Sciences & Pharmacy St Louis

Hecht, Jingyang, Dean, Ast/Clinical Professor
PHRMD, 2001, University Of Illinois Chicago

Herndon, Christopher, Professor
PHRMD, 1998, University Health Sciences & Pharmacy St Louis

Hookstra, Jennifer, Chair/Professor
DPHAR, 2009, University Colorado Denver

Hunziker, Stephanie, Clinical Asc Professor
PHRMD, 2003, University Health Sciences & Pharmacy St Louis

Kerr, Jessica, Dean, Asc/Professor
PHRMD, 2001, University Health Sciences & Pharmacy St Louis

Kolling, William, Professor
PHD, 1997, University Iowa

Kontoyianni, Maria, Professor
PHD, 1991, University Of North Carolina Chapel Hill

Kwon, Guim, Professor
PHD, 1992, University Of Michigan Ann Arbor

Luer, Mark, Dean/Professor
PHRMD, 1990, University Health Sciences & Pharmacy St Louis

Lynch, Chris, Director/Professor
PHRMD, 1993, University Health Sciences & Pharmacy St Louis

Maynard, Cassandra, Clinical Asc Professor
PHRMD, 2001, University Health Sciences & Pharmacy St Louis

McIntosh, Cathryn, Clinical Ast Professor
PHRMD, 2015, Southern Illinois University Edwardsville

McPherson, Timothy, Professor
PHD, 1995, Purdue University West Lafayette

Neumann, William, Emeritus Professor
PHD, 1988, University Of Missouri-St Louis

Newman, Katherine, Clinical Professor
PHRMD, 2010, Southern Illinois University Edwardsville

Nieto, Marcelo, Professor
PHD, 1999, National University

Patel, Bhargav, Assistant Professor
PHD, 2017, St Johns Univ Jamaica

Poirier, Therese, Emerita Professor
PHD, 1979, University Of Michigan-Ann Arbor

Reynolds, Garth, Clinical Ast Professor
MBA, 2019, Southern Illinois University Edwardsville

Rosselli-Lynch, Jennifer, Clinical Professor
PHRMD, 2003, University Health Sciences & Pharmacy St Louis

Ruscin, John, Professor
PHRMD, 1993, University Of Illinois Chicago

Santanello, Cathy, Emerita Professor
PHD, 1990, St Louis University

Sauer, Barbara, Clinical Instructor
BS, 1993, University Health Sciences & Pharmacy St Louis

Schober, Joseph, Professor
PHD, 2003, University Of Illinois Chicago

Seiler, Deanna, Clinical Instructor
DPHAR, 1994, University Health Sciences & Pharmacy St Louis

Sheley, Jared, Clinical Asc Professor
PHRMD, 2012, Southern Illinois University Edwardsville

Siganga, Walter, Professor
PHD, 1992, University Of Maryland At Baltimore

Twillmann, Sydnie, Clinical Ast Professor
DPHAR, 2021, University Health Sciences & Pharmacy St Louis

Vogler, Carrie, Clinical Professor
PHRMD, 2007, Midwestern University

Wilhelm, Miranda, Clinical Professor
PHRMD, 2002, University Of Kansas

Witt, Kenneth, Professor
PHD, 2001, University Of Arizona

Worthington, Ronald, Emeritus Professor
PHD, 1982, Washington University

Philosophy

Barker, John, Emeritus Professor
PHD, 1967, Tulane University Of Louisiana

Cashen, Matthew, Professor
PHD, 2007, Washington University

Catalano, Michelle, Tier II Instructor
MBA, 2005, Southern Illinois University Edwardsville

Cataldi, Suzanne, Emerita Professor
PHD, 1991, Rutgers State University-New Brunswick

Corr, Charles, Emeritus Professor
PHD, 1966, St Louis University

Crane, Judith, Professor
PHD, 1999, Tulane University

Danley, John, Emeritus Professor
PHD, 1977, University Of Rochester

Darr, Raymond, Tier II Instructor
MA, 1984, Southern Illinois University Edwardsville

Fatima, Saba, Professor
PHD, 2012, Suny Binghamton

Fields, Gregory, Distinguished Rsch Professor
PHD, 1994, University Of Hawaii Manoa

Glossop, Ronald, Emeritus Professor
PHD, 1960, Washington University

Hamrick, William, Emeritus Professor
PHD, 1971, Vanderbilt University

Keene, Carol, Emerita Professor
PHD, 1969, St Louis University

Krag, Erik, Associate Professor
PHD, 2012, University Of Tennessee Knoxville

Larkin III, William, Associate Professor
PHD, 1998, University Of California Santa Barbara

Littmann, Gregory, Associate Professor
PHD, 2004, University Of North Carolina Chapel Hill

Lueck, Bryan, Professor
PHD, 2007, Penn State University

Meade, Erik, Tier II Instructor
MA, 2001, Southern Illinois University Carbondale

Mohammadizadeh Khosh, Babak, Instructor
PHD, 2023, University Of Oklahoma

Nabe, Clyde, Emeritus Professor
PHD, 1975, Purdue University

Paxson, Thomas, Emeritus Professor
PHD, 1970, University Of Rochester

Pearson, Christopher, Professor
PHD, 2007, University Of Washington

Reiheld, Alison, Chair/Professor
PHD, 2010, Michigan State University

Schunke, Matthew, Professor
PHD, 2009, Rice University

Simons, Margaret, Emerita Distinguished Res Prof
PHD, 1977, Purdue University

Vailati, Ezio, Emeritus Professor
PHD, 1985, University Of California-San Diego

Verrochi, Meredith, Tier I Instructor
PHD, 2015, Michigan State University

Physics

Ackad, Edward, Professor
PHD, 2008, York University

Foster, Thomas, Professor
PHD, 2000, University Of Minnesota Minneapolis

Garcia, Hernando, Associate Professor
PHD, 2000, New Jersey Institute Tech

Glassman, Jack, Emeritus Asc Professor
PHD, 1997, University Of New Mexico

Hamad, Abdullatif, Chair/Professor
PHD, 1996, Oklahoma State University Stillwater

Hill, Roger, Emeritus Professor
PHD, 1969, California Institute Of Technology

Kaemmerer, Mary, Tier I Instructor
MS, 1996, Southern Illinois University Edwardsville

Kaplan, David, Associate Professor
PHD, 1983, Cornell University

Sabby, Jeffrey, Associate Professor
PHD, 2004, University Of Arkansas Fayetteville

Vardanyan, Karen, Professor
PHD, 2000, Armenian St Polytechnic Univ

Political Science

Degarmo, Denise, Emerita Professor
PHD, 2001, University Of Michigan-Ann Arbor

Farrell, John, Emeritus Asc Professor
PHD, 1975, University Of Iowa

Feeney, William, Emeritus Professor
PHD, 1970, Johns Hopkins University

Guehlstorf, Nicholas, Professor
PHD, 2002, Purdue University West Lafayette

Kalinowski, Tim, Tier II Instructor
JD, 1992, University Of Houston

Rice, Laurie, Chair/Professor
PHD, 2005, University Of California San Diego

Schwartz, David, Emeritus Asc Professor
PHD, 1975, Penn State Univ-Main Campus

Theising, Andrew, Emeritus Professor
PHD, 1997, University Of Missouri-St Louis

Weeraratne, Suranjan, Professor
PHD, 2009, McGill University

Wilson, Sophia, Associate Professor
PHD, 2011, University Of Washington

Pri Care/Hth Sys Nur

Andrews, Angela, Associate Professor
PHD, 2018, University Of Missouri St Louis

Cianci Chapman, Demetrius, Assistant Professor
PHD, University New Mexico Albuquerque

Compton-McBride, Sheri, Chair/Assistant Professor
DNP, 2019, Southern Illinois University Edwardsville

Comrie, Rhonda, Emerita Asc Professor
PHD, 2005, Southern Illinois University Carbondale

Cooley, Tracy, Assistant Professor
DNP, 2020, University Of Missouri St Louis

Dean, Karla, Instructor
DNP, 2025, McKendree University

Durbin, Christine, Emerita Asc Professor
PHD, 2007, University Of Missouri-St Louis

Eileen, Schuetz, Instructor
MS, 2018, Trident at AIU

Frazier, Mary, Assistant Professor
PHD, 2023, St Louis University Missouri

Frost, Erica, Assistant Professor
PHD, 2022, University Northern Colorado

Gaehle, Kay, Emerita Asc Professor
DN, 2004, St Louis University

Harrison, Roberta, Emerita Asc Professor
PHD, 2007, University Of Missouri-St Louis

Kreipe, Tracey, Instructor
DNP, 2023, Southern Illinois University Edwardsville

Kurilla, Nancy, Assistant Professor
PHD, 2025, St Louis University Missouri

Luebbert, Rebecca, Dean, Asc/Professor
PHD, 2010, St Louis University Missouri

Lyerla, Frank, Professor
PHD, 2007, St Louis University Missouri

Perez, Albertina, Professor
PHD, 2011, St Louis University Missouri

Popkess, Ann, Professor
PHD, 2010, Indiana University System

Yancey, Valerie, Emerita Asc Professor
PHD, 1998, St Louis University

Psychology

Abraham, Ashley, Assistant Professor
PHD, 2020, Kent State University

Adams, Stacey, Tier I Instructor
MS, 2004, Southern Illinois University Edwardsville

Bradley, Rachel, Assistant Professor
PHD, 2014, St Louis University Missouri

Childers, Marie, Assistant Professor
MA, 2020, Bowling Green State University

Conoyer, Sarah, Associate Professor
PHD, 2013, University Of Missouri Columbia

Daus, Catherine, Professor
PHD, 1994, Purdue University West Lafayette

Engbretson, Robert, Emeritus Professor
PHD, 1964, Michigan State University

Everett, Gregory, Dean, Asc/Professor
PHD, 2005, Univ Southern Mississippi

Finley, Jason, Associate Professor
PHD, 2012, University of Illinois Urbana-Champaign

Fisher, David, Associate Professor
PHD, 2012, DePaul University

Hawkins, Carlee, Associate Professor
PHD, 2013, University Of Virginia - Main Campus

Hupp, Stephen, Professor
PHD, 2002, Louisiana State University Baton Rouge

Jenkins, Diana, Assistant Professor
PHD, 2022, Arizona State University

Jewell, Jeremy, Professor
PHD, 2001, The University of Texas at Austin

Kleinman, Kenneth, Emeritus Professor
PHD, 1967, Washington University

McKenney, Elizabeth, Professor
PHD, 2010, University Of Florida

Murphy, Jason, Tier II Instructor
PHD, 2013, St Louis University Missouri

Pettibone, Jonathan, Professor
PHD, 2000, University South Carolina Columbia

Polk, Margaret, Assistant Professor
PHD, 2022, University Of Oklahoma

Pomerantz, Andrew, Professor
PHD, 1996, St Louis University Missouri

Quarton, Amy, Tier I Instructor
MA, 2013, Southern Illinois University Edwardsville

Reuterman, Nicholas, Emeritus Professor
PHD, 1968, University Of Colorado Boulder

Ro, Eunyoe, Professor
PHD, 2010, University Iowa

Segrist, Dan, Chair/Professor
PHD, 2000, Southern Illinois University Carbondale

Shimizu, Mitsuru, Associate Professor
PHD, 2009, University At Buffalo (Suny)

Slaten, Christopher, Porvost, Asc/Professor
PHD, 2011, Universities Of Wisconsin Colleges

Verdeyen, Haileigh, Instructor
MS, 2024, Illinois State University

Pub Adm and Pol Analys

Bender, Lewis, Emeritus Professor
PHD, 1977, University Of Georgia

Bush, Richard, Emeritus Professor
PHD, 1983, University of Illinois Urbana-Champaign

Dolan, Drew, Professor
PHD, 1988, Northern Illinois University

Donnelly, Brian, Emeritus Asc Professor
PHD, 1978, University Of Georgia

Foster, John, Associate Professor
PHD, 2012, University Of Kentucky

Huyck, Nancy, Chair/Professor
PHD, 2012, University Of Illinois Springfield

Pietroburgo, Julie, Emerita Professor
PHD, 2002, St Louis University

Taylor Jr., Morris, Associate Professor
PHD, 2000, St Louis University Missouri

Wesemann, Andrew, Associate Professor
PHD, 2018, University Of Missouri Columbia

Public Hlth & Speech Path/Aud

Brady, Kathryn, Emerita Asc Professor
PHD, 2009, University Of Missouri Columbia

Caumiant, Jennifer, Tier II Instructor
MSED, 2010, Southern Illinois University Edwardsville

Chleboun, Steffany, Professor
PHD, 2006, University Of Nebraska Lincoln

Engelman, Dixie, Emerita Dean
MA, 1973, Southern Illinois University Edwardsville

Grist, Arthur, Emeritus Asc Professor
MPH, 1960, University Of Michigan-Ann Arbor

Harrison, Jean, Emerita Asc Professor
MS, 1974, Illinois State University

Harville II, Cedric, Assistant Professor
PHD, 2019, University Of Florida

Henderson, Aldara, Instructor
MPH, 2021, Southern Illinois University Edwardsville

Henderson, Jaime, Tier I Instructor
MS, Southern Illinois University Edwardsville

Klein, Nicole, Professor
PHD, 1995, The University of Texas at Austin

Klopfenstein, Marie, Associate Professor
PHD, 2012, Univ Louisiana Lafayette

Lieblich, Malcolm, Emeritus Professor
PHD, 1963, New York University

Ma, Alice, Associate Professor
PHD, 2017, University Of North Carolina Greensboro

Masiongale, Tedd, Tier II Instructor
MA, 1992, University Of South Dakota

Ott, Kimberly, Instructor
MS, 1981, Southern Illinois University Edwardsville

Panico, James, Professor
PHD, 2005, University Of Nebraska Lincoln

Sauerwein, Allison, Associate Professor
PHD, 2018, University Of Kansas

Schwartz, Elizabeth, Instructor
MS, 2012, Southern Illinois University Edwardsville

Xin, Huaibo, Chair/Professor
PHD, 2011, University Of North Carolina Greensboro

Social Work

Baker, Laura, Instructor
MSW, 2018, Southern Illinois University Edwardsville

Brown, Venessa, Emerita Professor
PHD, 1994, Clark Atlanta University

Carter, Kimberly, Associate Professor
PHD, 2010, Washington University

Erwin, Jennifer, Assistant Professor
PHD, 2018, University Of Tennessee Knoxville

Ferguson, Aidan, Assistant Professor
PHD, 2022, Florida State University

Jones, Ariel, Assistant Professor
PHD, 2017, St Louis University Missouri

O'Brien, Gerald, Emeritus Professor
PHD, 1997, University of Illinois Urbana-Champaign

Swanke, Jayme, Associate Professor
PHD, 2009, Southern Illinois University Carbondale

Tunney, Kathleen, Emerita Asc Professor
PHD, 1999, University Of Illinois-Chicago

Ulrich, Jessica, Instructor
MS, 1999, University of Illinois Urbana-Champaign

Sociology

Barlow, Hugh, Emeritus Professor
PHD, 1973, University Of Texas - Austin

Blain, Robert, Emeritus Professor

PHD, 1967, University Of Massachusetts-Amherstbia

Cobb, Denise, Provost and Vice Chancellor/Professor
PHD, 2003, Tulane University

Farley, John, Emeritus Professor
PHD, 1977, University Of Michigan-Ann Arbor

Finkelstein, Marvin, Emeritus Professor
PHD, 1984, Michigan State University

Henslin, James, Emeritus Professor
PHD, 1967, Washington University

Maatita, Florence, Chair/Professor
PHD, 2003, University Of Connecticut

Markowitz, Linda, Emerita Professor
PHD, 1995, University Of Arizona

Meeker, Sam, Instructor
MA, 2023, Southern Illinois University Edwardsville

Riley, Lawrence, Emeritus Asc Professor
PHD, 1971, Ohio State University

Stevens, Corey, Associate Professor
PHD, 2018, University Of Akron

Stygar, Liz, Tier II Instructor
MA, 2008, Southern Illinois University Edwardsville

Temko, Ezra, Associate Professor
PHD, 2019, Univ New Hampshire Durham

Teaching and Learning

Armentrout, Rebecca, Tier I Instructor
MSED, 2011, Southern Illinois University Edwardsville

Baden, Donald, Emeritus Professor
EDD, 1973, University Of Houston

Beavers, Vickie, Tier I Instructor
MSED, 2011, Eastern Illinois University

Breck, Susan, Emerita Professor
PHD, 1994, University Of Kansas

Bushrow, Kathy, Emerita Professor
PHD, 1996, University Of Texas - Austin

Carney, Tracy, Tier I Instructor
MA, 1998, Maryville University St Louis

Detoye, Lela, Emerita Asc Dean
EDD, 1989, Southern Illinois University Edwardsville

Deweese, David, Emeritus Asc Professor
EDD, 1994, East Tennessee St University

Elford, Martha, Instructor
PHD, 2013, University Of Kansas

Forbringer, Linda, Emerita Professor
PHD, 2003, St Louis University Missouri

Foster, Susan, Assistant Professor
PHD, 2020, Southern Illinois University Carbondale

Hamann, Kira, Assistant Professor
EDD, 2017, Illinois State University

Johnson, Brian, Associate Professor
PHD, 1995, Emory University

Kirk, Stacie, Professor
PHD, 2006, University Of Kansas

Latorre, Martha, Emerita Professor
PHD, 1999, University Of Alabama

Lessen, Elliott, Emeritus Professor
PHD, 1977, University Of Florida

Marlette, Stephen, Professor
PHD, 2002, Kansas State University Manhattan

Marsh, Sarah, Tier I Instructor
MSED, 2008, Southern Illinois University Carbondale

Martin, Barbara, Associate Professor
EDD, 2016, Illinois State University

Masterson, Mary, Emerita Instructor
MSED, 1986, Southern Illinois University Edwardsville

McAndrews, Stephanie, Emerita Professor
PHD, 1998, University Of Arizona

Miner, Craig, Emeritus Professor
PHD, 1994, Southern Illinois University Carbondale

Msengi, Shadrack, Professor
EDD, 2006, University Northern Iowa

Nall, Susan, Emerita Professor
PHD, 1975, St Louis University

O'Donnell, Barbara, Professor
EDD, 1999, University North Dakota Grand Forks

Patton-Jordan, Jodi, Assistant Professor
EDD, 2017, St Louis University Missouri

Pryor, Caroline, Professor
EDD, 1990, Arizona State University

Reading, Gloria, Emerita Asc Professor
EDD, 1999, Southern Illinois University Edwardsville

Rockwell, Robert, Emeritus Professor
PHD, 1972, St Louis University

Searcy, Leroy, Emeritus Asc Professor
EDD, 1984, University Of Missouri-Columbia

Sherwood, Elizabeth, Emerita Professor
PHD, 2004, Illinois State University

Smith, Randall, Emeritus Professor
PHD, 1987, University Of Missouri-Columbia

Stein, James, Emeritus Asc Professor
PHD, 1973, St Louis University

Stevenson, Megan, Instructor
MAT, 2019, Rockford University

Swartz, Rebecca, Associate Professor
PHD, 2013, University of Illinois Urbana-Champaign

Walls, Tammy, Tier I Instructor
MSED, 2015, Southern Illinois University Edwardsville

Weishaar, Mary, Emerita Professor
PHD, 1984, St Louis University Missouri

Weishaar, Phillip, Emeritus Asc Professor
PHD, 1984, St Louis University

Wiemers, Elizabeth, Tier II Instructor
MS, 2002, Southern Illinois University Edwardsville

Williams, Nathaniel, Chair/Associate Professor
PHD, 2015, Indiana University Bloomington

Williams, Robert, Emeritus Professor
PHD, 1975, Georgia State University

Winnett, David, Emeritus Professor
EDD, 1988, Southern Illinois University Edwardsville

Wright, Michelle, Instructor
BS, Rasmussen College Romeoville

Theater and Dance

Alcayaga, Claudia, Instructor
MFA, 2021, Texas A&M University Commerce

Beals, Paula, Emerita Instructor
MA, 1970, Teachers College, Columbia University

Bentley, Kathryn, Emerita Asc Professor
MFA, 2006, Lindenwood University

Best-Kinscherff, Kristin, Chair/Associate Professor
MFA, 2006, University Iowa

Comstock, Theresa, Tier I Instructor
MFA, 2017, Northern Illinois University

Harper, Charles, Professor
MFA, 1997, University Of Washington

Hawkins, Lindsay, Instructor
MFA, 2015, University Of Arizona

Jarrell, James, Emeritus Professor
MFA, 1980, University Of Oklahoma

Jones, Adrianna, Assistant Professor
MM, 2022, Carthage College

Jones II, Timothy, Assistant Professor

Kurzym, Tress, Tier I Instructor
BFA, 1998, Stephen F Austin State University

Mackie, Wade, Emeritus Asc Professor
PHD, 1972, Indiana University-Bloomington

Olivas, Omar, Tier II Instructor
MS, Southern Illinois University Edwardsville

Reed, Nina, Tier II Instructor

BFA, 1989, Webster University

Riley, Brandon, Assistant Professor
PHD, 2025, University Of Missouri Columbia

Schmitz, Johanna, Professor
PHD, 2001, University Of California Davis

Shaul, Kerry, Emeritus Asc Professor
MFA, 1973, Southern Methodist University

Sill, David, Emeritus Professor
MFA, 1979, Michigan State University

Speidel, Roger, Tier II Instructor
MFA, 2000, University Of South Dakota

Sweezey, Charles, Emeritus Professor
MFA, 1974, Brandeis University

Wulfsong, James, Associate Professor
MFA, 1998, University Of Minnesota Minneapolis

Univ Services to ESL

Fernando, Rex, Emeritus Asc Professor
PHD, 1976, St Louis University

Krishnan, Kuppanna, Emeritus Asc Professor
PHD, 1978, St Louis University

College of Arts and Sciences

A College of Arts and Sciences education is a journey of intellectual transformation in which students explore diversity of ideas, experiences, and people. The College provides excellent degree programs for its majors, minors, and post-graduate students and offers an outstanding liberal arts and sciences foundation for undergraduate students across the University. The College of Arts and Sciences is committed to the traditional academic pursuits of instruction, scholarship, and public service as a means of realizing, in close cooperation with other units, the mission and goals of Southern Illinois University Edwardsville. Consistent with the mission of the university, the college assigns first priority to excellence in undergraduate education. To this end, the college fosters the development of the following characteristics and capabilities of its graduates:

Communication: Organize and express ideas clearly and appropriately; master written and oral communication; appreciate alternative forms of expression, including art, dance, music and literature; distinguish between the medium and the message; listen, observe, interpret, and understand others.

Critical Thinking: Employ independent, objective, and rigorous reasoning; identify and integrate the elements of a task or problem; seek, organize, assimilate, and synthesize information; maintain a healthy skepticism; recognize the value of creativity, the limits of reason, and the legitimacy of intuition.

Problem Framing and Solving: Determine and appreciate the complexity of problems, go beyond conventional assumptions, understand parts of systems as well as the whole, recognize patterns and be able to generalize them, search and test solutions using analytical and intuitive skills, evaluate and monitor outcomes, work effectively and creatively in diverse groups.

Knowledge: Master the basic facts, concepts, and literature of the arts and sciences; acquire knowledge of diverse ethical traditions and contemporary issues; develop competence in the use of technology, instrumentation, and research methods; develop expertise in a major; understand the evolution and trends of that major; acquire knowledge of career opportunities.

Integration and Application of Knowledge: Understand and value the interconnectedness of knowledge; learn creatively from practice and experience; apply knowledge in innovative ways; appreciate and promote multidisciplinary and culturally diverse perspectives; foster connections where knowledge serves as a bridge to new levels of understanding and insight.

Self Development: Assess personal strengths, weaknesses, and potential; develop individual goals and persevere to achieve them; build self confidence and motivation; identify and respect diverse backgrounds and viewpoints; manage change effectively; recognize and tolerate ambiguity; develop a well-considered personal ethic that includes assuming responsibility for actions, decisions, and their results.

Citizenship: Participate in the local, national, and global community; be sensitive to the welfare of others; appreciate democratic values; acquire a sense of personal and collective responsibility for the social and natural environment.

Life-Long Learning: Maintain a sense of curiosity, appreciate and master the process of learning, recognize that learning is a means of fulfillment and success in one’s personal and professional life.

The College of Arts and Sciences includes the departments of Anthropology, Applied Communication Studies, Art and Design, Biological Sciences, Chemistry, Criminal Justice Studies, English Language and Literature, Environmental Sciences, Foreign Languages and Literature, Geography and Geographic Information Sciences, History, Mass Communications, Mathematics and Statistics, Music, Philosophy, Physics, Political Science, Public Administration and Policy Analysis, Social Work, Sociology, and Theater and Dance.

The College also offers degrees in Economics, International Studies, and Liberal Studies and interdisciplinary minors in African Studies, Asian Studies, Black Studies, Classical Studies, Digital Humanities and Social Sciences, Environmental Sciences, European Studies, Forensic Sciences, Latin American Studies, Native American Studies,

Peace and International Studies, Pre-Law, Perspectives in Science, Technology, and Medicine, Religious Studies, Urban Studies, and Women's Studies.

Each department provides one or more programs of specialization, which are described in detail in the catalog. Undergraduate programs are designed to provide a strong basic foundation in the chosen field and to serve as a preparation for many different careers and professional activities, as well as for graduate study. Departments within the College offer a variety of master's degree programs. The College is responsible for a large majority of the general education program; undergraduate courses in the College provide a general liberal arts education appropriate to all students. Faculty are active in basic and applied research and in professional service to the University and to the community. We invite you to learn more about the College and the academic opportunities we provide at http://www.siue.edu/artsandsciences/

School of Business

Accreditation

The SIUE School of Business is among an elite 5 percent of the 11,000 business schools worldwide that have earned the prestigious seal of approval from the Association to Advance Collegiate Schools of Business (AACSB) International. The SIUE School of Business has been accredited by AACSB International since 1975, and this assures that students receive the highest quality business education. The SIUE School of Business Accountancy program also is separately accredited by AACSB International; a distinction that fewer than 200 accredited business schools achieve and maintain.

Vision and Mission

Vision

The SIUE School of Business aspires to be recognized for its excellence in developing highly skilled professionals who shape the global business environment in an ethical, inclusive, responsible, and innovative manner.
Approved by faculty vote on 26 February 2021

Mission

The SIUE School of Business provides a high-quality, accessible business education that empowers learners to make a difference in a dynamic, diverse, and connected world.

Key Elements Of Our Mission

High quality:
We provide a high-quality business education by: (1) offering business programs that are accredited by the AACSB; (2) creating a learning environment for undergraduate, graduate, and continuing education students that fosters creativity, critical thinking, ethical behavior, sociocultural competence, and appreciation of global issues; (3) placing a strong emphasis on the application of cutting-edge business practices and technology in our business programs; (4) hiring and retaining faculty that deliver a business curriculum based on the combination of contemporary research, relevant business practice, and teaching effectiveness.

Accessible:
Our education is accessible in several ways: (1) we offer courses in fully online, hybrid, and traditional face-to-face formats, depending upon our students' and degree programs' characteristics; (2) we foster a welcoming community for students from a diverse set of backgrounds by being sensitive to their social and educational concerns; (3) we connect students with the business community in the St. Louis metropolitan area; (4) we have faculty that are excited to engage with students both during and outside of class.

A dynamic, diverse, and connected world:
We prepare our students to function and thrive in a rapidly changing global business environment by developing an appreciation of different world views, an international perspective, and technological skills in the business curriculum.

Approved by faculty vote on 19 March 2021

Strategic Objectives

- Grow undergraduate enrollment through improved outreach activities
- Enroll, retain and graduate a greater proportion of business students from underrepresented populations
- Adjust academic program portfolio to meet career opportunities
- Encourage faculty excellence in teaching, scholarship and service
- Improve student engagement/learning in online programs
- Broaden and diversify Executive Education program portfolio
- Initiate planning process for dedicated School of Business building.

Undergraduate Learning Goals

Consistent with the University, the primary focus of the School of Business long-term goals is student learning. Achieving the following goals will help students become lifelong learners and effective leaders in their professions and communities:

Content

Functional Knowledge

All undergraduate students in the School of Business should demonstrate breadth and depth of knowledge in the core business disciplines. Additionally, each student in a specialized degree program (Accountancy) should demonstrate depth of knowledge in her/his chosen discipline. Each of these degree programs has specific curricular objectives in addition to those presented in this document.

External Perspective

Undergraduate students should be prepared to manage in a dynamic and diverse business environment through awareness of

- Global, political, technological, social, economic and regulatory business contexts
- Social responsibility of organizations
- Individual responsibility and ethical behavior
- Diversity and the value that individual differences can bring to a team and organization

Skills

Interpersonal Skills

Undergraduate students should demonstrate the ability to interact effectively in a professional environment through

- Creating and delivering information using effective written and oral presentation skills
- Working effectively in a group to accomplish stated goals

Systematic Problem Solving

Undergraduate students should demonstrate the ability to apply analytical thinking to systematically solve business problems through

- Acquisition and evaluation of information
- Application of appropriate quantitative models, qualitative analyses, and information technologies
- Synthesis and analysis of key issues in an uncertain environment

Integration of Knowledge

Undergraduate students should demonstrate the ability to develop a holistic view of the business environment through the integration of their business and liberal education as well as boundary-spanning thinking that incorporates the links among business disciplines.

Approved April 18, 2013.

Business Transitions Program

The required Business Transitions program (GBA 301 and GBA 402) provides students with opportunities to complement their formal education with co-curricular educational experiences wherein they gather additional knowledge, skills and integrative experiences. GBA 301 and GBA 402 are required individualized learning courses designed to assist students with the transition into the School of Business and for developing knowledge and skills related to career planning including resume development and initial job search strategies. Students will be introduced to the concepts of individual responsibility and ethical behavior, social responsibility of organizations and global perspectives on business. Students will use the School and University resources dedicated to assisting them with the transition to a professional business environment and development of professional skills related to job search, professional networking, and interviewing as well as social etiquette. Students also learn how to research educational opportunities beyond college. Business students will also choose from a variety of seminars, events, and activities each semester which develop their business knowledge, perspective and interpersonal skills as well as assist in recognizing and experiencing integration of business knowledge and skills.

School of Business Student Services

The School of Business Student Services Office provides professional academic advisors who help students develop academic plans to meet their program requirements and provide guidance to students with academic problems. This office also assists students who seek career advice by suggesting the names of faculty and career development professionals who provide such assistance. Students should contact this office to obtain more information about the School's programs and completing degree requirements.

Cougar Business Resource Center

The Cougar Business Resource Center (CBRC), is located in Founders Hall and serves as a focal point for resources, programs, and co-curricular activities designed to support the development of cross-disciplinary skills for all undergraduate students. The facility provides students an engaging and exciting environment in which they can generate ideas, share knowledge and practice critical skills. The CBRC offers small group meeting rooms where student teams can work on assignments and practice presentations, a permanent home for School of Business student organizations, a state-of-the-art conference room, a convenient place to access online resources, and an executive-in-residence office space where experienced business executives can provide guidance and mentoring for students. The CBRC was made possible through the generosity of alumni and corporate sponsorship.

International Exchange Programs

The School of Business offers student and faculty exchange programs with business schools and universities in France, Germany, Great Britain, Hungary, Italy, and Japan. These exchange programs permit students to pay tuition and register for course work at SIUE while completing the requirements for credit at one of these international institutions. Participation in an exchange program will meet the international study requirement for the International Business specialization in the Business Administration program. Students interested in studying abroad may contact their academic advisor in Business Student Services for information.

Experiential Education - Internships and Cooperative Education Program

The School of Business encourages students to include Experiential Education while completing their academic program by participating in an Internship or the Cooperative Education Program. Students may earn academic credit for internships or have the participation noted on their academic transcripts through a non-credit bearing course (see GBA 398). The Internship Coordinator in Business Student Services coordinates credit bearing internships associated with academic programs and business courses. The Career Development Center coordinates non-credit bearing business internships associated with GBA 398. For the Cooperative Education Program, registration and enrollment in a University-sponsored cooperative education course through the Career Development Center (see GBA 399) is required.

School of Education, Health and Human Behavior

The Department of Teaching and Learning- offers teacher education programs that prepare students for teaching positions in:

- Early Childhood Education (Grade levels: birth-2nd) (degree program: BS)
- Elementary Education (Grade levels: 1st - 6th) (degree program: BS or MAT)
- Secondary Education (Grade levels: 9-12) (degree program: BS or MAT)
- Special Education (Grades: PreK-Age 22) (degree program: BS or MAT)

The Department of Psychology (BA, BS) offers a comprehensive major that prepares students for a wide variety of careers and graduate programs.

The Department of Exercise, Sport, and Nutrition Sciences (BS) offers options for students interested in exercise science, exercise physiology, nutrition and dietetics.

The Department of Public Health and Speech-Language Pathology and Audiology offers the following programs:

- The Public Health program (BS) equips students with knowledge and skills needed to improve and protect the health of communities.
- The Speech-Language Pathology and Audiology program (BA, BS) provides students scientific background for understanding communication disorders.

Admission and Advisement

Procedures vary for admission to different programs in the School of Education, Health and Human Behavior. Therefore, students should consult with the appropriate program academic advisor for specific information.

Teacher Education

All teacher education programs at SIUE are authorized under the State of Illinois Board of Education (ISBE) and accredited by the Council for Accreditation of Education Preparation (CAEP) or another accrediting body (World Languages and Theater Education are accredited by a separate body). The table below summarizes the timeline for Teacher Education programs.

Gateways & Levels	Requirements
Pre-Entry Applying to SIUE as high school seniors	• Receive admission letter • Confirm intention to enroll at SIUE by May 1
Level 1 Year 1 at SIUE (freshmen)	• Students are assigned to Office of Freshman and Transfer Advising • Meet milestones set by SEHHB Academic Advisors (GPA, credit hours) before Gateway 1
Gateway 1 Transition to SEHHB Advising	• Receive communication of transition to SEHHB Academic Advising.
Level 2 Year 2+ students at SIUE, preparing to start cohort program	• Students are assigned to an SEHHB Advisor • Upper Division application portal opens on September 1, due February 1 • Students may contact SEHHB advisors for Upper Division Application link • Program Director sends decision letter • Some transfer students fall into this category
Gateway 2 Upper Division Application, determine eligibility to start cohort program	• Initial review completed after February 1 priority deadline • Most transfer students enter through this gateway and are eligible in the Upper Division App review
Level 3 Field Placements: Junior/Year 3 Fall & Spring and Senior/Year 4 Fall	• Students will fill out Field Placement Applications for each semester, due approximately 2 weeks after semester start
Gateway 3 Eligibility for Student Teaching	• Complete at least 96 credit hours • Minimum cumulative GPA of 2.5 • No grade lower than C for professional education and required coursework • Acceptable performance during pre-student-teaching clinical experiences • Background check clear of all enumerated offenses • Complete online safety module and DCFS-Mandated Reporter • Set up ELIS account
Level 4 Student Teaching (Spring)	• Successful completion of all required program assessments
Gateway 4 Graduation & Eligibility for Illinois Professional Educator License (PEL)	• SEHHB Advisors will share information of application/deadlines and graduation requirements

Gateways 1 & 2 (Admissions and Advisement). Students may apply to be a teacher education major through direct entry as a freshman or any time before the spring of their sophomore year. For admission into any program in teacher education, a student must meet Gateway 1 & 2 program eligibility requirements and have received a decision letter from the Major Program Director. Attaining the minimum criteria does not guarantee admission and program-specific criteria may change due to state policies, program resources, and the size of an applicant pool. Junior and senior transfer students should contact an advisor for application information during or before orientation. Students can contact the Student Services Office at 618-650-3940 to schedule an appointment with an SEHHB advisor.

Gateway 3 & 4 (Eligibility for Student Teaching and Educator Licensure). Upon successful completion of Gateways 1 & 2, teacher candidates must pass the appropriate content tests (required for the student teaching placement), the CPAST and other applicable tests, to qualify students for a teaching license in the State of Illinois and may apply for teaching licensure in other states. To be recommended for licensure, the State of Illinois does not allow grades lower than C in any professional education, endorsement, or specified general education courses to count towards licensure. The licensure officer verifies each student has completed all requirements and recommends the student for licensure.

Please note that programs are subject to change to reflect the current state licensure requirements and could result in revised standards, programs, testing requirements, and teaching licenses. It is important that all prospective and current candidates work closely with their advisors to remain current about course and curriculum changes affecting progress through the programs.

Criminal Background Checks. Prior to any field placements, candidates must pass a criminal background check and be free of any offenses which would prohibit one from receiving licensure from the Illinois State Board of Education. Illinois law requires Illinois school boards to conduct a criminal background investigation on applicants for employment. This law prohibits the employment of any person who has been convicted of committing or attempting to commit any one or more of a number of offenses. At present, offenses include, but are not limited to, first degree murder, any Class X felony; juvenile pimping, soliciting for a juvenile prostitute; exploitation of a child; obscenity; child pornography; harmful material; criminal sexual assault; aggravated criminal sexual assault; criminal sexual abuse; aggravated criminal sexual abuse; offenses set forth in the Cannabis Control Act; and crimes defined in the Illinois Controlled Substances Act. Employment must be denied whether the offenses and /or conviction occurred inside or outside Illinois.

Clinical Experiences – Level 3 & 4. Clinical experience is required in the area for which a student seeks licensure. Students must pass the criminal background check and complete Illinois requirements for safety education before they start Clinical Experiences. There may also be additional district requirements with associated costs to be covered by the student. The School of Education, Health and Human Behavior Educator Preparation office will notify candidates of these requirements. Students should contact their advisor or SEHHB-EdPrep@siue.edu for deadlines and additional information about the student teaching application process.

Student teaching is the culminating experience in professional teacher education programs and generally occurs in the Spring semester. Student teaching is required to complete the licensure requirements of Illinois as well as accreditation standards. Student teaching requires full-day involvement in a public school. Accordingly, students should plan to treat the student teaching semester as a full-time job with as few outside obligations as possible. Student teaching is not available during the summer term.

The School of Education, Health and Human Behavior Educator Preparation office maintains the

responsibility for Clinical Assignments. Most pre-student teaching clinical assignments and student teaching placements are identified partner schools and school districts within 40 miles of the university. Pre-student teaching clinical experiences and student teaching will provide teacher candidates with a breadth of experiences in diverse settings. Teacher candidates must provide their own transportation to and from assigned placement locations for pre-student teaching and student teaching clinical experiences. In general, students may not be placed in a school from which they attended, regardless of the date of their last attendance. Students may not be placed in a school where a potential conflict of interest might exist.

Exceptions to the above requirements are only made by disclosing hardship during the clinical placement application process, filing an Appeal or special approval through the Self-Placement process. Students must disclose any of the following hardships when filling out their Field Placement Observation application:

- Transportation
- Medical (must be registered with the ACCESS department at SIUE)
- Family obligations
- Change of Address
- Work/Financial
- Dual Major/Course conflict
- Job opportunity
- Differences in perspective between student and cooperating teacher

Student teaching assignments begin and end on the dates indicated on the student teacher's official confirmation letter. Students who are student teaching in the fall semester are expected to attend all start of the school year district and school meetings/workshops with their cooperating teachers prior to the start of the first day of student attendance. Students who are student teaching in the spring semester are expected to begin their student teaching experience on the first day of student attendance after the winter break of their host school. The student teaching experience will end the week prior to finals. Students wishing to continue in their host classroom during or after finals week should consult with the cooperating teacher and SIUE supervisor. During the SIUE student teaching semester, all SIUE student teachers must adhere to the school calendar (i.e. vacations, school holidays, etc.) of the school to which the student has been assigned to student teach.

Self-Placement – Job Embedded Placements – applies only to students enrolled in a traditional undergraduate program. For Traditional undergraduate students who are either already employed in a school district or will be employed in a school district, and requesting exemption to the following policies

- Cannot be placed in a district they attended or relative is employed
- And must meet the following criteria:
  - Already employed in a school district as a paraprofessional, teacher assistant or coach
  - Employment pending for a future semester (i.e. currently spring but will be employed beginning Fall)
  - Completion of the Self-Placement Form signed by school administrator and major Program Director for approval
  - Current IL State Police Background Check on file with the school district

Permission to Short-Term or Long-Term Substitute Teach. For any student interested in being a short-term substitute while student teaching must meet the following

- ISBE issued substitute license

- Complete substitute form and file with the Director of Placements, Educator Preparation Office
- Signatures are required by cooperating teacher and placement supervisor

Long-term substitution must include a letter of support from the building principal which includes

- Start and end date of long-term substitution assignment
- Name of cooperating teacher who will mentor teacher candidate during long term substitution assignment
- Include how student will be in a supportive environment and receive consistent feedback and evaluation
- Meet weekly (at a minimum), with cooperating teacher
- Signatures on form required by cooperating teacher, placement supervisor and building Principal.

School of Education, Health and Human Behavior Denial of Recommendation for Teacher Licensure Grievance Policy: In compliance with the Illinois School Code (105 ILCS 5/21-21.1), no SIUE student shall be denied the opportunity to receive the institutional recommendation for teacher licensure for reasons which are not directly related to the candidate's anticipated performance as a licensed employee. Any SIUE candidate who has completed a teacher education program and who is denied teacher licensure shall be afforded a means for grieving the denial by the following procedure.

- Within 10 days of the denial, the program director shall notify the candidate, in writing, of the reasons for the denial of recommendation for licensure using the disposition alert form.
- Within 30 days of notification of the denial, the candidate may request the licensure officer review the denial. This request shall be in writing and should be directed to the School of Education, Health and Human Behavior Licensure Officer.
- After an additional 30 days to complete the review, the candidate shall be notified in writing of the decision to uphold or change the denial.
- Within 10 days of notification, the candidate may appeal the School of Education, Health and Human Behavior's decision to the Illinois State Teacher Licensure Board.

This SIUE teacher licensure grievance policy applies only to denial of licensure for candidates within the approved School of Education, Health and Human Behavior teacher licensure programs. All other grievances should proceed through the SIUE Student Grievance Code. SIUE's current Student Grievance Code provides all students with a grievance procedure as a means for students to grieve faculty and staff members for violations of their student rights as set forth in the SIUE Student Grievance Code.

Appeal Process: Students wishing to appeal a pre-student teaching and/or student teaching placement decision are expected to follow the steps outlined below, in accordance with University policy:

- The student has the option to file an appeal to the School of Education, Health and Human Behavior Educator Preparation Director of Field Placements. The School of Education, Health and Human Behavior Director of Field Placements will consult with the appropriate departmental faculty, supervisors, and/or PK-12 school personnel to make a final recommendation about the placement. This decision will be made within 10 business days of receipt of the student's appeal form.
- Students have the right to formally appeal the decision rendered by following the SIUE Student Grievance Code as outlined in the Student Rights and Conduct.

General Education Waiver: Undergraduate programs leading to initial licensure of early childhood education, elementary education, special education, and mathematics education have agreed to accept an associate's degree (associate of arts, associate of science, associate of science and arts, and associate of arts in teaching) from an approved community college in accordance with SIUE's general waiver policy (please refer to SIUE catalog for current policy). The completion of any degrees specified above

will waive general education requirements for early childhood, special education, and secondary mathematics education program. However, it must be noted that the candidate cannot be licensed in Illinois unless all professional education courses and courses required by the major are earned with a grade of C or better. Students receiving a general education waiver must complete all university requirements for graduation. Please see graduation requirements for more information.

School of Engineering

The School of Engineering offers the bachelor of science degree with majors in civil engineering, computer science, computer engineering, construction management, cybersecurity engineering, electrical engineering, industrial engineering, mechanical engineering, mechatronics and robotics engineering, and surveying & geomatics, and a bachelor of arts degree in computer science. The bachelor's degree programs in civil engineering, computer engineering, electrical engineering, industrial engineering, mechanical engineering, and mechatronics and robotics engineering are accredited by the Engineering Accreditation Commission of ABET, www.abet.org. The bachelor of science program in computer science is accredited by the Computing Accreditation Commission of ABET, www.abet.org. The construction management program is accredited by the American Council for Construction Education, www.acce-hq.org.

School of Engineering Mission Statement

The mission of the School of Engineering is to provide excellent, innovative engineering, computer science and construction education to citizens of Illinois, the greater St. Louis metropolitan area and representatives of the global community. The school focuses on strong undergraduate education and graduate programs that serve the needs of full-time students and employed professionals. Faculty conduct basic and applied research and outreach activities in partnership with others who contribute to technological advancement in the fields of study offered.

School of Engineering Vision Statement

The vision of the School of Engineering is to be a partnership of faculty, students, staff, alumni and other professionals who work together to provide the highest quality education and maintain innovative resources that support the technical growth and economic development of this region.

School of Engineering Core Values

The school's faculty strive to exhibit and to instill in each graduate the following characteristics:

- technical excellence in their disciplines
- desire for excellence in all they do
- respect for the rich diversity of humankind
- effective communication capabilities
- ability to provide leadership in innovative multidisciplinary teams
- social, civic, and political responsibility built on an understanding of contemporary issues
- commitment to ethical professional conduct and practice
- environmental stewardship
- independent and innovative thought
- pursuit of lifelong learning

Students interested in any of the degree programs offered by the School of Engineering should seek advice from the School of Engineering when they initially enroll in the University.

Admission to the School of Engineering

First-time freshmen students that meet ONE of the following criteria will be automatically admitted to SIUE and eligible for Direct Entry to the the School of Engineering. Current University admission standards are:

- Cumulative 2.6 high school GPA (4.0 scale)
- Cumulative 2.0 high school GPA (4.0 scale) AND 990 SAT ERW + M OR 19 ACT
- Rank in Top 10% high school graduating class

Transfer students who have attempted at least 30 semester hours in courses at accredited institutions will be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering provided they have earned a minimum cumulative 2.0 GPA (4.0 scale) in coursework at the previous accredited school(s) attended.

Transfer students who have attempted fewer than 30 semester hours in courses at accredited institutions must meet transfer admission criteria AND first-time freshmen criteria to be automatically admitted to SIUE and eligible for Direct Entry to the School of Engineering.

Admission to School of Engineering Programs

Students admitted to programs offered by the School

of Engineering shall have met University admission requirements and the following additional School of Engineering requirements:

- Eligibility to enroll in MATH 125 – Pre-calculus or higher.
- Students must maintain a grade point average of at least 2.0 on a 4.0 scale.

Students who are considering a major in any School of Engineering program should contact the Office of Engineering Student Services, telephone 618-650-5300, or the Dean's Office, telephone 618-650-2541. Early declaration and advisement by the School of Engineering will enable students to enroll in courses that are major-restricted, and to complete their programs with minimum conflicts within the shortest possible time.

Declaring Major

Students admitted to the School of Engineering may enter as Pre-Engineering students and remain at this status until they take 300- level engineering courses. Pre-engineering students are advised by the Office of Engineering Student Services according to the students' intended plan of study within the School. Pre-engineering students do not pay differential tuition, which is assessed to all other students in the School of Engineering. Once a student takes 300-level engineering courses, the student must then declare a major in one of the programs within the School of Engineering.

Transfer Students

Transfer students wishing to enter one of the programs offered by the School of Engineering should contact Engineering Student Services for transfer credit evaluation at least 30 days before the beginning of the term for which entry is desired. Students must supply copies of the pertinent transcripts and any other materials such as course descriptions or syllabi that may be needed for the evaluation. Only chemistry, computer science, mathematics, physics, and engineering science courses completed with a grade of C or better will be considered for transfer credit toward completing a major or minor in the School of Engineering. In addition, only courses that are part of an ABET-accredited engineering program and that have been completed within the last 10 years will be considered for transfer credit toward any 300- or 400-level engineering course requirement.

Transfer students who satisfy part or all of the University general education requirements by transfer courses or a previous degree must also satisfy the School of Engineering humanities and social sciences requirements for the bachelor of science degree. Any remaining humanities and/or social sciences requirements will be specified by an advisor in the Office of the Engineering Student Services.

Services to Students

The School of Engineering provides a multitude of support services to its students. These services include orientation for new services, advisement, counseling and assistance in networking, tutoring and mentoring, internship placement, and career planning. For more information, contact the Office of Engineering Student Services, telephone 618-650-5300, or the Dean's Office, telephone 618-650-2541.

School of Nursing

Program Description and General Department Information

The School of Nursing prepares future nursing leaders who reflect the fundamental values of SIUE. The school offers a bachelor's degree with a major in nursing for non-nurses with or without a previous college degree, and for registered nurses with associate degrees or diplomas in nursing. The program prepares a generalist in professional nursing, and prelicensure graduates are eligible to take the NCLEX-RN examination for licensure as a registered nurse. The school of nursing does not guarantee international students will be able to license or work in the US or home country after completion of the program. Licensure is regulated by each of the US states and its territories. More information is available from the National Council State Board of
Nursing https://www.ncsbn.org/licensure.htm

Nursing is defined as the protection, promotion and optimization of health and abilities, prevention of illness and injury, alleviation of suffering through the diagnosis and treatment of human response, and advocacy in the care of individuals, families, communities and populations and occurs wherever there is a need for patient care and whenever there is a need for nursing knowledge, compassion, and expertise (ANA, 2002, Social Policy Statement.)

Nursing courses build on a foundation in the liberal arts and sciences and are concentrated in the last six semesters of study. The undergraduate nursing curriculum is built on the curricular themes of knowledge of nursing practice, person-centered care, population health, the scholarship of practice, quality and safety, interprofessional partnerships, systems-based practice, information and healthcare technology, professionalism and personal/professional leadership. Learning is viewed as an active search by the learner in constructing and reconstructing knowledge. Learning involves social interaction that promotes a process of becoming a member of a sustained community of practice. The goal of learning is to develop a response based practice and the capability to recognize the nature of a whole situation with the ability to prioritize concerns. To achieve this, experiential and situated learning are hallmarks of nursing education. Clinical and laboratory experiences are an integral part of the nursing major. Health care agencies in Central, Southern, and Southwestern Illinois and in the greater St. Louis area cooperate with the School of Nursing in providing opportunities to practice clinical skills and apply theoretical knowledge.

Faculty are nationally recognized experts in nursing care and their expertise represents a wide range of specialties. All faculty have advanced preparation in nursing and maintain an active role in clinical practice, research, scholarly inquiry and professional service.

Mission Statement

The Southern Illinois University Edwardsville (SIUE) School of Nursing faculty and staff educate, empower, and support diverse learners to achieve excellence in nursing.

Characteristics of the Graduates

Upon completion of the baccalaureate nursing program, the student:

- appraises all aspects of health care situations and consequences of chosen actions.
- chooses effective communication approaches using strategies and theories integral to the practice of nursing.
- designs effective responses to identified health care concerns.
- initiates investigation of professional issues.
- integrates knowledge of human diversity and the effects of health and social policies on populations.
- integrates personal and professional ethical code into professional practice.
- incorporates understanding of moral judgments into determining ethical issues.

School of Pharmacy

Vision Statement

Southern Illinois University Edwardsville School of Pharmacy will be a national model for exceptional pharmacy education, patient-centered care and innovative research.

Mission Statement

Southern Illinois University Edwardsville School of Pharmacy is an interdisciplinary educational community dedicated to the preparation of pharmacy professionals, scholars and leaders to improve the health and well-being of the region and beyond.

Goals

The goals of the School of Pharmacy are:

- Advance innovative education, service and scholarship programs
- Promote faculty and staff development and support
- Foster prospective pharmacy students
- Expand and support professional growth of students and alumni
- Cultivate diversity and inclusiveness
- Identify, develop and sustain external relations and financial support

School of Dental Medicine

School of Dental Medicine students manage approximately 35,000 patient visits each year at the School's patient clinics in Alton and East St. Louis. In addition, students offer oral health treatment, screenings and education to more than 10,000 people annually through a wide variety of off-campus community outreach events. These opportunities provide students the training they need to graduate and become highly skilled dentists. The School of Dental Medicine is a vital oral health care provider for residents of Southern and Central Illinois, and the St. Louis metropolitan region.

SDM MISSION, GOALS AND VISION

MISSION:

The mission of Southern Illinois University School of Dental Medicine is to educate dentists and improve the oral health of the region through patient care, research/ scholarship and service.

VISION:

The School of Dental Medicine will be nationally recognized for excellence in evidence- based dental education that is delivered in an environment of inclusiveness and respect.

GOALS:

The Goals of the Southern Illinois University School of Dental Medicine are:

Education

- Provide predoctoral and postdoctoral students with a quality education that integrates evidence-based knowledge and skills in the clinical, biomedical, and behavioral sciences necessary to become competent and proficient practitioners.
- Develop practitioners who think critically, value life-long learning and exhibit ethical decision-making and professionalism.
- Support continuous improvement and innovation in the education of predoctoral and postdoctoral students.

Patient Care

- Provide comprehensive and patient-centered dental care for patients in our clinics.
- Improve access to oral health care in the region through SDM clinical programs and the future practice of our graduates.

Research / Scholarship

- Provide an environment for the faculty and students that promotes, encourages and supports research/scholarship.
- Provide an environment that promotes collaborative research/scholarly activities among School, University and external colleagues.

Service

- Address the oral health needs of the region through continuing dental education, oral health literacy and community service efforts.
- Provide leadership and service through faculty, staff and student participation in University, community and professional activities.

Inclusiveness

- Provide a welcoming and supportive environment for all students, faculty, staff and patients.
- Support diversity in all aspects of professional education, respecting individual cultures and beliefs.

Support

- Provide students with appropriate support to develop their full academic potential.
- Provide faculty and staff support appropriate to their career needs and future advancement.

For more information about our school please visit our website at siue.edu/dental.

Graduate School

Committed to providing opportunities for individuals to advance their knowledge and skills and to pursue impactful scholarly activities, the SIUE Graduate School supports high-quality graduate education, fosters intellectual development, and facilitates excellence in research and creative activities. A wide variety of programs and credential opportunities are available, including opportunities within some programs to start on a graduate degree while completing an undergraduate degree.

For admission information, go to Rendleman Hall, Room 2120, or visit siue.edu/graduate-admissions.

Course Descriptions

Frequency of Course Offerings

The following characters are noted in the course description to indicate the terms in which the class is typically offered. When Occasionally or Infrequent is present, this indicates that the course is offered infrequently or not offered in regular term intervals. For example, it may be offered one year in the summer and another in the fall or not offered annually. These notations may be used for planning, but should not be relied upon for a guarantee of availability. Students should consult CougarNet each term to explore the courses available for the term.

- F — Fall
- aF — Alternating Fall
- S — Spring
- aS — Alternating Spring
- M — Summer
- aM — Alternating Summer

Designations Used in Course Descriptions

Some courses listed in this section of the catalog will fulfill general education requirements. The following abbreviations, when listed with the course description, indicate how the course may be used to meet general education requirements. The specific components of the Lincoln Program are:

Foundations

All students are required to take five (5) Foundations courses which develop competencies in written and oral communication, logic, and quantitative literacy that form the bases of information literacy and scientific literacy.

- [FQR] Foundations/Quantitative Reasoning
- [FRA] Foundations/Reasoning & Argumentation
- [FSPC] Foundations/Oral Communication
- [FW1] Foundations/Written Expression 101
- [FW2] Foundations/Written Expression 102

Breadth Areas

All students are required to take six (6) Breadth courses (one from each of the following areas) which provide the opportunity to explore the breadth of human knowledge by introducing students to the principles, substance, and methodology of disciplines beyond their major. These courses are distributed across six Breadth Areas: Fine and Performing Arts, Humanities, Information and Communication in Society, Life Sciences, Physical Sciences, and Social Sciences.

- [BFPA] Breadth Fine and Performing Arts
- [BHUM] Breadth Humanities
- [BICS] Breadth Information and Communication in Society
- [BLS] Breadth Life Sciences
- [BPS] Breadth Physical Sciences
- [BSS] Breadth Social Sciences

Interdisciplinary Studies

All students are required to take one (1) course with an Interdisciplinary Studies attribute to foster awareness of the interrelationships among branches of human knowledge.

- [IS] Interdisciplinary Studies

Experiences

Experience Health [EH]: All students are required to take a course or complete an approved project or activity that explores at least one component of health: physiological, psychological (including emotional and spiritual health aspects), or social.

Experience Laboratory [EL]: All students are required to take a laboratory course in order to develop scientific literacy that helps shape informed citizens.

Experience U.S. Race, Gender, and Equity [ERGU]: All students are required to take a course or complete an approved project or activity that introduce students to the ideas, history, values, and/or creative expressions of diverse groups within the United States, as well as issues of inequality, inequity, and social change among various groups, with an aim of developing racial, gender, and cultural literacy, and appreciation of differences as well as commonalities among people, a critical awareness of how structural and cultural forces have shaped inequality.

Experience Global Cultures, Race, and Equity Education [EREG]: All students are required to take a course or complete an approved project or

activity that will introduce students to societal and cultural characteristics, issues, or levels of organization as exhibited by societies and cultures in countries other than in the United States, and must focus on diversity and include issues of inclusion, inequality, inequity, and social change.

For additional resources on general education requirements, please visit: siue.edu/registrar/services/graduation/general-education-guides.shtml.

Accounting (ACCT)

ACCT 200 - Fundamentals of Financial Accounting - 3 (FMS)

Concepts of financial accounting and external reporting. Nature and measurement of assets, liabilities, equities, revenues, expenses. Emphasis on use and understanding of external financial statements. IAI Course BUS 903.

Attributes: IBUS

ACCT 210 - Managerial Accounting - 3 (FMS)

Information accumulation, analysis, and use in managerial decisions. Cost-volume-profit relationships; short- and long-term decisions; standards and budgets; segment and managerial performance evaluation. IAI Course BUS 904.

Attributes: IBUS
Prerequisites: ACCT 200 Minimum Grade of C.

ACCT 301 - Intermediate Accounting Theory and Practice I - 3 (FMS)

Financial accounting concepts and procedures; and measurement and reporting methods with respect to assets, liabilities, owners' equity, revenues and expenses, authoritative pronouncements. Accounting, CMIS, Economics or Finance, Business Administration majors only.

Prerequisites: ACCT 200 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Sophomore; Senior

ACCT 302 - Intermediate Accounting Theory and Practice II - 3 (FMS)

Continuation of ACCT 301. Selected complex accounting issues from a theoretical and practical viewpoint: pensions, leases, tax allocation, changing prices, other reporting and disclosure issues.

Prerequisites: ACCT 301 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy

ACCT 303 - Intermediate Accounting Theory and Practice III - 3 (FS)

Continuation of ACCT 302. Emphasis of conceptual understanding and the ability to apply financial accounting concepts to practice. Topics include the statement of cash flows and accounting for leases, pensions, deferred taxes. Prerequisites: Good standing in Accountancy Program.

Prerequisites: ACCT 302.
Restrictions: Must be enrolled in one of the following Majors: Accountancy, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ACCT 311 - Managerial and Cost Accounting I - 3 (FS)

Costs for financial accounting and managerial decision making in changing competitive, service, and manufacturing environments; behavioral, quantitative, and computer applications; extensive communication and analytical skills development.

Prerequisites: ACCT 200 Minimum Grade of B AND MS 251 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Sophomore; Senior

ACCT 312 - Managerial and Cost Accounting II - 3 (FS)

Short-and-long term decision making and operational control in changing competitive, service, and manufacturing environments; behavioral, quantitative, and computer applications;

continuation of communication and analytical skills development.

Prerequisites: ACCT 210 Minimum Grade of C or ACCT 311 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ACCT 315 - Accounting Systems - 3 (FMS)

Accounting systems, concepts, design, information needs and flows; special emphasis on internal control.

Prerequisites: ACCT 200 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Majors: Accountancy, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ACCT 321 - Introduction to Taxation - 3 (FMS)

Survey of federal tax laws applicable to individuals, corporations, estates, and trusts.

Prerequisites: ACCT 200 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Majors: Accountancy

ACCT 340 - Business Law for Accountants - 3 (FS)

Accounting and auditing implications of legal issues. Includes securities laws and uniform commercial code areas of sales; commercial paper; secured transactions; partnerships; corporations; agency; and bankruptcy.

Prerequisites: ACCT 200 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Business Administration,Business Economics,Business Economics and Finance,Computer Management and Info Sys,Economics and Finance, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ACCT 396 - Undergraduate Internship in Accountancy - 3 (S)

Accounting work experience with a non-SIUE organization providing students the opportunity to apply accounting knowledge in the workplace. Minimum work requirement of 120 hours.

Prerequisites: ACCT 301 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Dept Chair-Program Director

ACCT 401 - Advanced Financial Accounting - 3 (FMS)

Accounting principles and procedures related to special entities, including: governmental units, partnerships, and multi-corporate entities; and foreign transactions. Primary emphasis on business combinations and consolidated financial statements.

Prerequisites: ACCT 302.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Accountancy

ACCT 421 - Advanced Taxation - Individual - 3 (MS)

U.S. federal taxes for individuals. Includes compliance, tax research and tax planning strategies for individual taxpayers.

Prerequisites: ACCT 321 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Accountancy

ACCT 431 - Principles of Auditing - 3 (MS)

Auditor's decision process; understanding client's business; development of working papers, audit tests, statistical sampling applications, and EDP systems; preparation of audit report and current pronouncements.

Prerequisites: ACCT 302 AND ACCT 315.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Accountancy, May not be enrolled as the following Classifications: Junior; Sophomore

ACCT 441 - Data Analytics for Accounting - 3 (FS)

A user approach to accounting data analytics. Internal controls. Creating, importing, safeguarding, exporting and analyzing data. Data analysis for decision making using various software platforms.

Prerequisites: ACCT 315 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Accountancy,Accountancy, May not be enrolled as the following Levels: Professional, Must be enrolled in one of the following Colleges: School of Business

ACCT 490 - Independent Study in Accounting - 1 to 6 (M)

Topical areas in greater depth than regularly titled courses permit; individual or small group readings or research projects. May be repeated up to a maximum of 6 hours provided no topic is repeated.

Restrictions: Must be enrolled in one of the following Majors: Accountancy,Accountancy
Registration Consent: Dept Chair-Program Director

Applied Communication Studies (ACS)

ACS 101 - Public Speaking - 3 (FMS)

Theories; strategies; techniques for researching, organizing, outlining, and delivering speeches. Emphasis on speaking skills in professional and academic contexts. IAI Course C2 900.

Attributes: FSPC, IAC

ACS 103 - Interpersonal Communication Skills - 3 (FMS)

Principles and practices of oral communication emphasizing message formation and delivery; listening; perception; awareness of verbal and nonverbal codes; and managing conflict.

Attributes: BICS, EREG, ERGU, EUSC, FSPC

ACS 200 - Advanced Public Speaking - 3 (FS)

Developing and delivering speeches, presentations, and briefings in corporate and professional settings. Models and strategies for technical presentations and group and business meetings.

Attributes: BICS, HUM

Prerequisites: SPC 101 OR SPC 105 OR ACS 101.

ACS 201 - Small Group Communication - 3 (FS)

Principles, theories, models, methods of group formation, discussion, and decision making. Current problems used as focus for exploring group behavior.

Attributes: BSS

ACS 203 - Introduction to Organizational Communication - 3 (FMS)

Principles, theories, and organizational skills necessary to function effectively as professionals. Topics include: motivation, goal setting, feedback, delegating, and resolving conflicts.

Attributes: BICS, HUM

ACS 204 - Oral Argumentation - 3 (S)

Theories; strategies; techniques for researching, analyzing, constructing, and presenting oral arguments for and against selected contemporary topics and issues. Emphasis on in-class presentations.

Attributes: BICS, HUM

ACS 210 - Interracial Communication - 3

Personal dimensions of intergroup communication, especially the interaction of black and white Americans.

Attributes: BSS, EUSC

ACS 213 - Introduction to Public Relations - 3 (FMS)

Contemporary theories and practices emphasizing communication skills. Lectures, PR simulations, guest practitioners. Appropriate for majors in any academic area. Students in the PR track must receive a grade of C or better.

Attributes: BICS, HUM

ACS 261 - Oral Interpretation of Literature - 3 (F)

Principles and skills in selecting, editing and presenting literature in an oral reading format.

Attributes: BFPA
Prerequisites: SPC 101 OR SPC 105 OR SPC 204 OR ACS 101 OR ACS 204.

ACS 270 - Risk and Crisis Communication - 3 (S)

This course focuses on communication about risk and hazards related to individual and population health, and communication strategies before, during, and after public health crises.

Attributes: BSS

ACS 300 - Communication in Interviewing - 3 (FMS)

Maintaining effective interaction in interviews, developing questions, gathering information, building rapport. Resume creation and critiques. Emphasizes perspective of both interviewer and interviewee with video analysis.

Attributes: BICS, HUM

ACS 303 - Communication Training and Development - 3 (F)

The study and application of communication training in business. Students will gain practical knowledge in training design, training methods and evaluation, adult learning theory. Development efforts will also be examined.

Attributes: BICS
Prerequisites: ACS 203 OR SPC 203.

ACS 304 - Conflict Management and Communication - 3 (FMS)

The study and practice of effective conflict management techniques including mediation, negotiation, and active listening strategies. Highlights the interdependence between communication, conflict, and professional growth.

Attributes: BICS

ACS 305 - Listening - 3 (FS)

Examination of process of experiencing meaning in messages. Opportunity to diagnose personal listening skills; learn relevant theory and models; and practice effective listening styles.

Attributes: BICS, HUM

ACS 309 - Independent Projects in Applied Communication Studies - 1 to 6 (S)

Projects in communication field studies, independent readings, presentations, etc. Specific assignment to be developed by student in consultation with speech communication faculty member prior to enrollment. Credits variable; may be repeated up to a maximum of 6 hours cumulative, three (3) of which may count toward a speech communication major.

Registration Consent: Dept Chair-Program Director

ACS 311 - Intercultural Communication - 3 (FMS)

This course examines the processes, assumptions and barriers in intercultural encounters. Theories of cognition and communication will be explored.

Attributes: BSS, EGC, EREG, ERGU, EUSC

ACS 312 - Public Relations Theory and Application - 3 (FS)

Advanced study of PR theories and practices introduced in the introduction to public relations course (ACS 213/SPC 213). Focus on approaches proposed by researchers and applied by practitioners, and implications of such approaches.

Attributes: BICS
Prerequisites: SPC 213 OR ACS 213.

ACS 313 - Public Relations Writing - 3 (FS)

Advanced study & application of practices introduced in ACS 213 (formerly SPC 213). Emphasis on developing communication materials for PR campaigns.

Attributes: BICS, HUM
Prerequisites: SPC 213 Minimum Grade of C OR ACS 213 Minimum Grade of C.
Corequisites: ACS315

ACS 315 - Technology Applications in Public Relations - 3 (FS)

Study of electronic technologies in public relations practices; planning and evaluative strategies for

online public relations; development of competence in use and design of basic desktop and online public relations.

Attributes: BICS, HUM
Prerequisites: SPC 213 Minimum Grade of C OR ACS 213 Minimum Grade of C.
Corequisites: ACS313

ACS 323 - Interpersonal Communication Theory and Applications - 3 (S)

Explores beginning, maintaining and ending relationships. Emphasizes gender, racial and cultural influences; power; self-image; and metACSmunication. This course contains both theoretical and experimental approaches to personal relationships.

Attributes: BSS
Prerequisites: SPC 103 OR ACS 103.

ACS 329 - Communication Research Methods - 3 (FMS)

Contemporary methods applicable to analysis of human communication processes. Includes logic of research design and statistical reasoning. Practical experience with communication survey research design.

Attributes: BSS
Prerequisites: ACS 103.
Registration Consent: Advisor

ACS 330 - Theories of Communication - 3 (FMS)

Contemporary and significant historical approaches to developing and testing theories and models of the process of human communication.

Attributes: BSS
Prerequisites: ACS 103.

ACS 331 - Gender and Communication - 3 (MSaF)

Investigation of the influences of gender on the communication process. Activities, exercises and presentations sensitize students to gender influences on verbal and nonverbal communication. Same as WMST 331.

Attributes: BSS, ERGU, EUSC

ACS 370 - Health Communication - 3

Examines the role of communication and culture in general models of health and illness, caregiver-patient relationships, social support, and health campaigns.

Attributes: BSS, EREG, EUSC

ACS 3SIU - SIU Shared Course - 1 to 5

This course is for SIUE students who are enrolled in the SIU System Online Course Sharing program.

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.
Registration Consent: Registrar

ACS 403 - Organizational Communication Theory and Applications - 3 (F)

Diagnosing communication problems in organizations and implementing solutions. Research methods and theoretical applications in organizational communication.

Attributes: BSS
Prerequisites: SPC 203 OR ACS 203.

ACS 409 - Senior Project in Corporate and Organizational Communication - 3 (S)

Application of organizational communication theories to service learning project, where students summarize and present their experience to faculty. NOT FOR GRADUATE CREDIT.

Prerequisites: (SPC 329 Minimum Grade of C OR ACS 329 Minimum Grade of C) AND (SPC 330 Minimum Grade of C OR ACS 330 Minimum Grade of C) AND (SPC 200 Minimum Grade of C OR ACS 200 Minimum Grade of C) AND (SPC 403 Minimum Grade of C OR ACS 403 Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

ACS 411 - Analysis of Political Communication - 3

Role of communication in politics. Topics include speech preparation, delivery, image promotion, public opinion formation, lobbying behavior as factors in political communication strategies.

Attributes: BICS, HUM

ACS 413 - Case Studies in Public Relations - 3 (FS)

Strategies and critical analyses of ethical issues and approaches in the social and political atmosphere of public relations.

Attributes: BICS, HUM
Prerequisites: ACS 213 Minimum Grade of C OR ACS 203 Minimum Grade of C.

ACS 414 - Public Relations Campaigns I: Research and Planning - 3 (FS)

Research and planning stages of public relations campaigns, leading to development of comprehensive public relations campaign proposals and formal presentations to clients. Fulfills part of the Senior Project requirement.

Attributes: BICS, HUM
Prerequisites: (ACS 200 OR SPC 200) AND (ACS 312 OR SPC 312) AND (ACS 315 OR SPC 315) AND (ACS 413 OR SPC 413) AND (ACS 213 Minimum Grade of C OR SPC 213 Minimum Grade of C) AND (ACS 313 Minimum Grade of C OR SPC 313 Minimum Grade of C) AND (ACS 329 Minimum Grade of C OR SPC 329 Minimum Grade of C) AND (ACS 330 Minimum Grade of C OR SPC 330 Minimum Grade of C).

ACS 415 - Public Relations Campaigns II: Implementation and Evaluation - 3 (S)

Implementation and evaluation stages of public relations campaign, culminating with organization of special event and formal presentations to faculty. Fulfills part of the Senior Project requirement.

Attributes: HUM
Prerequisites: (ACS 414 OR SPC 414).
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

ACS 416 - International Public Relations - 3

Upper level course providing opportunities to gain hands-on experience in public relations by undertaking and or reflecting on study abroad experiences. Examination of the impact of cultural and socio-political differences on public relations practices.

Attributes: BICS, EGC, EREG, ERGU

ACS 419 - Special Topics in Speech Communication - 3

Variable content course emphasizing pertinent contemporary communication issues. May be repeated for total of 9 hours as long as no topic is repeated, 3 of which may count toward an ACS major. Contact the Department of Applied Communication Studies for current topic.

Attributes: HUM

ACS 421 - Computer-Mediated Communication - 3 (F)

Focuses on characteristics of CMC and how CMC functions in various contexts with the intention to familiarize with several concepts and theories.

Attributes: BICS
Prerequisites: ACS 103 OR SPC 103.

ACS 422 - Family Communication - 3 (F)

Focus on communication functions and behavior within families which develop, maintain, enrich, or limit family relationships.

Prerequisites: ACS 103 OR SPC 103.

ACS 424 - Senior Project in Interpersonal Communication - 3 (S)

Designed for students in the interpersonal communication track. Students conduct an original investigation of an interpersonal communication phenomenon individually or as a group.

Prerequisites: (SPC 200 Minimum Grade of C OR ACS 200 Minimum Grade of C) AND ; (SPC 201 Minimum Grade of C OR ACS 201 Minimum Grade of C) AND ; (SPC 323 Minimum Grade of C OR ACS 323 Minimum Grade of C) AND ; (SPC 329 Minimum Grade of C OR ACS 329 Minimum Grade of C) AND ; (SPC 330 Minimum Grade of C OR ACS 330 Minimum Grade of C) AND ; (SPC 421 Minimum Grade of C OR ACS 421 Minimum Grade of C) AND ; (SPC 422 Minimum Grade of C OR ACS 422 Minimum Grade of C) AND ; (SPC 434 Minimum Grade of C OR ACS 434 Minimum Grade of C.;

Restrictions: Must be enrolled in one of the following Majors: Applied Communication Studies,Speech Communication

ACS 425 - Communicative Aspects of Death and Dying - 3

This course focuses on communicative aspects of death and dying. This includes the bereavement process, grief work, coping, and components of social support.

Attributes: BSS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Advisor

ACS 426 - Communication and Emotion - 3

Introduces a broad spectrum of concepts, processes, and communication theories on emotions, cognitions, and behaviors and focuses on applying these to daily interactions.

Attributes: BSS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Advisor

ACS 430 - Persuasion and Social Influence - 3 (S)

The study of contemporary persuasion theories and research toward a clear understanding of the process of social influence; application of concepts in analysis of persuasive messages.

Attributes: BICS, HUM

ACS 431 - Public Relations Visual Communication - 3 (M)

The study of perceptual and cognitive aspects of visual communication useful for awareness and promotion campaigns. Focus on visual literacy and hands-on opportunities to analyze visuals.

Attributes: BICS, EREG, ERGU

ACS 432 - Social Media for Public Relations - 3 (MSaF)

Social Media use and measurement in Public Relations campaigns.

Attributes: BICS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ACS 433 - Language and Speech Communication - 3

Role and impact of language in speech communication development, processes and behavior. Relational development and conflict resulting from differences in language usage.

Attributes: BICS, HUM

ACS 434 - Nonverbal Communication - 3 (S)

Nonverbal theories across varied contexts. Means of transmission and reception of nonverbal cues. Relationship of nonverbal and verbal behavior.

Attributes: BICS, HUM

ACS 461 - Strategies For Teaching Speech Communication - 3 (FS)

Philosophy of speech education and approaches for teaching speech in curricular and co-curricular settings. Not for GRADUATE CREDIT.

Attributes: HUM
Prerequisites: Complete ACS 101 with a D or higher and one ACS elective from the following: ACS 200 Minimum Grade of C, ACS 201 Minimum Grade of C, ACS 204 Minimum Grade of C, ACS 210 Minimum Grade of C, ACS 304 Minimum Grade of C, ACS 305 Minimum Grade of C, ACS 311 Minimum Grade of C, ACS 331 Minimum Grade of C, ACS 421 Minimum Grade of C, ACS 426 Minimum Grade of C, ACS 430 Minimum Grade of C, ACS 433 Minimum Grade of C, ACS 434 Minimum Grade of C.

ACS 491 - Internship in Applied Communication Studies - 1 to 9 (FMS)

Study, observation, and professional experience with business and organizations in the various areas of communication under joint supervision of the organizational representative and the speech communication faculty sponsor. May be repeated to a maximum of 9 hours, 3 of which may count toward a speech communication major. Not for graduate credit.

Restrictions: Must be enrolled in one of the following Majors: Applied Communication Studies,Speech Communication,Spc. - Corporate and Org Comm, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Dept Chair-Program Director

ACS 4SIU - SIU Shared Course - 1 to 5

This course is for SIUE students who are enrolled in the SIU System Online Course Sharing program.

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.
Registration Consent: Registrar

Academic Development (AD)

AD 070 - Beginning Algebra - 3 (FMS)

Signed numbers, fractions, integer exponents, algebraic expressions, solving linear equations/inequalities, graphing, polynomial operations, factoring, rational expressions, systems of linear equations, applications. Credit not counted for graduation. Letter grades not counted in grade point average. Four contact hours. Upon completion of course, a grade of C or higher indicates readiness for enrollment in MATH 120E.

AD 080 - College Reading I - 5

This course, where reading is taught as an active process reliant on various techniques, broadens reading background and prepares students for success with academic coursework. Credit not counted for graduation. Letter grades not counted in grade point average. Five contact hours.

AD 082 - College Reading II - 3 (FS)

Course focuses on strengthening reading comprehension and critical reading skills. Credit not counted for graduation. Letter grades not counted in grade point average. Four contact hours.

AD 085 - Introduction to Geometry - 3

Fundamentals of Euclidean geometry: angles, parallel lines, polygons, circles, polyhedrons, area and volume, similarity, congruence, mathematical reasoning, informal proofs. Credit not counted towards graduation. Grades not calculated in GPA.

AD 090 - Basic Writing I - 5 (FMS)

Focus on thinking skills and expression of ideas within organized and coherent paragraphs and short essays. Emphasis on sentence skills and college level vocabulary. Credit not to be counted for graduation. Letter grades not counted in GPA. 5 contact hours.

AD 092 - Basic Writing II - 3 (F)

Focus on writing of multi-paragraph essays and development of analytical skills needed to address abstract topics. Credit not to be counted for graduation. Letter grades not counted in grade point average. Four contact hours. Requires completion of stated prerequisite and/or consent of instructor.

Prerequisites: Writing Skills Score 081 OR AD 090 Minimum Grade of C OR ACT English 19 OR ACCUPLACER Writing 243 OR WRIT/LANGUAGE TEST SCORE 26.

AD 095 - Intermediate Algebra - 3

Polynomials, factoring, rational exponents, linear and quadratic equations/inequalities, functions, graphing, rational expressions, radicals, complex numbers, absolute value equations/inequalities, systems of equations, logarithms, geometry, applications. Credit not counted towards graduation. Grades not calculated in GPA. Five contact hours.

Prerequisites: (AD 065 Minimum Grade of C OR AD 070 Minimum Grade of C) OR PLCMNTREC-Math 03 OR ACT Math 21 OR Algebra Score 046 OR AD 070 Minimum Grade of C

AD 115 - Study Skills - 2 (FMS)

Improve study behaviors and attitudes through academic goal setting, study systems, note-taking techniques, test taking strategies, time management, classroom communication and problem solving.

AD 116 - Reading Speed and Efficiency - 2 (FS)

Improvement of reading rate and flexibility with emphasis on comprehension, vocabulary, and textbook reading strategies as related to reading efficiency and overall academic performance. Two contact hours.

AD 117 - Career Planning & Development - 2 (FS)

Career decision-making process investigates self awareness, career exploration, career information gathering, life styles and job search strategy, including development of resumes, interviewing skills and networking techniques.

AD 120 - Developing Skills for College Success - 2 (FS)

This course is intended to engage students by teaching effective strategies that increase performance and success in college and reinvigorate their interest in SIUE.

Registration Consent: Instructor and Advisor

Anthropology (ANTH)

ANTH 111A - Human Ancestry and Adaptations - 3 (FMS)

An introduction to archaeology and biological anthropology. Examines the evolution and biological adaptations of the human species, and the development of culture through archaeological investigation. IAI Course S1 902.

Attributes: BLS, EGC, IASS

ANTH 111B - Human Culture & Communication - 3 (FMS)

An introduction to cultural and linguistic anthropology. Examines diversity in life-ways of peoples around the world. Includes anthropological approaches to social groups, symbolic systems, globalization. IAI Course S1 901N.

Attributes: BSS, EGC, EREG, ERGU, EUSC, IASS

ANTH 170A - Introductory Topics in Biological Anthropology - 3

Significant problems and issues in natural science applications of biological anthropology not treated in other courses, presented at an introductory level. Content varies.

Attributes: BLS, LS

ANTH 170B - Introductory Topics in Anthropology - 3

Significant problems and issues in social science applications of anthropology not treated in other courses, presented at an introductory level. Content varies.

Attributes: BSS

ANTH 201 - Anthropology in Practice - 3

Focus on applied anthropology career domains and positions, ethical issues in applied anthropology, and skill development in research design, data analysis, and professional interaction.

Prerequisites: ANTH 111A and ANTH 111B (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Senior

ANTH 202 - Anthropology Through Films and Fiction - 3 (F)

Anthropological issues presented through analysis of feature films, fiction stories, and other resources. Topics include scientific method, human diversity, cultural relativism, human conflict and cooperation.

Attributes: BICS, EGC, ELEC, EREG, ERGU, EUSC

ANTH 204 - Anthropology of the Paranormal through Popular Media - 3

Critical exploration of popular and anthropological perspectives on the paranormal phenomena including epistemology, death, the afterlife, ghosts, cryptids, outer space and aliens.

Attributes: BSS, EGC

ANTH 205 - Introduction to Native American Studies - 3 (F)

Provides a foundation for Native American Studies by exploring the complexity and diversity of the Native American experience through anthropological, political, historical, and literary perspectives.

Attributes: BSS, EREG, ERGU, EUSC
Restrictions: May not be enrolled as the following Classifications: Master's Candidate

ANTH 206 - Anthropology of Disasters - 3

Investigates the conceptualization and construction of events called disasters, as well as their effects on human communities.

Attributes: BSS, EGC, EREG, ERGU, EUSC

ANTH 225 - Adventures in Archaeology! - 3

Archaeological discoveries across the ancient world, examining all the coolest sites and finds. How archaeologists investigate diverse peoples of the past and communicate our findings.

Attributes: BICS, EREG

ANTH 270A - Special Topics in Anthroplogy - 3

Significant problems and issues in Anthropology not treated in other courses. May be repeated to a maximum of 9 hours as long as no topic is repeated.

Attributes: BLS

ANTH 270B - Special Topics in Anthropology - 3

Significant problems and issues in Anthropology not treated in other courses. May be repeated to a maximum of 9 hours as long as no topic is repeated.

Attributes: BSS, EGC

ANTH 300 - Ethnographic Method and Theory - 3 (F)

Theories, methodological approaches, and ethical issues in cultural and linguistic anthropology.

Attributes: BSS, EUSC
Prerequisites: ANTH 111B Minimum Grade of C (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 305 - People and Cultures of Native North America - 3

Examines diversity in social, economic, political and religious aspects of the traditional cultures of selected native American nations and societies.

Attributes: BSS, EUSC

ANTH 308 - Religion and Culture - 3

A survey of religious traditions around the world in their cultural contexts, emphasizing indigenous religious traditions.

Attributes: BHUM, EGC

ANTH 312 - Contemporary Native Americans - 3

History of unique position within North American society; contemporary issues in economics, politics, law, religion, social life and cultural heritage.

Attributes: BSS, ERGU, EUSC

ANTH 314 - Urban Anthropology - 3

Exploration of factors that give rise to cities and urbanization; examination of contemporary urban life; examination of theories of urbanization.

Attributes: BSS, EGC, EREG, ERGU

ANTH 316 - Anthropology of the African Diaspora - 3

This course will explore and apply key anthropological scholarship, theories, and approaches that reflect the historical and contemporary experiences of those populations who constitute the African Diaspora.

Attributes: BSS, EGC, EREG, ERGU, EUSC

ANTH 325 - Archaeological Method & Theory - 3 (S)

Major historical developments in anthropological archaeology; methods and theoretical approaches to data analysis.

Attributes: BSS

Prerequisites: ANTH 111A Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 332 - Ancient Cities of the Tigris, Euphrates, and Beyond - 3

An overview of the rise of cities and states. Neolithic beginnings to developments in Mesopotamia, Egypt, Indus Valley, China, and Sub-Saharan Africa.

Attributes: BSS, EGC, EREG

ANTH 333 - Aztec, Maya, and Inca Origins - 3

Origins and development of New World cities and states emphasizing Olmec, Mayan, Teotihuacan, Toltec, Aztec and Andean cultures. Spanish conquest of Aztecs and Incas.

Attributes: BSS, EGC, EREG

ANTH 334 - Food and Cultural Change - 3

Overview of how human food ways and subsistence patterns have changed through time, emphasizing the origins and importance of agriculture.

Attributes: BLS, EGC

ANTH 335 - Historical Archaeology - 3

Current methods and theoretical approaches of Historical Archaeology. Archaeological case studies are used to illustrate the cultural development of historic period groups and communities.

Attributes: BSS

ANTH 336 - North American Prehistory - 3

Survey of North American archaeology, beginning with the arrival of humans in the New World, and ending with the arrival of Europeans ca. 1500.

Attributes: BSS, EGC

ANTH 340 - Environmental Anthropology - 3 (F)

Surveys the relationship between humans and their environments from an anthropological perspective, including changes through time and cross-cultural comparisons.

Attributes: BSS, EGC, EREG, ERGU, IS
Prerequisites: Complete all Foundations Requirements.

ANTH 350 - Applied Anthropology - 3

Current issues from anthropological perspective: ethnicity and religious divisions, world hunger, concepts of health and medicine, other uses of Anthropology for practical problems.

Attributes: BSS, EGC, EREG, ERGU

ANTH 352 - Medical Anthropology - 3 (F)

Theories and applications of medical anthropology. Cross-cultural perspectives on health and medicine.

Attributes: BSS, EGC, EH, EREG, ERGU

ANTH 359 - Legal Anthropology - 3 (S)

A cross-cultural examination of issues in law, politics and human rights around the world.

Attributes: BSS, EGC, EREG, ERGU

ANTH 360A - Biological Anthropology Method and Theory - 3 (FS)

Current methods and theories in biological anthropology. Includes evolutionary theory, nonhuman primates, human variation, genetics and paleoanthropology. Must be taken concurrently with 360B.

Attributes: BLS
Prerequisites: ANTH 111A Minimum Grade of C.
Corequisites: ANTH360B
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 360B - Biological Anthropology Lab - 1 (FS)

Laboratory course that must be taken concurrently with 360A. Covers human osteology and comparative nonhuman primate material.

Attributes: BLS, EL
Prerequisites: ANTH 111A Minimum Grade of C.
Corequisites: ANTH360A

Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 366 - Human Variation - 3

Examines differences between biological and social perspectives on human variation. Includes ethics, methods, and theory regarding variation in human genetics, sex, intelligence, health, and behavior.

Attributes: BLS

ANTH 367 - Primatology - 3

An overview of humans' closest relatives (prosimians, monkeys, apes). Includes primate anatomy, ecology, social behavior, cognition and conservation.

Attributes: BLS, EL

ANTH 368 - Archaeology of Death - 3

Advanced course with laboratory component examining human biology and culture though mortuary practices. Includes application of field and laboratory techniques, and consideration of ethical issues.

Attributes: BSS, EL
Prerequisites: ANTH 111A Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 369 - Introduction to Forensic Anthropology - 3 (FS)

Introduction to human osteology and anthropological methods, and the relationship to forensics, includes techniques for reconstructing identity, trauma and disease, decomposition, and taphonomy.

Attributes: BLS, EL

ANTH 370A - Special Topics in Anthropology - 3

Significant problems and issues not treated in other courses. May be repeated to a maximum of 9 hours as long as no topic is repeated.

Attributes: BLS

ANTH 370B - Special Topics in Anthropology - 3

Significant problems and issues not treated in other courses. May be repeated to a maximum of 9 hours as long as no topic is repeated.

Attributes: BSS, EGC

ANTH 404 - Anthropology and the Arts - 3

Analyzes global cultures' visual and material art forms in museum collections with focus on form, process, meaning, function and value. Prerequisite: Consent of instructor.

Attributes: BSS, EGC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 405 - Alternative Tourisms - 3

Explores tourism practices, with an emphasis on alternative forms, such as adventure tourism, ecotourism, dark tourism, and ‘staycations’, with emphasis on ethics and sustainability issues.

Attributes: BSS, EGC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 408 - Anthropological Theory - 3

Development of central ideas and schools of thought in anthropology, and their relevance to anthropological topics and methods today.

Attributes: BHUM
Prerequisites: ANTH 111B Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 420 - Museum Anthropology - 3

Through case studies and exhibit analysis, this course examines historical developments, theoretical approaches, and contemporary ethical issues in museological approaches to anthropology's four fields. Prerequisite: Consent of instructor.

Attributes: BICS, EUSC
Prerequisites: ANTH 111A Minimum Grade of C OR

ANTH 111B Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 430 - Zooarchaeology - 3

The archaeology of animal remains. Methods and theories for investigating human use of animals in the past. Emphasis on identification of animal bone.

Attributes: BLS, EL
Prerequisites: ANTH 111A AND ANTH 360B.

ANTH 432 - Prehistory of Illinois - 3 (F)

The history and archaeology of Native Americans in Illinois, will include examination of artifacts and artifact casts, and field trips to archaeological sites.

Attributes: BSS

ANTH 435 - Living Cultural Heritage - 3

Exploration of interpretive and promotional strategies of living history, material culture and intangible cultural heritage at house museums and heritage sites in America and internationally.

Attributes: BICS, EUSC, SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ANTH 436 - Public Archaeology - 3

In-depth exploration of the relationship between archaeology and the public, with an emphasis on experiential learning through outreach and community archaeology project development.

Attributes: BICS
Restrictions: May not be enrolled as the following Levels: Professional

ANTH 438 - Artifact Analysis - 3

Students will learn the dimensions and tenets of archaeological artifact analysis, laboratory analytical skills in a hands-on setting, and the application of various types of analyses to answer archaeological questions.

Attributes: EL

ANTH 467 - Dental Anthropology - 3

Examines the breadth of information provided by the human dentition. Topics include anatomy and physiology, morphology, microstructure, evolution, health, genetics, and forensic aspects of teeth.

Attributes: BLS, EH, EL
Prerequisites: ANTH 360B Minimum Grade of C.

ANTH 468 - Osteopathology - 3

Examines the lives of past populations through analysis of human skeletal remains. Includes diagnosis and evaluation of health, stress, diet, development, degeneration, and skeletal trauma.

Attributes: BLS, EH, EL
Prerequisites: ANTH 360B Minimum Grade of C.

ANTH 469 - Forensic Anthropology Applications - 3

Combined lecture-lab course on human skeletal material analysis, including training in techniques for identifying sex, age, ancestry, trauma, disease, and taphonomic considerations.

Attributes: BLS, EL
Prerequisites: ANTH 369.
Restrictions: May not be enrolled as the following Levels: Graduate

ANTH 470A - Special Topics in Biological Anthropology - 3 to 9

Significant problems and issues not treated in other courses. Focus is restricted; content varies and is announced in advance. May be repeated to a maximum of 9 hours as long as no topic is repeated. Not for graduate credit.

Attributes: LS
Prerequisites: ANTH 111A.

ANTH 470B - Special Topics in Anthropology - 3 to 9 (SaF)

Significant problems and issues not treated in other courses. Focus is restricted; content varies and is announced in advance. May be repeated to a maximum of 9 hours as long as no topic is repeated. Not for graduate credit.

Attributes: BSS
Prerequisites: ANTH 111B.
Restrictions: May not be enrolled as the following Levels: Graduate

ANTH 473 - Ethnographic Field School - 3 or 6

Students participate in an original field-based research project in linguistic or cultural anthropology directed by the instructor. Emphasizes data collection/analysis/write-up.

Attributes: BSS
Prerequisites: ANTH 111B Minimum Grade of C.
Registration Consent: Instructor

ANTH 474 - Biological Anthropology Field School - 3 or 6

Research design, data collection and analysis in primatology, skeletal biology, forensic anthropology, or paleoanthropology requiring an independent project or participation in joint project.

Attributes: BLS
Prerequisites: ANTH 111A Minimum Grade of C.
Registration Consent: Instructor

ANTH 475 - Archaeological Field School - 3 or 6

Students engage in original archaeological research directed by instructor. Methods of archaeological survey and excavation, learned through active participation in archaeological field and lab work.

Attributes: BSS
Prerequisites: ANTH 111A Minimum Grade of C.
Registration Consent: Instructor

ANTH 476 - Cultural Resource Management - 3 (F)

Examination of cultural resource management (CRM) history and laws. Students will gain a practical experience in background research, field survey, evaluation, mitigation, report preparation, and curation.

Attributes: BSS
Prerequisites: ANTH 475 Minimum Grade of C.

ANTH 483 - Individualized Study in Anthropology - 1 to 6 (MaS)

Guided research on anthropological problems supervised by single faculty member chosen by student; consult chairperson before enrolling. Not for graduate credit.

Registration Consent: Instructor

ANTH 487 - Anthropological Research - 1 to 6 (S)

Participation in research activities mentored by a faculty member. Course will develop skills for independent research required in graduate school and careers in applied anthropology.

Attributes: EL
Registration Consent: Instructor

ANTH 488 - Museum Internship - 1 to 6 (S)

Professional experience in aspects of museum work, such as exhibition, interpretation, collections management, or administration.

Attributes: SS
Restrictions: May not be enrolled as the following Levels: Graduate
Registration Consent: Instructor

ANTH 489 - Professional Internship - 1 to 6 (FS)

Individually crafted professional experiences in careers related to one or more of the four fields of anthropology.

Registration Consent: Instructor

ANTH 490A - Senior Assignment Colloquium - 2 (F)

Application of anthropological knowledge and skills to real world problems through capstone project development and career development activities.

Prerequisites: Corequisite(s): ANTH 490B.
Corequisites: ANTH490B
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Instructor

ANTH 490B - Senior Assignment Mentorship - 1 (F)

Individualized capstone project development under the supervision of a faculty mentor.

Prerequisites: Corequisite(s): ANTH 490A.
Corequisites: ANTH490A
Restrictions: Must be enrolled in one of the following Majors: Anthropology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

Arabic (ARA)

ARA 101 - Elementary Arabic I - 4 (F)

Listening, speaking, reading, and writing. Culture of Arabic-speaking countries. Lab included.

Attributes: BICS, EREG, FL, HUM
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

ARA 102 - Elementary Arabic II - 4 (S)

continuation of ARA 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

Art and Design (ART)

ART 111 - Introduction to Art - 3 (FMS)

Visual arts: painting, sculpture, architecture, related media; intended to cultivate discrimination in viewing and understanding works of art. Not for major credit.

Attributes: BFPA

ART 112A - Foundation Studio - Drawing I - 3 (FS)

Drawing I: Basic approaches to drawing; introducing a variety of media and subject matter. IAI Course ART 904.

Attributes: IART

ART 112B - Foundation Studio: Visual Organization I - 3 (FS)

Visual Organization I: Two dimensions, color. IAI Course ART 907.

Attributes: IART

ART 112D - Foundation Studio: Visual Organization II - 3 (FS)

Visual Organization II: Three dimensions. IAI Course ART 908.

Attributes: IART

ART 112E - Foundation Studio: Visual Organization III - 3 (FS)

A foundations visual art studio course providing a general overview of the fundamentals of various technologies involving digital media as applied to the visual arts.

ART 202A - Introduction to Studio: Sculpture - 3 (FS)

Sculpture: welding, casting, wood construction; need not be taken in sequence.

Attributes: BFPA

ART 202B - Introduction to Studio: Printmaking - 3 (FS)

Introduction to relief, intaglio and monotype printmaking techniques.

Attributes: FPA
Prerequisites: ART 112A Minimum Grade of C AND ART 112B Minimum Grade of C.

ART 202C - Introduction to Studio: Ceramics - 3 (FMS)

Ceramics: glazing, firing. Need not be taken in sequence.

Attributes: BFPA

ART 202D - Introduction to Studio: Painting - 3 (FS)

Painting: oils. Need not be taken in sequence.

Attributes: FPA
Prerequisites: ART 112D Minimum Grade of C (concurrency allowed).

ART 202E - Introduction to Studio: Drawing - 3 (FS)

Drawing: composition, figure. Need not be taken in sequence. IAI Course ART 905

Attributes: FPA, IART
Prerequisites: ART 112A Minimum Grade of C AND ART 112D Minimum Grade of C (concurrency allowed).

ART 202F - Introduction to Studio: Material Studies - 3 (FS)

Introduction to Material Studies builds compositional and color skills using textile media including: Indigo dyeing, silk-screen printing, felt making, book arts.

Attributes: BFPA

ART 202G - Introduction to Studio: Metalsmithing - 3 (FS)

Metalsmithing and Jewelry: Introduction to aesthetic and technical pursuits of contemporary metalsmithing and jewelry at beginning level.

Attributes: BFPA

ART 202H - Introduction to Studio: Photography - 3 (FS)

Basic digital photography, including theory and practice: photographic vision, camera controls, digital editing and printing. Required: a working SLR digital camera with manual controls.

Attributes: BFPA

ART 202I - Introduction to Studio: Graphic Design - 3 (FMS)

Introduction to visual communication problem-solving skills. Exercises: principles of perception, typographic usage, and visual hierarchy. Combines traditional hand skills with basic computer skills.

Attributes: BFPA

ART 225A - History of Western Art: Prehistoric through Medieval - 3 (FS)

Major periods and styles. (a) Prehistoric through Medieval art. Open to all students. IAI Course F2 901.

Attributes: BFPA, EGC, IAFA

ART 225B - History of Western Art: Renaissance to Present - 3 (FS)

Major periods and styles. (b) Renaissance to present. Open to all students. IAI Course F2 902.

Attributes: BFPA, EGC, IAFA

ART 289 - Introduction to Art Education - 3 (F)

Introduction to Art Education; readings, discussions, observations, and involvement with children and adults in selected meetings; clinical experience required. Prerequisite: Second semester freshman.

ART 300B - Art Education in Elementary Schools - 3 (S)

Objectives, theory, and practices of teaching grades K-6. (a) Study of developmental stages, emphasis on media and strategies for implementing activities K-6; (b) Emphasis on teaching art from elementary art specialist perspective; developing units of instruction and teaching methodology.

Prerequisites: ART 289 Minimum Grade of C AND ART 364 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ART 302A - Intermediate Digital Photography: Color - 3 (F)

Intermediate level digital photography, photographic vision, camera controls, digital editing and printing in a color format. Required: a working SLR digital camera with manual controls.

Attributes: FPA
Prerequisites: ART 112D Minimum Grade of C (concurrency allowed) AND ART 202H Minimum Grade of C.

ART 302B - Intermediate Photography: Alternative Processes - 3 (S)

Development of photographic concepts through experimentation using: cameraless processes, digital negatives, and the darkroom within a creative context. Term frequency: Fall

Attributes: FPA
Prerequisites: ART 202H Minimum Grade of C or consent of the instructor.

ART 305 - Ceramics - 3 to 6 (FMS)

Intermediate study incorporating ceramic wheel work and additional areas of aesthetic and technical development. May be repeated for a maximum of 9 hours; consent of instructor necessary to take more than 3 hours per semester.

Attributes: FPA
Prerequisites: ART 202C Minimum Grade of C.

ART 310A - Painting Methods - 3 to 6 (F)

Intensive study using a series format for students to explore a variety of expressive modes including media experimentation. May be repeated up to 6 credit hours.

Attributes: FPA
Prerequisites: ART 202D Minimum Grade of C.

ART 310B - Figure Painting - 3 to 6 (S)

An intermediate painting course that introduces the human figure as subject; expressive and formal uses of the figure in Art History will be studied and applied on a personal and group basis.

Attributes: FPA
Prerequisites: ART 202D Minimum Grade of C AND ART 202E Minimum Grade of C.

ART 310C - Painting: Topics - 3 (M)

An intermediate painting course offered to cover a rotation of topics not traditionally offered such as aqueous media, plain-air painting and large format painting.

Attributes: FPA
Prerequisites: ART 202D.

ART 311 - Typography - 3 (S)

This course examines technological and theoretical aspects of typography. Organizational and creative aspects of designing with type are explored through a variety of visual problem-solving activities and projects.

Attributes: FPA
Prerequisites: ART 202I Minimum Grade of C.

ART 312 - Intermediate Studio in Graphic Design - 3 (F)

Intermediate desktop and publishing; electronic typography, pagination and illustration; symbol, logo, poster and publication design; computer imaging.

Attributes: FPA
Prerequisites: ART 202I AND ART 311 Minimum Grade of C.

ART 325 - Studio I - 3 to 6 (FS)

Independent study with one or more faculty members. May be repeated for a maximum of 9 hours. Varied credit 3-6 hours.

Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design
Registration Consent: Instructor

ART 331A - Advanced Drawing: Figure in Context - 3 (FS)

This course concentrates on the human body as a vehicle for personal expression. Resources include the human model, skeleton, self-portrait, historical models.

Attributes: FPA
Prerequisites: ART 202E Minimum Grade of C.

ART 331B - Advanced Drawing: Serial Imagery - 3 (FS)

Serial imagery is a vehicle to facilitate student experimentation in materials, techniques, methodology and content. Art history and critical theory are important.

Attributes: FPA

Prerequisites: ART 202E Minimum Grade of C.

ART 358 - Relief Printing Process - 3 (M)

Includes traditional and experimental methods with woodcut, linocut, monoprint, various materials, and color techniques.

Attributes: FPA
Prerequisites: ART 202B Minimum Grade of C.

ART 359 - Intaglio Processes - 3

Hard and soft-ground etching, lift grounds, relief etching, engraving, drypoint, aquatint, collagraphs, color techniques.

Attributes: FPA
Prerequisites: ART 202B Minimum Grade of C.

ART 360 - Engraving and Unique Processes - 3

Course concentrates on relief and intaglio styles of engraving. Other unique processes, including chin colle and printing with a Vandercook press are taught.

Attributes: FPA
Prerequisites: ART 202B Minimum Grade of C.

ART 364 - Art Education in Middle Schools - 3 (S)

Curricular models used in Art Education; construction of sample art curriculum for given levels.

Prerequisites: ART 289 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ART 365 - Art Education in High Schools - 3 (F)

Teaching methodology for secondary art programs; reading, discussion, and planning art teaching; emphasis on studio art and art appreciation. Clinical experience at selected secondary school.

Prerequisites: ART 289 Minimum Grade of C AND ART 364 Minimum Grade of C.

ART 384A - Intermediate Material Studies - 3 (F)

Building on the weaving experience of 202f, this course focuses on floor loom weaving, computer weave drafting and introduces dyeing with ikat and warp painting.

Attributes: FPA
Prerequisites: ART 202F Minimum Grade of C.

ART 384B - Surface Design - 3 (S)

Building on the screen-printing and indigo dying of the 202f, this course focuses on silkscreen printing, computer based image manipulation, fiber reactive dyes and chemical screen-printing tools.

Attributes: FPA
Prerequisites: ART 202F Minimum Grade of C.

ART 384C - Material Arts: Special Topics - 3 (M)

Book arts, papermaking, felt making, basketry and sculptural fiber forms are among the topics that might be covered in this course. Check with department for specific listings.

Attributes: FPA
Prerequisites: ART 202F Minimum Grade of C.

ART 386A - Advanced Metalsmithing: Metal Casting and Fabrication - 3

This course offers various methods of casting: centrifugal, vacuum and cuttlebone casting with advanced techniques involved in fabrication.

Attributes: FPA
Prerequisites: ART 202G Minimum Grade of C.

ART 386B - Advanced Metalsmithing: Metal Forming and Fabrication - 3

This course offers various metal forming processes; chasing and repoussé, fold forming, angle raising: symmetrical and asymmetrical, and hydraulic press forming with advanced fabrication.

Attributes: FPA
Prerequisites: ART 202G Minimum Grade of C.

ART 386C - Advanced Metalsmithing: Color on Metal and Fabrication - 3

This course offers various metal forming processes:

chasing and repoussé, fold forming, angle raising: symmetrical and asymmetrical and hydraulic press forming with advanced fabrication.

Attributes: FPA
Prerequisites: ART 202G Minimum Grade of C.

ART 393A - Sculpture-Modeled Form - 3

Exploration of contemporary sculpture making with emphasis on development of techniques and ideas.

Attributes: FPA
Prerequisites: ART 202A Minimum Grade of C.

ART 393B - Sculpture-Cast Form - 3

Cast Form-Exploration of contemporary sculpture making with emphasis on development of techniques and ideas.

Attributes: FPA
Prerequisites: ART 202A Minimum Grade of C.

ART 393C - Sculpture-Assembled Form - 3

Exploration of contemporary sculpture making with emphasis on development of techniques and ideas.

Attributes: FPA
Prerequisites: ART 202A Minimum Grade of C.

ART 401 - Research in Painting - 3 to 6 (FMaS)

Advanced problems in painting. May be repeated for a maximum of 9 hours at the undergraduate level, 12 hours at the graduate level.

Attributes: FPA
Prerequisites: ART 310A Minimum Grade of C and 310B Minimum Grade of C, or Graduate Standing.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 402 - Research in Sculpture - 3 to 9 (FS)

Exploration of current trends in sculpture-making, with emphasis on interaction of technique and idea. May be repeated to a maximum of 12 hours.

Attributes: FPA
Prerequisites: ART 393A Minimum Grade of C AND ART 393B Minimum Grade of C AND ART 393C Minimum Grade of C, or Graduate Standing.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 405 - Seminar - 3 (FS)

Preparation for career as studio artist and/or artist-teacher at college level; career analysis, portfolio presentation for graduate school and galleries; visiting professional lecturers in art and law, grant writing, gallery relations, artist's careers, etc. Prerequisite: more than 75+ hours.

Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Unclassified Graduate; Sophomore

ART 410 - Research in Printmaking - 2 to 6 (FS)

Advanced study in traditional or experimental methods. May be repeated for a maximum of 12 credits. Can be taken concurrently with ART 358, ART 359, or ART 360; or graduate standing.

Attributes: FPA
Prerequisites: ART 358 Minimum Grade of C or ART 359 Minimum Grade of C or ART 360 Minimum Grade of C or Graduate Standing.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 412 - Research in Graphic Design - 3 (aS)

Directed practicum in advanced client-based desktop design and publishing. May be repeated to a maximum of 9 hours. Prerequisite: 311, 312 with a grade of C or better, or consent of advisor. Art majors only.

Attributes: FPA
Prerequisites: ART 311 Minimum Grade of C and ART 312 Minimum Grade of C, or Graduate Standing (GM), or consent of instructor.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 413 - Video, Performance, and Digital Media - 3 (S)

Video and performance: conceptual development through time-based media.

Prerequisites: ART 302A Minimum Grade of C OR ART 302B Minimum Grade of C OR ART 312 Minimum Grade of C or consent of instructor.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 414 - Graphic Design History Through Studio Projects - 3

History of visual communication, including historic movements in Graphic Design and Advertising. Coursework combines lecture materials, quizzes, readings, and research into student projects.

Prerequisites: ART 225A Minimum Grade of C or ART 225B Minimum Grade of C and ART 311 Minimum Grade of C and ART 312 Minimum Grade of C, or Graduate Standing (GM), or consent of instructor.
Restrictions: Must be enrolled in one of the following Majors: Art Therapy Counseling,Art and Design,Art, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ART 415 - Visual Identity: Logo and Branding Design - 3 (aF)

Application of advanced problem-solving skills with planning, organization, and development of design strategies for logos and branding campaigns addressing institutional, corporate, or service industries. Requires completion of stated prerequisites or consent of instructor. May be repeated up to 6 hours.

Prerequisites: ART 311 Minimum Grade of C and ART 312 Minimum Grade of C, or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ART 416 - Glassworking - 3 to 6 (FS)

Basic methods of forming hot and cold glass; development of creative ideas related to use of glass as art medium. May be repeated to a maximum of 12 hours.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art
Registration Consent: Advisor

ART 420 - Advanced Ceramics - 3 to 6 (FMS)

Supervised research in specific ceramic areas of technical and aesthetic interest. May be repeated to a maximum of 9 hours.

Attributes: FPA
Prerequisites: ART 305 Minimum Grade of C or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 422 - Research in Photography - 3

Advanced theory and practice in one of several topics: alternative process; composite photography; the contemporary photobook; artificial lighting; the material photograph. May be repeated up to 9 hours.

Attributes: FPA
Prerequisites: ART 302A Minimum Grade of C or ART 302B Minimum Grade of C or Graduate Standing (GM), or instructor consent.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 423 - Advanced Photography Seminar - 3 (FS)

Advanced seminar exploring personal portfolio development, contemporary theoretical and conceptual issues, as well as developing critical writing skills as they pertain to the photography medium. May be repeated for maximum of 9 credit hours.

Attributes: FPA
Prerequisites: ART 302A Minimum Grade of C and ART 302B Minimum Grade of C or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the

following Majors: Art,Art Therapy Counseling,Art and Design,Art, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ART 424 - Baroque Art - 3

Major developments in Baroque painting, sculpture, and architecture in seventeenth-century Italy, Spain, France, Flanders, and the Dutch Republic.

Attributes: ARTH, BHUM, EGC

ART 426 - Design Studio:Material Studies - 3

Varied content; group and/or individually designed senior assignment projects which may include travel, exhibition, research or other approved project. May be repeated for a maximum of 9 credit hours.

Prerequisites: ART 311 AND ART 312 AND (ART 415 OR ART 440).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

ART 430 - Studies in Art I - 3 to 6 (FSaM)

Advanced work in any studio area or Art Education. May be repeated for a maximum of 9 hours at the undergraduate level, for a maximum of 12 hours at the graduate level. Varied credit 3-6 with consent of instructor. Complete ART 325 or be at Graduate standing (GM).

Prerequisites: You must complete ART 325 or be at Graduate Standing.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art
Registration Consent: Instructor

ART 440 - Publication and Information Design - 3 (aF)

Techniques in the application of grid, image, and text, using traditional and contemporary approaches to complex and integrated layout design. Editorial, magazine, and institutional design. May be repeated to a maximum of 6 hours. Prerequisite: 311 and 312, with a minimum grade of C or better, or graduate standing or consent of instructor.

Prerequisites: ART 311 Minimum Grade of C and ART 312 Minimum Grade of C, or be at Graduate Standing (GM), or consent of instructor.
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 441 - Research in Drawing - 3 to 6 (FS)

Advanced research in drawing experiences emphasizing individually realized content through development of compositions. May be repeated to a maximum of 12 hours. Prerequisite: ART 331A and ART 331B with a C or better, or BFA status, or consent of advisor. Art majors only.

Attributes: FPA
Prerequisites: ART 331A Minimum Grade of C and ART 331B Minimum Grade of C or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art, Must be enrolled in one of the following Classifications: Master's Candidate; Senior with Degree; Senior

ART 449 - Italian Renaissance Art - 3

Architecture, sculpture, and painting of the Late Gothic, Renaissance, and Mannerist periods in Italy.

Attributes: ARTH, BHUM, EGC

ART 450 - Early Childhood Art Education - 3 (F)

Art Education practices in Early Childhood Art Education; methods and materials based on developmental needs. Prerequisite: Consent of instructor.

ART 451 - Northern Renaissance Art - 3

Architecture, sculpture, and painting of the Renaissance and Mannerist periods in Northern Europe.

Attributes: ARTH, BHUM
Prerequisites: ART 225A Minimum Grade of C or ART 225B Minimum Grade of C or Graduate Standing (GM).

ART 467 - Islamic Art and Architecture - 3 (aF)

Art and architecture of the Islamic world from 650 to the present.

Attributes: ARTH, BHUM

ART 470 - Topics in Art History - 3 (FM)

Topics may include: seminars on specific artist or area; investigations of branches of art historical inquiry; major trends and issues in art since 1970. May be repeated to a maximum of 9 hours as long as no topic is repeated.

Attributes: ARTH, BHUM

ART 471 - Topics in Renaissance and Baroque Art - 3

Variable content course in the history of Renaissance and Baroque Art. May be repeated maximum of 9 hours as long as no topic is repeated.

Attributes: ARTH, BHUM

ART 472 - Topics in Modern Art - 3

Variable content course in the history of modern art. May be repeated to 9 hours as long as no topic is repeated.

Attributes: ARTH, BHUM

ART 473 - Women in Art - 3

History of women artists from the Renaissance to the present. Same as WMST 473.

Attributes: ARTH, BHUM, EGC

ART 474 - Topics in Public Art - 3

Variable content course in the history of public art. May be repeated to 9 hours as long as no topic is repeated.

Attributes: ARTH, BHUM

ART 475 - History of Photography - 3

Principal technical and stylistic developments in photography from the early 19th century to the present.

Attributes: ARTH, BHUM

ART 476 - History of Modern Architecture & Design - 3

Principal technical and stylistic developments in architecture and design from the early 19th century to the present.

Attributes: ARTH, BHUM

ART 480 - Topics in American Art - 3

A variable topics class focusing on themes in American art history.

Attributes: ARTH, BHUM

ART 481 - Modern Art - 3

Principal movements and theories of art in the modern period.

Attributes: ARTH, BHUM

ART 482 - Contemporary Art - 3 (S)

Principal movements and theories of contemporary art, ca. 1950 to the present.

Attributes: ARTH, BHUM

ART 483 - Research in Art History - 3 (FM)

Individual research in painting, sculpture, architecture, and related arts of various periods. May be repeated to a maximum of 9 hours provided no topic is repeated.

Attributes: ARTH, FPA
Registration Consent: Instructor

ART 484 - Research in Material Studies - 3 to 6 (FMS)

Individual exploration of advanced fiber concerns in technique and mixed media approaches; concepts emphasizing integration of technical and aesthetic ideas. May be repeated to a maximum of 12 hours; consent of instructor for over 3 hours per semester.

Attributes: FPA
Prerequisites: ART 384 Minimum Grade of C or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 485 - Theories & Methods of Art History - 3

Study of primary methods of research, interpretation, and writing in art history.

Attributes: ARTH, BHUM

ART 486 - Research in Metalsmithing - 2 to 6 (FS)

Concentrated research in advanced metalsmithing techniques and concepts. May be repeated to a maximum of 12 hours.

Attributes: FPA
Prerequisites: ART 386 Minimum Grade of C or Graduate Standing (GM).
Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art

ART 487 - Senior Capstone in Art History - 3 (S)

Senior Assignment. Completion of exit exam, major research project and presentation demonstrating proficiency in art historical methods.

Restrictions: Must be enrolled in one of the following Concentrations: Art History, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

ART 490 - Arts in Community Development - 3 (F)

This course will introduce students to the ecosystem of a growing field of arts-based collaborations aimed at organizational & community development outcomes. Among the sites where these initiatives happen are: schools, museums, prisons, healthcare environments, and neighborhoods. This course consists of service learning & online components.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

ART 498 - Internship in the Arts - 3 to 6 (FS)

Involvement in work, study, or research designed and supervised by selected faculty members and cooperating institutions. Varied credit 3-6 credit hours. May be repeated for a maximum of 9 hours.

Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design,Art
Registration Consent: Instructor

ART 499 - Senior Thesis Exhibition - 2 to 6 (FS)

Nature of final thesis determined according to student's major studio area and directed by student's major advisor and committee; consists of thesis exhibition and written statement of artistic intent. BFA candidates only. Prerequisite: 90+ hours.

Restrictions: Must be enrolled in one of the following Majors: Art,Art Therapy Counseling,Art and Design, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

Aerospace Studies (AS)

AS 101 - Heritage and Values of the United States Air Force - 2 (F)

Survey course to introduce students in the U.S. Air Force. Provides an overview of basic missions and organization. Note: Leadership Lab is mandatory for AFROTC cadets.

Attributes: EH

AS 102 - Heritage and Values of the United States Air Force - 2 (S)

Survey course to introduce students in the U.S. Air Force. Provides an overview of basic missions and organization. Note: Leadership Lab is mandatory for AFROTC cadets.

AS 201 - Team and Leadership Fundamentals - 2 (F)

Focuses on laying the foundation for teams and leadership. Note: Leadership Lab is mandatory for AFROTC cadets.

AS 202 - Team and Leadership Fundamentals - 2 (S)

Focuses on laying the foundation for teams and

leadership. Note: Leadership Lab is mandatory for AFROTC cadets.

AS 301 - Leading People and Effective Communication - 3 (F)

This course teaches cadets advanced skills and knowledge in management and leadership. Note: Leadership Lab is mandatory for AFROTC.

AS 302 - Leading People and Effective Communication - 3 (S)

This course studies leadership and management techniques needed by Air Force officers. Note: Leadership Lab is mandatory for AF ROTC military cadets.

AS 401 - National Security Affairs/Preparation for Active Duty - 3 (F)

Gives college seniors the foundation to understand their role as military officers in American society. Note: Leadership Lab is mandatory for AFROTC cadets.

AS 402 - National Security Affairs/Preparation for Active Duty - 3 (S)

Gives college seniors the foundation to understand their role as military officers in American society. Note: Leadership Lab is mandatory for AFROTC cadets.

Biological Sciences (BIOL)

BIOL 111 - Contemporary Biology - 3 (FMS)

Contributions of biology to understanding ourselves and our world. Development, nature and human implications of cell theory, heredity, the modern synthetic theory of evolution, population dynamics, ecology and environmental problems. Not for biological sciences major credit. IAI Course L1 900.

Attributes: BLS, IALS

BIOL 113 - Biology Essentials - 3

A survey course of biology content from molecules to ecosystems with a laboratory component that allows for practical/hands-on applications of the same content. This course is especially recommended for, though not limited to, students considering STEM/pre-professional majors.

Attributes: BLS, EL
Restrictions: Must be assigned one of the following Student Attributes: Summer Success Program

BIOL 140 - Human Biology - 3 (FMS)

Introduction and application of basic human biology concepts, including cell theory, genetics, systems biology, and evolution. Not for biological sciences major credit. Three lectures per week. IAI Course L1 904.

Attributes: BLS, IALS
Restrictions: May not be enrolled as one of the following Majors: Biological Sciences

BIOL 145 - Fundamentals of Biology - 4

Introduction to basic biology concepts, including cell theory, genetics, systems biology, and evolution. Lab required. Not for biological sciences major credit.

Attributes: BLS, EL
Restrictions: May not be enrolled as one of the following Majors: Biological Sciences

BIOL 150 - Introduction to Biological Sciences I - 4 (FMS)

First of a two-course sequence, introduction to biochemistry, molecular genetics, cell structure and function, and evolution. Lab required. IAI Course BIO L1910L, BIO 910.

Attributes: BLS, EL, IAL, IALS, IBIO
Prerequisites: CHEM 121A Minimum Grade of C (concurrency allowed).

BIOL 151 - Introduction to Biological Sciences II - 4 (FMS)

Second of a two-course sequence, introduction to major taxonomic groups with emphasis on evolutionary relationships and ecological principles. Lab required. IAI Course BIO L1910L, BIO 910.

Attributes: BLS, EL, IAL, IALS, IBIO
Prerequisites: BIOL 150 Minimum Grade of C AND

CHEM 121A Minimum Grade of C AND CHEM 125A Minimum Grade of C.

BIOL 190 - Introduction to Topics in Biology - 1 to 4

Examination of an area of Biological Sciences at an introductory level. May be repeated but the topic cannot be.

Attributes: BLS, EL
Restrictions: May not be enrolled as one of the following Majors: Biological Sciences,Biological Sciences

BIOL 205 - Human Diseases - 3 (MS)

A molecular, cellular, organismic or environmental approach to the human body and its dysfunctions, disorders and diseases including their causes, treatments and recent biomedical advances. Not for biological sciences major credit.

Attributes: BLS, EH
Prerequisites: BIOL 111 Minimum Grade of C OR BIOL 140 Minimum Grade of C OR BIOL 150 Minimum Grade of C.

BIOL 220 - Genetics - 4 (FS)

Introduction to transmission, molecular and population genetics with applications to all organisms. Lab required.

Attributes: BLS, EL
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND CHEM 121B Minimum Grade of C AND CHEM 125B Minimum Grade of C AND CHEM 241A Minimum Grade of C (concurrency allowed).

BIOL 240A - Human Anatomy & Physiology - 4 (FMS)

Functional architecture of the human body. Tissues, skeletal, muscular and nervous systems. Not for major credit.

Attributes: BLS, EL
Prerequisites: (BIOL 140 Minimum Grade of C OR BIOL 150 Minimum Grade of C OR BIOL 151 Minimum Grade of C) AND (CHEM 120A Minimum Grade of C OR CHEM 120N Minimum Grade of C OR CHEM 121A Minimum Grade of C).

BIOL 240B - Human Anatomy & Physiology - 4 (FMS)

Continuation of BIOL240A. Endocrine, Circulatory, Respiratory, Digestive, Urinary systems. Not for major credit.

Attributes: BLS, EH, EL
Prerequisites: BIOL 240A Minimum Grade of C.

BIOL 250 - Bacteriology - 4 (FS)

Structure, nutrition, and genetics of bacteria; control of microbial growth; comparison of medically important bacteria and viruses; host response to infectious disease. May not take if previously received credit for BIOL 350 or equivalent.

Attributes: EL, LS
Prerequisites: (BIOL 140 Minimum Grade of C OR BIOL 150 Minimum Grade of C OR BIOL 151 Minimum Grade of C) AND (CHEM 120N Minimum Grade of C OR CHEM 120A Minimum Grade of C OR CHEM 121A Minimum Grade of C).
Restrictions: May not be enrolled as one of the following Majors: Biological Sciences

BIOL 251 - Microbiology for MLTs - 3 (S)

3 Microbiology for MLTs- Structure, nutrition, and genetics of bacteria; control of microbial growth; comparison of medically important bacteria and viruses; host response to infectious disease.

Attributes: LS
Prerequisites: (BIOL 111 Minimum Grade of C OR BIOL 140 Minimum Grade of C OR BIOL 150 Minimum Grade of C) AND (CHEM 120A Minimum Grade of C OR CHEM 120N Minimum Grade of C OR CHEM 121A Minimum Grade of C).
Restrictions: Must be enrolled in one of the following Majors: Liberal Studies
Registration Consent: Instructor and Dept Chair

BIOL 319 - Cell and Molecular Biology - 4 (FS)

Introduction to cellular processes including gene expression, protein and vesicular trafficking, and cell signaling. Differentiation between eukaryotes and prokaryotes. [GCB elective]

Attributes: EL, LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C AND CHEM 241A Minimum Grade of C.

BIOL 321 - Plant Biology - 4

Introduces basic principles of plant structure, function, physiology, classification, reproduction and evolution. Includes survey of the plant kingdom with comparisons of various plant groups. [EEE, DIV, FIELD elective]

Attributes: EL, LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C.
Restrictions: May not be enrolled as the following Levels: Graduate

BIOL 327 - Evolution - 3 (FS)

Evolutionary change as shown in heredity, population genetics, speciation, adaptation, natural selection, development, behavior, geographical distribution, and the origin of life. [EEE elective]

Attributes: LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C.

BIOL 330 - Environmental Health - 3 (MS)

Introduction to human health effects of pollution and environmental hazards of a biological, radiological, or physical nature in food, water, air, soil, animals, and wastes. [MPD Elective]

Attributes: EGC, LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C.

BIOL 335 - Introduction to Immunology - 3 (S)

Anatomical, cellular, and biochemical aspects of the immune response. Immune mechanisms in transplantation, infectious disease, autoimmune disease. [GCB elective]

Attributes: EH, LS
Prerequisites: BIOL 220 Minimum Grade of C.

BIOL 337 - Animal Histology - 4

The structure and function of vertebrate tissues as portrayed by major histological methods. [GCB, MPD electives]

Attributes: EL, LS
Prerequisites: BIOL 220 Minimum Grade of C.

BIOL 340 - Physiology - 4 (FS)

Function and regulation of major organ systems in vertebrates, neural responsiveness and integration, homeostasis of body fluids, circulation, respiration, organic maintenance, and hormonal control. [MPD elective]

Attributes: EH, EL, LS
Prerequisites: BIOL 319 Minimum Grade of C and PHYS 132 Minimum Grade of C and PHYS 132L Minimum Grade of C and overall GPA of 3.0.

BIOL 350 - Microbiology - 4 (FS)

Structure, metabolism, and genetics of bacteria and bacteriophages. Role of bacteria in disease, biotechnology, and the environment. [DIV, GCB electives]

Attributes: EL, LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C AND CHEM 121B Minimum Grade of C.

BIOL 365 - Ecology - 4 (FS)

Scope of ecology, population ecology, models of population growth, competition, predation, diversity and stability of ecosystems, community structure, and ecological energetics. [EEE elective]

Attributes: EGC, EL, LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C.

BIOL 371 - Plants and Civilization - 3

A multidisciplinary introduction to the basic principles of plant science with a strong emphasis on the economic aspects and cultural importance of plants. [EEE elective]

Attributes: EGC, LS

Prerequisites: BIOL 151 Minimum Grade of C.

BIOL 395 - Medical Laboratory Scientist Clinical Content - 3 (S)

A cumulative assessment of clinical laboratory content for medical laboratory scientist certification, based on the American Society of Clinical Pathology guidelines.

Restrictions: Must be assigned one of the following Student Attributes: Online Degree Completion Prgm.

BIOL 416 - Techniques in Plant Cell and Tissue Culture - 4 (aS)

Theory and techniques of culture growth, differentiation, metabolism and transformation. Two lectures and two labs per week. [GCB, MPD electives]

Attributes: EL, LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 417 - Quantitative Methods in Experimental Biology - 4 (S)

Selection and application of statistical techniques appropriate for biological data. Practical experience using spreadsheets and statistical software.

Attributes: BICS, LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 418A - Recombinant DNA - 3 (F)

Basic principles of gene cloning including the methods of creating recombinant DNA molecules, transfer of genes into recipient cells, and regulation following gene transfer. [GCB elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C and BIOL 319 Minimum Grade of C, or Graduate Standing (GM).

BIOL 418B - Recombinant DNA Lab - 3 (S)

Experiments in gene manipulation using bacterial genes exempt from federal guidelines concerning recombinant DNA. Six lab hours per week.

Attributes: EL, LS
Prerequisites: BIOL 418A Minimum Grade of C OR Graduate level BIOL 418A Minimum Grade of C.

BIOL 420 - Bioinformatics for Biologists - 4

Introduction to computational tools/software for understanding biological data. Build a foundation of bioinformatic practices – explore databases, perform statistical analyses, and visualize large datasets while highlighting real-world applications.

Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 421 - Human Genetics - 3

Human genetics, human chromosomes; Mendelian characters in man, genetic inference, pedigrees, twins, population-mutation-genetics of races; genetics and medicine. [GCB elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 422A - Population Genetics - 3

Unites the fields of molecular genetics and evolutionary biology to explore processes and mechanisms of evolutionary change, provide a theoretical basis for interpreting molecular variation. [EEE, GCB electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 327 Minimum Grade of C.

BIOL 422B - Population Genetics Lab - 1

Molecular and analytical techniques commonly employed in basic and applied fields of population genetics. Requires concurrent enrollment in BIOL 422A.

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 327 Minimum Grade of C. Corequisite(s): BIOL 422A
Corequisites: BIOL422A

BIOL 423 - Forensic Biology - 3 (S)

Principles of human anatomy and physiology, population and molecular genetics, botany, entomology are reviewed in the context of their applications to legal contexts. [EEE, MPD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 424 - Forensic Toxicology - 3 (S)

Forensic Toxicology provides an introduction to the principles of toxicology and how those principles are applied in legal applications. (MPD elective)

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 425 - Developmental Biology - 3 (S)

Embryonic and postembryonic developmental processes in animals. Topics include: fertilization, morphogenesis, pattern formation and the cellular control of these events. [GCB, MPD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 319 Minimum Grade of C.

BIOL 426 - Stem Cells and Regeneration - 3

Topics related to stem cells and regenerative biology, including cellular and molecular regulation, medical applications, and mechanisms of regeneration in diverse species. [GCB, MPD electives]

Attributes: BLS
Prerequisites: BIOL 319 Minimum Grade of C; or Graduate Standing (GM); or instructor permission.

BIOL 427 - Evolutionary Medicine - 3 (M)

Application of evolutionary theory to medical science providing insight into our understanding of challenges as diverse as infectious agents, allergies, cancer, obesity and mental disorder. [EEE]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 428 - Biology of Fungi - 3

An in-depth treatment of fungi including phylogeny, cell biology, reproduction, development, and ecology, emphasizing features not typical of other Eukaryotes, and symbioses. [EEE, DIV electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C, or equivalent or admission to graduate Biology program or instructor persmission.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 431 - Cellular and Molecular Bases of Disease - 3

Causes and pathophysiology of diseases presented from the cellular and molecular levels. [GCB elective]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C.

BIOL 432 - Advanced Cell Biology - 4

Analysis of advanced topics in cell and molecular biology. Emphasis on laboratory projects and current literature with supporting lectures. [GCB elective]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C.

BIOL 434 - Fundamentals of Aquatic Ecotoxicology - 3 (F)

Biological effects of aquatic pollution from the molecular to the ecosystem level; uptake, metabolism, excretion, food chain transfer, environmental fate, aquatic pollutants transport.

[EEE. MPD electives] Same as ENSC 434.

Attributes: LS
Prerequisites: (ENSC 220 AND ENSC 330) OR BIOL 319 OR BIOL 365 OR CHEM 471.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 435 - Ecological Risk Assessment - 3 (F)

Introduction to science behind environmental policy/regulations. Application of ecology, chemistry, and toxicology application to assess present and future pollution risks to populations, communities, ecosystems.

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C OR ENSC 431 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 436 - Fundamentals of Molecular Toxicology and Pharmacology - 3 (S)

Molecular, biochemical, and cellular mechanisms of toxicity, mode of action, metabolism, and interactions of environmental pollutants, toxic chemicals, and drugs. [EEE, GCB electives]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C OR CHEM 471 Minimum Grade of C OR ENSC 431 Minimum Grade of C OR CHEM 451A Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 440 - Functional Human Anatomy - 4 (S)

Systematic and regional study of the human body, including thorax, abdomen, pelvis, back, limbs, head, neck, emphasizing structural, functional, and clinical relationships. [MPD elective]

Attributes: BLS, EH, EL
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 441 - Advanced Physiology - 3

Energy procurement and balance, intermediate metabolism, temperature control; advanced topics of cardiovascular and respiratory mechanisms; body fluid regulation, and some environmental adaptations. [MPD elective]

Attributes: LS
Prerequisites: BIOL 340 Minimum Grade of C.

BIOL 444A - Fundamentals of Neuroscience - 3

Integration of cellular and molecular biology, neuroanatomy, neurophysiology in nervous system function and control of behavior. Current mechanisms of learning, memory, drug actions, and motor control. [MPD elective]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C.

BIOL 444B - Fundamentals of Neuroscience Laboratory - 1

Neuroscience experiments including molecular neurobiology, electrical recording, drug reactions, brain dissection, and/or histology. Prerequisite: BIOL 444a or concurrent enrollment, or instructor consent.

Attributes: LS
Prerequisites: BIOL 444A (concurrency allowed).

BIOL 451 - Microbial Pathogenesis - 3

Analysis of mechanisms of pathogenesis employed by bacteria, fungi, protozoa and viruses, including transmission, invasion, colonization, virulence factors, pathology, epidemiology, and treatment. [GCB elective]

Attributes: EH, LS
Prerequisites: BIOL 350 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 452 - Molecular Genetics - 3 (F)

Molecular basis of genetics in both prokaryotes and eukaryotes, including structure and replication of DNA, gene expression, transfer of genetic material between organisms. [GCB elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 319 Minimum Grade of C.

BIOL 455A - Virology - 3 (F)

Biochemical and physical structure of viruses and their mode of replication in infected cells, including latency and viral oncogenesis. [GCB elective]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C OR BIOL 350 Minimum Grade of C.

BIOL 455B - Virology Lab - 1 (F)

Basic virology and microbiological techniques used in bacteriophage research.

Prerequisites: BIOL 319 Minimum Grade of C OR BIOL 350 Minimum Grade of C. Corequisite(s): BIOL 455A.
Corequisites: BIOL455A

BIOL 457 - Parasitology - 4

An exploration of parasitism as a concept, the etiology and ecology of parasites, and the evolutionary adaptions that lead to parasitic lifestyles. [MPD, DIV]

Attributes: BLS, EL
Prerequisites: BIOL 220 Minimum Grade of C.

BIOL 460 - Wildlife Management - 3 (aS)

Wildlife ecology, conservation, and management including effects of habitat, behavior, disease, and predation on populations. Optional field trips. [EEE elective]

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 461 - Plants and Environment - 4

Environmental effects on plant growth, reproduction and distribution. Adaptive responses to environmental stress examined and measured. [EEE, MPD, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 462 - Biogeography - 3

Past and present spatial relationship of plants and animals. Speciation, dispersal and variation are addressed. [EEE, DIV electives]

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 463 - Conservation Biology - 4 (F)

Examination of concepts and principles of conservation biology, leading to an understanding of threats to biodiversity and techniques to minimize ecosystem degradation and biodiversity loss. [EEE elective]

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 464 - Applied Ecology - 3 (S)

Applying ecological concepts and principles for solving, predicting and managing current important ecological problems, such as global climate change, conservation, wetland restoration, and environmental remediation. (Same as ENSC 450)

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C.

BIOL 465 - Aquatic Ecosystems - 4

Biogeochemistry and community structure of aquatic systems. Three lectures one three-hour laboratory per week.

Attributes: EL, LS
Prerequisites: BIOL 151 Minimum Grade of C AND CHEM 121B Minimum Grade of C.

BIOL 466 - Terrestrial Ecosystems - 3

Energy flow and mineral cycling as they interact with community organization and other processes in terrestrial ecosystems. Three lecture hours per week. Weekend field trips may be required. Requires completion of stated prerequisites or instructor consent.

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.

BIOL 467 - Animal Physiological Ecology - 3 (aS)

Examine how an organism's environment affects its physiology. Comparative approach will explore physiological adaptations to a variety of environmental factors. [EEE, MPD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND (BIOL 340 Minimum Grade of C OR BIOL 365 Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 467L - Physiological Ecology Laboratory - 1

An introduction to the techniques used in the field of physiological ecology with an in-depth analysis of the prominent literature in the field.

Prerequisites: Corequisites: BIOL 467.
Corequisites: BIOL467

BIOL 468 - Pollution Ecology - 3 (F)

The application of biological, ecological, chemical and physical sciences to understanding the fate and transport of pollutants through ecosystems. [EEE elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 469 - Ecology of Plants - 4

Plant adaptations; plant population and community ecology; introduction to landscape ecology. Focuses on primary literature, scientific communication, data analysis, and plant natural history. [EEE, FIELD elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 470 - Field Biology - 4 (M)

Distribution and ecology of regional biological communities. Natural history and identification of local plants and animals. In class field trips. [EEE, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 471 - Plant Systematics - 4 (S)

Examination of basic processes in vascular plant evolution. Local flora characteristics and identification. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 472 - Topics in Plant Physiology - 4

Examination of plant cells, tissues, and morphology. Two lectures and two labs per week. [EEE, MPD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 473 - Plant Anatomy - 4

Examination of plant cells, tissues, and morphology. Two lectures and two labs per week. [EEE, MPD

electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 474 - Plant Taxonomy - 4

A field-oriented course in which students collect and identify plant specimens using professional taxonomic keys. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 475 - Plant Molecular Biology - 4

Molecular processes underlying a plant's ability to sense its environment, utilize available resources, regulate gene expression and alter development based on environment and resources. [GCB elective]

Attributes: LS
Prerequisites: BIOL 319 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 480 - Animal Behavior - 4

Examination of mechanisms, evolution, and ecological consequences of animal behavior. Concepts introduced through lectures, laboratory and field experiments, and independent projects. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 483 - Entomology and Insect Collection - 4 (aF)

An introduction to the life history, ecology, physiology, behavior, forensics, diversity, and taxonomy of insects. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 485 - Ichthyology - 4 (aF)

Taxonomy, ecology, distribution, behavior, and anatomy of fishes. Emphasis on local fauna. Saturday field trips required. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 486 - Herpetology - 4

Living and fossil amphibians and reptiles, evolution, relationships, morphology, behavior. Two lectures and two laboratories per week. Saturday field trips required. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 487 - Ornithology - 4

Examination of form, function, behavior, ecology and evolution of birds. Emphasis on local fauna. Three lectures and one laboratory per week. Saturday field trips required. [EEE, DIV, FIELD electives]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 488 - Mammalogy - 4

Morphology, systematics, natural history, taxonomy, and evolution of living and fossil mammals. Two lectures and two labs per week. [EEE, DIV, FIELD electives]

Attributes: LS

Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 489 - Comparative Vertebrate Anatomy - 4 (F)

A systematic study of the vertebrate body. Comparative approach will explore the anatomical similarities and differences among major vertebrate taxonomic groups. [EEE, MPD elective]

Attributes: LS
Prerequisites: BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

BIOL 490 - Topics in Biology - 1 to 4 (FS)

In-depth examination of an area of Biological Sciences. May be repeated up to 8 credit hours as long as neither topic nor professor is repeated.

Attributes: LS
Registration Consent: Instructor

BIOL 491 - Readings in Biology - 0 to 4 (FMS)

Supervised readings in specialized areas. Two hours of 491 or 493 may count toward BIOL elective credit. Not for minor credit.

Attributes: LS
Restrictions: Must be enrolled in one of the following Majors: Biological Sciences
Registration Consent: Instructor

BIOL 492 - Biological Sciences Colloquium I - 1 (FS)

Seminar to consider recent advances in science. Not for Graduate Credit.

Attributes: LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, May not be enrolled as the following Levels: Graduate

BIOL 492M - Biological Sciences Colloquium II - 1 (FS)

Seminar to consider recent advances in science. Not for graduate credit. Must be mentored by a faculty member.

Attributes: LS
Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C AND BIOL 492 Minimum Grade of P.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

BIOL 493 - Special Problems in Biology - 0 to 4 (FMS)

Research on biological problems. Two hours of 491 or 493 may count toward BIOL elective credit.

Attributes: LS
Registration Consent: Instructor

BIOL 494 - Methods of Teaching Science in Secondary Schools - 3 (F)

Teaching and resource materials for secondary science instruction. Planning and presenting lessons, problem solving techniques, controversial topics in the classroom, safety concerns, educational technology, pedagogical content knowledge.

Attributes: LS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

BIOL 495A - Clinical Topics in Medical Technology: Clinical Biochemistry - 1 to 12 (FS)

Clinical topics in medical technology: (A) Clinical Biochemistry. Hospital based lecture in an accredited and affiliated school of medical technology. Not for Graduate credit. May be repeated to a maximum of 36 hours. Requires acceptance for clinical education into an affiliated school of medical technology.

Attributes: LS
Registration Consent: Dept Chair-Program

Director

BIOL 495B - Clinical Topics in Medical Technology: Clinical Microbiology - 1 to 12 (FS)

Clinical topics in Medical Technology: (B) Clinical Microbiology. Hospital based lecture and clinical laboratory in accredited and affiliated School of Medical Technology.

Attributes: LS
Registration Consent: Dept Chair-Program Director

BIOL 495C - Clinical Topics in Medical Technology: Clinical Hematology/Coagulation - 1 to 12 (FS)

Clinical Topics in Medical Technology: (C) Clinical Hematology/Coagulation. Hospital based lecture and clinical laboratory in accredited and affiliated School of Medical Technology. Not for Graduate credit. May be repeated to a maximum of 36 hours. Requires acceptance for clinical education into an affiliated school of medical technology.

Attributes: LS
Registration Consent: Dept Chair-Program Director

BIOL 495D - Special Topics Medical Technology: Clinical Immunology/Serology/Immunohematology - 1 to 12 (FS)

Clinical Topics in Medical Technology: (D) Clinical Immunology/Serology/Immunohematology. Hospital based lecture and clinical laboratory in accredited and affiliated school of medical technology. May be repeated to a maximum of 36 hours. Requires acceptance for clinical education into an affiliated school of medical technology.

Attributes: LS
Registration Consent: Dept Chair-Program Director

BIOL 495E - Clinical Topics in Medical Technology: Urinalysis/Clinical Microscopy - 1 to 12 (FS)

Clinical Topics in Medical Technology: (E) Urinalysis/Clinical Microscopy. Hospital based lecture and clinical laboratory in accredited and affiliated school of medical technology. Not for graduate credit. May be repeated to a maximum of 36 hours. Requires acceptance for clinical education into an affiliated school of medical technology.

Attributes: LS
Registration Consent: Dept Chair-Program Director

BIOL 495F - Clinical Topics in Medical Technology - 1 to 12 (FS)

Special topics in Medical Technology. Hospital based lecture at an accredited and affiliated school of Medical Technology. May be repeated to a maximum of 36 hours. Not for graduate credit. Requires acceptance for clinical education into an affiliated school of medical technology.

Attributes: LS
Registration Consent: Dept Chair-Program Director

BIOL 496 - Rainforest Service Learning for Educators - 4

Service learning course for educators investigates sustainable development issues in rainforest preservation through study of culture, language, ecology, and geography. Consent of instructor required.

Attributes: EGC, LS
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

BIOL 497 - Senior Assignment - 1 (FS)

Demonstration of proficiency in Biological Sciences. Not for Graduate credit.

Prerequisites: BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C AND BIOL 492 Minimum Grade of P.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Levels: Undergraduate

BIOL 498 - Internship in Biological Sciences - 1

to 4

Applied biology carried out as independent study. Work will be supervised by a faculty advisor and an off-campus supervisor where the work is performed.

Attributes: BLS
Restrictions: Must be enrolled in one of the following Majors: Biological Sciences
Registration Consent: Instructor

Civil Engineering (CE)

CE 198 - Civil Engineering Work Experience I - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CE 199 - Engineering Co-op Education I - 0 (FMS)

Supervised work experience with an agency, firm, or organization that employs engineers. First work period of five year academic/work experience program.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CE 204 - Engineering Graphics & CAD - 3 (FMS)

Hand and computer-assisted drawing; geometric constructions, orthographic projections and sketching; section views, auxiliary views, descriptive geometry; and CAD concepts and applications.

CE 206 - Civil Engineering Surveying - 0 to 2 (FS)

Principles of plane surveying; introduction to the use of surveying equipment; and collection and reduction of field data. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 204

CE 240 - Statics - 3 (FMS)

Static equilibrium conditions for forces and moment systems; first and second moments of lines and areas. Friction. Shear and moment diagrams. IAI Course EGR 942.

Attributes: IEGR
Prerequisites: PHYS 151 OR PHYS 141

CE 242 - Mechanics of Solids - 3 (FMS)

Elastic deformations and stresses in two-dimensional structural elements caused by axial, bending, shear, and torsion loads. Stress-strain relationships, Mohr's circle; and elementary design concepts. IAI Course EGR 945.

Attributes: IEGR
Prerequisites: CE 240 Minimum Grade of C

CE 298 - Civil Engineering Work Experience II - 0 (FMS)

Supervised work experience with an agency, firm, or organization that uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: CE 198 Minimum Grade of S
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CE 299 - Engineering Co-op Education II - 0 (FMS)

Supervised work experience with agency, firm, or organization which employs engineers. Second period of five year academic/work experience program.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CE 315 - Fluid Mechanics - 3 (FMS)

Basic principles of conservation of mass; momentum and energy in fluid systems; dimensional analysis; open-channel flow; incompressible flow; and boundary layers. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 242 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering,Mechanical Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 330 - Engineering Materials - 2 (FS)

Physical and chemical properties of engineering materials (metals, woods, asphalt, and cement concrete). Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 242. Corequisite(s): CE330L
Corequisites: CE330L
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 330L - Engineering Materials Lab - 1 (FS)

Laboratory determination of material properties. Experiments include: wood bending and compression tests, aggregate tests, asphalt mix design, concrete mix design and steel tensile strength test. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: Corequisite(s): CE330
Corequisites: CE330
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering
Registration Consent: Instructor and Dept Chair

CE 342 - Structural Engineering I - 3 (FS)

Structural loads; kinematic instability; beam, truss, and frame analysis; computerized structural analysis; introduction to design of steel structures; and code requirements. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 242
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 343 - Structural Engineering II - 3 (FS)

Introduction to indeterminate structures. Virtual work; approximate methods of analysis; force method; introduction to design of reinforced concrete structures; and code requirements. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 330 (concurrency allowed) AND CE 342
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 354 - Geotechnical Engineering - 3 (FS)

Introduction to geotechnical engineering. Basic geological principles for engineering design; soil classification, water in soils, effective stress, shear strength and soil compressibility. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 242 (concurrency allowed) AND CE 315 (concurrency allowed). Corequisite(s): CE354L.
Corequisites: CE354L
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 354L - Geotechnical Engineering Lab - 1 (FS)

Laboratory and field experiments in soil mechanics. Additional Prerequisite: Major/School Restriction.

Prerequisites: Corequisite(s): CE354.
Corequisites: CE354
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering

CE 376 - Transportation - 3 (FMS)

Planning and design of air, highway, rail, water, and

pipeline transportation facilities (geometric and structural). Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 206 AND ME 262 (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 380 - Environmental Engineering - 3 (FSaM)

Application of principles of chemistry, physics, biology, and mathematics to engineered systems for water purification, wastewater treatment, air pollution control, and solid waste management. Requires completion of stated prerequisite or consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 398 - Civil Engineering Work Experience III - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: CE 298 Minimum Grade of S
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

CE 399 - Engineering Cooperative Education III - 0 (FMS)

Supervised work experience with agency, firm, or organization which employs engineers. Third work period of five year academic/work experience program.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CE 415L - Applied Fluid Mechanics Lab - 1 (FS)

Laboratory experiments involving flow of water in pipes, open channels, and other water resources and environmental engineering systems. Not for graduate credit. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 315
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 416 - Engineering Hydrology - 3 (F)

Hydrological processes and their relationship to design of structures for control and management of water resources, rainfall-runoff relationship, probability and frequency analysis, surface water hydrology. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 315 (concurrency allowed) AND CE 354 (concurrency allowed) AND STAT 380
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 435 - Pavement Design - 3 (M)

Analysis and design for highways and airports. Factors affecting pavement performance and code requirements. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 330 AND CE 343 AND CE 354
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 441 - Design of Timber Structures - 3 (F)

Design and analysis of timber structures and timber design code. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 343 (concurrency allowed)
Restrictions: Must be enrolled in one of the

following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: SIU Coop Grad Pgms - Doctoral; Doctoral Candidate; Master's Candidate; Junior; Senior with Degree; Senior

CE 443 - Design of Masonry Structures - 3 (SaF)

Design and analysis of masonry structures and masonry design code. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 343 (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 445 - Advanced Structural Analysis - 3 (F)

Analysis of indeterminate two- and three-dimensional trusses and frames, with emphasis on matrix methods. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 343 (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 446 - Advanced Concrete Design - 3 (S)

Advanced topics in reinforced concrete design, design of pre-stressed concrete beams, and code design requirements. Requires completion of stated prerequisites or consent of instructor.

Prerequisites: CE 343 AND CE 445 (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 449 - Advanced Steel Design - 3 (FM)

Plastic analysis of steel structures. LRFD design. Stability theory applied to structural design. Composite beams and columns. Introduction to seismic design. Code requirements. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 342 AND CE 343 (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior with Degree; Senior

CE 455 - Foundation Design - 3 (S)

Design of foundations, retaining walls, cofferdams, and earth embankments; formulation of design problem statements and specifications; and estimates of bearing capacity, settlements, and slope stability values. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 354.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 457 - Soil Mechanics in Engineering - 3

Mineralogy and Soil Behavior, Advanced Seepage and Consolidation Analyses, Engineering Applications of Soil Mechanics, Implementation of Numerical Modeling in Soil Mechanics.

Prerequisites: CE 354.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

CE 458 - Geological and Geotechnical Exploration - 3

Introduces students to the concepts behind testing rocks, soils, and profiles; geophysical testing; and planning a geotechnical investigation and testing program.

Prerequisites: CE 354 with a minimum grade of D or consent of instructor or graduate standing.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 459 - Soil Improvement - 3 (aF)

Instruction will include introduction to problematic geomaterials, geotechnical failures, soil improvement methods, design considerations, construction and quality control/assurance, densification and replacement techniques.

Prerequisites: CE 354 with a minimum grade of D or consent of instructor or graduate standing.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 460 - Municipal Infrastructure Design - 3 (FS)

Municipal infrastructure analysis and design; water distribution networks; wastewater collection; street systems; and engineering processes of municipal designs. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 315 AND CE 376.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 474 - Computer Simulation in Traffic Engineering - 3 (aS)

Highway capacity software (HCS), signal timing software (SYNCHRO), and micro-simulation software (TSIS).

Prerequisites: CE 376.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering

CE 475 - Transportation Planning - 3

Covers the basis for transportation planning process; modeling transportation demand and supply; project evaluation for decision making, and transportation sustainability.

Prerequisites: CE 376.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering

CE 476 - Traffic Studies - 3 (aF)

Acquisition, evaluation, statistical analysis and reporting of traffic engineering data used to design, evaluate and operate transportation systems. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 376.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering

CE 482 - Water Resources Engineering and Management - 3

Excessive water use have adverse impacts on environment and natural water resources. Sustainable management is a necessity. Course focuses on demand analysis and management of water resources for different use.

Prerequisites: CE 416 Minimum Grade of C (concurrency allowed).

CE 483 - Applications of GIS in Hydrologic Analyses - 3

The course focuses on preparing geospatial (raster and vector) data required for modeling/simulating surface water hydraulics and application of simulated hydraulics to analyze flood inundation.

Prerequisites: CE 315 (concurrency allowed) OR CE 416 (concurrency allowed) OR Graduate level CE 416 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior

CE 486 - Wastewater Treatment Design - 3 (aF)

Design of wastewater treatment systems including: preliminary, primary, and secondary treatment processes and biosolids treatment and disposal. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 380.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CE 487 - Water Treatment Design - 3 (aF)

Design of potable water treatment processes with emphasis on chemical and physical unit operation. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 380.
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior with Degree; Senior

CE 491 - Civil Engineering Project - 1 to 4 (MS)

Individual investigation of a topic in civil engineering to be agreed upon with the instructor. May be repeated for a maximum of 6 hours provided no topic is repeated.

Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior
Registration Consent: Instructor

CE 492 - Topics in Civil Engineering - 1 to 5 (FS)

Selected topics of special interest. May be repeated to a maximum of 6 hours provided no topic is repeated.

Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior with Degree; Senior
Registration Consent: Instructor

CE 493 - Engineering Design - 3 (FS)

Team/individual design projects requiring application of engineering principles to formulation of design problem statements and specifications; development of alternative solutions for open-ended design problems. Not for graduate credit. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: CE 343 AND CE 354 AND CE 376 AND CE 380 AND CE 460 (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Civil Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CE 497 - Bachelor Thesis - 4

Students work with guidance of a faculty mentor to complete a project on a Civil Engineering topic. This course is intended for exchange students and double-degree students from international partner Universities.

Restrictions: Must be enrolled in one of the following Majors: Civil Engineering
Registration Consent: Instructor and Advisor

Chemistry (CHEM)

CHEM 113 - Introduction to Chemistry - 3 (FMS)

Preparation for University Chemistry. Mathematical techniques, problem solving, chemical terms, concepts, and laws. For students with inadequate preparation in high school chemistry. Three lecture hours and one problem session per week.

Attributes: PS
Prerequisites: SAT Math Section Score 530 OR ACT Math 22 OR (ACCUPLACER Adv Algebra-Fnctns 200 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 46 OR MATH 116 OR AD 095

CHEM 120A - General, Organic, and Biological Chemistry - 3 (FMS)

Not for Chemistry majors. General chemistry. Three lecture hours and one laboratory per week. Must be taken in sequence. IAI Course P1 902.

Attributes: BPS, IAPS
Prerequisites: Corequisites: CHEM 124A.
Corequisites: CHEM124A

CHEM 120B - General, Organic, and Biological Chemistry - 3 (FMS)

Primarily for students planning careers in Nursing and Allied Health professions. Not for Chemistry majors. Organic and biological Chemistry. Three lecture hours and one laboratory per week. Must be taken in sequence.

Attributes: BPS

Prerequisites: CHEM 120A.

CHEM 121A - General Chemistry - 4 (FMS)

University-level modern chemistry for science and engineering students, atomic structure, molecular bonding, structure, stoichiometry, chemical change, equilibrium, and qualitative analysis. Four lecture hours per week. Must be taken in sequence. IAI Course P1 902, CHM 911.

Attributes: BPS, IAPS, ICHM
Prerequisites: One year of high school chemistry OR CHEM 113 Minimum Grade of C OR Chemistry Readiness Exam Score 39 OR CHEM120A Minimum Grade of C AND MATH Requirement: MATH 120, 120E, 120I Minimum Grade of C OR MATH 125,145,150 Minimum Grade of C (concurrency allowed) OR ALEKS PPL - Math Plcmnt 61 OR ACCUPLACER Adv Algebra-Fnctns Minimum score of 250 AND ACCUPLACER QR-Algebra-Stats Minimum score of 250

CHEM 121B - General Chemistry - 4 (FMS)

University-level modern chemistry for science and engineering students. Atomic structure, molecular bonding, structure, stoichiometry, chemical change, equilibrium, and qualitative analysis. Four lecture hours per week. Must be taken in sequence. IAI Course CHM 912.

Attributes: BPS, ICHM
Prerequisites: CHEM 121A Minimum Grade of C.

CHEM 124A - General, Organic, and Biological Chemistry Laboratory - 1 (FMS)

Safety practices and basic techniques. Topics complement CHEM 120. Not for Chemistry majors. General and organic Chemistry. Three laboratory hours per week. Must be taken in sequence. This course replaces CHEM 120A-Lab portion. IAI Course P1 902L.

Attributes: BPS, EL, IAL
Prerequisites: Corequisite(s): CHEM120A.
Corequisites: CHEM120A

CHEM 124B - General, Organic, and Biological Chemistry Laboratory - 1 (FMS)

Safety practices and basic techniques. Topics complement CHEM 120. Not for Chemistry majors. (A)General and Organic Chemistry. Three laboratory hours per week. Must be taken in sequence. Replaces CHEM 120B-Lab portion.

Attributes: BPS, EL
Prerequisites: CHEM 124A. Corequisite(s): CHEM120B.
Corequisites: CHEM120B

CHEM 125A - General Chemistry Lab - 1 (FMS)

Laboratory safety practices and techniques; qualitative and quantitative analysis; chemical change and equilibria. One three-hour laboratory per week. IAI Course P1 902L, CHM 911.

Attributes: BPS, EL, IAL, ICHM
Prerequisites: Corequisites: CHEM 121A.
Corequisites: CHEM121A

CHEM 125B - General Chemistry Laboratory - 1 (FMS)

Laboratory safety practices, techniques, qualitative and quantitative analysis, chemical change and equilibria. One - three hour laboratory per week. IAI Course CHM 912.

Attributes: BPS, EL, ICHM
Prerequisites: Corequisites: CHEM 121B.
Corequisites: CHEM121B

CHEM 131 - Engineering Chemistry - 4 (FS)

Fundamental principles of chemistry especially for students planning careers in engineering fields. Concepts represent the basic principles of chemistry with emphasis on engineering applications.

Attributes: BPS
Prerequisites: One year of high school chemistry OR CHEM 113 Minimum Grade of C OR Chemistry Readiness Exam Score 39 OR CHEM120A Minimum Grade of C AND MATH Requirement: MATH 120, 120E, 120I Minimum Grade of C OR MATH 125,145,150 Minimum Grade of C (concurrency allowed) OR ALEKS PPL - Math Plcmnt 61 OR ACCUPLACER Adv Algebra-Fnctns Minimum score of 250 AND ACCUPLACER QR-Algebra-Stats Minimum score of 250

CHEM 135 - Engineering Chemistry Lab - 1 (FS)

Chemical laboratory experiments with an emphasis on engineering applications. Laboratory safety practices, techniques, qualitative and quantitative analysis, chemical change and equilibria. One three-hour laboratory per week.

Attributes: BPS, EL
Prerequisites: Corequisites: CHEM131.
Corequisites: CHEM131

CHEM 196 - Chemistry Peer Led Team Learning (PLTL) Leadership Course - 0 (FS)

Peer Led Team Learning to Solve Introductory Chemical problems. Faculty-supervised Peer Led Team Learning approach to manage groups of students to solve introductory chemical problems.

Prerequisites: CHEM 121A Minimum Grade of C AND CHEM 121B Minimum Grade of C.
Registration Consent: Instructor

CHEM 241A - Organic Chemistry - 3 (FMS)

Structural types of organic compounds correlated with chemical and physical properties; bonding, reaction dynamics, reaction types, stereochemistry, functional groups, spectroscopic methods. Three lecture hours per week. Must be taken in sequence.

Attributes: BPS
Prerequisites: CHEM 121B Minimum Grade of C.

CHEM 241B - Organic Chemistry - 3 (FMS)

Structural types of organic compounds correlated with chemical and physical properties; bonding, reaction dynamics, reaction types, stereochemistry, functional groups, and spectroscopic methods. Three lecture hours per week. Must be taken in sequence.

Attributes: BPS
Prerequisites: CHEM 241A Minimum Grade of C.

CHEM 245 - Organic Chemistry Lab - 2 (MS)

Organic synthesis. Techniques for determining physical and chemical properties of organic systems. Two - three hour laboratory periods per week.

Attributes: BPS, EL
Prerequisites: CHEM 241A AND CHEM 241B (concurrency allowed).

CHEM 296 - Introduction to Chemical Problems - 0 to 1 (FMS)

Faculty supervised introduction to elementary chemical problems. Written report at end of semester required. May be repeated to maximum of 3 hours.

Attributes: PS
Prerequisites: CHEM 121B Minimum Grade of C AND CHEM 125B Minimum Grade of C.
Registration Consent: Instructor

CHEM 300 - Professionalism in Science - 1 (FM)

Responsible conduct of research, science literature, interaction of science and society, communication/presentation skills including written, oral, and visual forms.

Prerequisites: CHEM 241A (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Chemistry

CHEM 331 - Quantitative Analytical Chemistry - 3 (FM)

Theory and methods of chemical analysis. Three lecture hours per week.

Attributes: PS
Prerequisites: CHEM 121B. Corequisites: CHEM335
Corequisites: CHEM335

CHEM 335 - Quantitative Analytical Chemistry Laboratory - 1 (FM)

Laboratory experience in gravimetric, volumetric, chromatographic, and instrumental analytical techniques. One - three hour laboratory per week.

Attributes: EL, PS
Prerequisites: CHEM 125B Corequisites: CHEM331.
Corequisites: CHEM331

CHEM 345 - Advanced Organic Chemistry Laboratory - 2 (S)

Identification of organic compounds and advanced synthetic techniques. Two laboratory periods per

week.

Attributes: PS
Prerequisites: CHEM 241B AND CHEM 245.

CHEM 351 - Basic Biochemistry I - 3 (FMS)

Topics will include the structure and function of biologically important macromolecules including: nucleic acids, proteins, carbohydrates, as well as regulation of metabolism, biosynthesis, and degradation of biological molecules. Not for chemistry majors.

Attributes: BLS
Prerequisites: CHEM 241B Minimum Grade of C.
Restrictions: May not be enrolled as one of the following Majors: Chemistry

CHEM 352 - Basic Biochemistry 2 - 3 (FMS)

Basic Biochemistry 2 - Continuation of CHEM 351. Topics will include the structure and function of biologically important macromolecules including: carbohydrates and lipids, as well as regulation of metabolism, biosynthesis, and degradation of biological molecules. Not for chemistry majors.

Attributes: BLS
Prerequisites: CHEM 351 Minimum Grade of C.
Restrictions: May not be enrolled as one of the following Majors: Chemistry

CHEM 361A - Physical Chemistry - 3 (F)

Mathematical models of chemical behavior and its underlying causes. Experimental foundations of models, thermodynamics, statistical mechanics, kinetics, quantum mechanics, and spectroscopy with applications. Three lecture hours per week. Prerequisite: CHEM 121B, MATH 152, CHEM 300 (can be concurrent), and PHYS 132, 132L or PHYS 131B or PHYS 152 or PHYS 211B or PHYS 206B.

Attributes: PS
Prerequisites: Complete MATH 152 and CHEM 121B and CHEM 300 (concurrency allowed) and PHYS 132 or PHYS 132L or PHYS 152.

CHEM 361B - Physical Chemistry - 3 (S)

Mathematical models of chemical behavior and its underlying causes. Experimental foundations of models, thermodynamics, statistical mechanics, kinetics, quantum mechanics, and spectroscopy with applications. Three lecture hours per week.

Attributes: PS
Prerequisites: CHEM 361A.

CHEM 365A - Physical Chemistry Laboratory - 2 (F)

Investigations of physical chemical phenomena. Emphasis on computer-aided data analysis, rigorous preparation of written reports, and introduction to chemical literature. One - four hour laboratory period per week.

Attributes: EL, PS
Prerequisites: Corequisites: CHEM 361A.
Corequisites: CHEM361A

CHEM 365B - Physical Chemistry Laboratory - 1 (S)

Investigations of physical chemical phenomena. Emphasis on computer-aided data analysis, rigorous preparation of written reports, and introduction to chemical literature. One - four hour laboratory period per week.

Attributes: EL, PS
Prerequisites: Corequisites: CHEM 361B.
Corequisites: CHEM361B

CHEM 396 - Introduction to Research - 2 (FMS)

Investigation of simple research problems in chemistry directed by faculty member. Students are required to submit a written report at end of each semester in which they are enrolled.

Attributes: PS
Registration Consent: Instructor

CHEM 410 - Bioinorganic Chemistry - 3 (S)

Exploration of the principles of inorganic reactivity through the structure, stability and reactivity of metal ion-biomolecule complexes, as revealed through appropriate physical methods.

Attributes: PS
Prerequisites: CHEM 451A Minimum Grade of C OR Graduate level CHEM 451A Minimum Grade of C.

Restrictions: Must be enrolled in one of the following Majors: Chemistry

CHEM 411 - Inorganic Chemistry - 3 (F)

Modern inorganic chemistry including: bonding theory; symmetry and group theory; stereochemistry of complexions; reaction mechanisms; main group chemistry; transition metal chemistry; and organometallic chemistry. Three lecture hours per week.

Attributes: PS
Prerequisites: CHEM 361A.

CHEM 415 - Inorganic Chemistry Lab - 2 (F)

Synthesis of inorganic compounds. Vacuum and controlled atmosphere techniques. Two - three hour labs per week. Not for graduate credit.

Attributes: EL, PS
Prerequisites: CHEM 411 (concurrency allowed).

CHEM 419 - Special Topics in Inorganic Chemistry - 1 to 3

Selected advanced topics. May be repeated up to 6 hours so long as no topic is repeated.

Attributes: PS
Prerequisites: CHEM 361A.
Registration Consent: Instructor

CHEM 431 - Instrumental Analysis - 3 (S)

Theory and methods of modern instrumental analytical techniques and instrumentation. Three lecture hours per week.

Attributes: PS
Prerequisites: CHEM 331 AND (CHEM 361A OR CHEM 461A).

CHEM 432 - Forensic Chemistry - 3

Forensic chemical and instrumental analysis methods for trace ecidence including drugs of abuse, fibers, explosives, coatings, and polymers.

Attributes: PS
Prerequisites: CHEM 331 AND CHEM 335 AND CHEM 361A (concurrency allowed).

CHEM 435 - Instrumental Analysis Lab - 1 (S)

Laboratory practice in spectroscopic and other instrumental techniques. One - four hour laboratory per week.

Attributes: EL, PS
Prerequisites: CHEM 431 (concurrency allowed).

CHEM 439 - Advanced Topics in Analytical Chemistry - 1 to 3 (MS)

Selected advanced topics. May be repeated for up to 6 hours as long as no topic is repeated.

Attributes: PS
Prerequisites: CHEM 331 AND CHEM 335 AND CHEM 361A.
Registration Consent: Instructor

CHEM 444 - Organic Reaction - 3 (S)

Emphasis on mono-functional compounds. Topics not covered in elementary courses. Three lecture hours per week.

Attributes: PS
Prerequisites: CHEM 241B.

CHEM 445 - Spectrometer Operation, Experimental Design, and Analysis - 1 (FS)

Current practices in the operation, experimental design, and analysis of modern NMR, and other types of spectroscopy.

Attributes: PS
Prerequisites: CHEM 241B Minimum Grade of C.

CHEM 446 - Organic Spectral Analysis - 1 (F)

Use of modern spectral techniques to analyze the structure of organic compounds. Various types of spectroscopy along with computer techniques will be employed. Requires consent of instructor.

Attributes: PS
Prerequisites: CHEM 241B AND CHEM 361B.

CHEM 449 - Special Topics in Organic Chemistry - 1 to 3

Selected advanced topics. May be repeated for up to 6 hours so long as no topic is repeated.

Attributes: PS
Prerequisites: CHEM 241B AND CHEM 361A.
Registration Consent: Instructor

CHEM 451A - Biochemistry - 3 (FMS)

Life processes at the molecular level. Structure and function of biomolecules.

Attributes: BLS
Prerequisites: CHEM 300 Minimum Grade of C (concurrency allowed) AND CHEM 241B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Chemistry,Chemistry

CHEM 451B - Biochemistry - 3 (FMS)

Life processes at molecular level. Intermediary metabolism, transmission of hereditary information. Must be taken in sequence.

Attributes: LS
Prerequisites: CHEM 451A Minimum Grade of C.

CHEM 451C - Biochemistry - 3 (F)

Life processes at molecular level. Advanced topics including proteomics, genomics, cellular and molecular techniques, bioanalytical, biophysical and bioorganic chemistry. Must be taken in sequence.

Attributes: LS
Prerequisites: CHEM 451B Minimum Grade of C OR Graduate level CHEM 451B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Chemistry

CHEM 455 - Experimental Methods in Biochemistry - 2 (MS)

Current practice in enzyme isolation and assessment. Microcomputer-assisted data treatment, graphics, statistical methods, and data acquisition. Four laboratory hours per week.

Attributes: EL, LS
Prerequisites: CHEM 241B Corequisites: CHEM451B.
Corequisites: CHEM451B

CHEM 459 - Special Topics in Biochemistry - 1 to 3 (S)

Selected topics such as enzymology, metabolism, and nucleic acids. May be repeated for a total of 6 hours provided no topic is repeated.

Attributes: LS
Prerequisites: CHEM 361A.
Registration Consent: Instructor

CHEM 461A - Biophysical Chemistry I - 3 (F)

Examination of biophysical chemistry principles of thermodynamics and kinetics and the understanding of biological systems using physical chemistry.

Attributes: PS
Prerequisites: (PHYS 132 Minimum Grade of C OR PHYS 152 Minimum Grade of C) AND (CHEM 451B Minimum Grade of C OR Graduate level CHEM 451B Minimum Grade of C) AND (MATH 145 Minimum Grade of C OR MATH 150 Minimum Grade of C).
Restrictions: Must be enrolled in one of the following Majors: Chemistry

CHEM 461B - Biophysical Chemistry II - 3 (S)

Course will examine the biophysical chemistry principles of quantum mechanics and spectroscopy and the understanding of biological systems using physical chemistry.

Attributes: PS
Prerequisites: CHEM 461A Minimum Grade of C OR Graduate level CHEM 461A Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Chemistry

CHEM 465 - Biophysical Chemistry Lab - 2 (F)

Investigations of biophysical chemical phenomena. Emphasis on computer aided data analysis, rigorous preparation of written reports, introduction to chemical literature. Six hours of laboratory per week.

Prerequisites: CHEM 461A Minimum Grade of C OR Graduate level CHEM 461A Minimum Grade of C.

CHEM 469 - Special Topics in Physical Chemistry - 1 to 3

Selected advanced topics. May be repeated for up to 6 hours provided no topic is repeated.

Attributes: PS
Prerequisites: CHEM 361B.
Registration Consent: Instructor

CHEM 471 - Principles of Toxicology - 3 (F)

Chemical and biological effects of toxic substances in living organisms at the molecular and cellular level. Topics include: routes of entry, mechanism of action, effects, and antidotes. Same as ENSC 431.

Attributes: BLS
Prerequisites: (CHEM 120A AND CHEM 120B) OR (CHEM 121A AND CHEM 121B) AND BIOL 150 AND BIOL 151.
Restrictions: May not be enrolled as the following Classifications: Freshman; Junior; Sophomore

CHEM 479 - Special Topics in Environmental Chemistry - 1 to 3

Selected advanced topics. May be repeated to a maximum of 6 hours provided no topic is repeated.

Attributes: PS
Prerequisites: CHEM 241B.
Registration Consent: Instructor

CHEM 480 - Principles of Fermentation Chemistry and Biochemistry - 2 (F)

Covers the basic principles of the historical, scientific, technological, and cultural aspects of fermentation chemistry and biochemistry in biofuels, fermented beverages, and food production. Requires high school chemistry.

Registration Consent: Instructor

CHEM 481 - Principles of Fermentation Chemistry and Biochemistry Laboratory - 2 (F)

Covers various aspects of fermentation with an emphasis on the basic chemical and biochemical changes that occur during the fermentation process.

Attributes: BPS, EL
Prerequisites: CHEM 480 Minimum Grade of C (concurrency allowed).

CHEM 482 - BioProcessing Chemistry and Biochemistry - 2 (S)

Covers the intermediate principles of the historical, scientific, technological, and cultural aspects of fermentation of chemistry and biofuels, fermented beverages, and food production.

Attributes: BPS
Prerequisites: CHEM 480 Minimum Grade of C AND CHEM 481 Minimum Grade of C.

CHEM 483 - BioProcessing Chemistry and Biochemistry Laboratory - 2 (S)

Will cover various aspects of fermentation with an emphasis on the intermediate chemical and biochemical changes that occur during the fermentation process.

Attributes: BPS, EL
Prerequisites: CHEM 482 Minimum Grade of C (concurrency allowed).

CHEM 484 - Advanced BioProcessing Chemistry and Biochemistry - 2 (M)

Covers advanced principles of the historical, scientific, technological, and cultural aspects of fermentation chemistry and biochemistry in biofuels, fermented beverages, and food production.

Attributes: BPS
Prerequisites: CHEM 482 Minimum Grade of C AND CHEM 483 Minimum Grade of C. Corequisites: CHEM 485.
Corequisites: CHEM485

CHEM 485 - Advanced BioProcessing Chemistry and Biochemistry Laboratory - 2

Will cover various aspects of fermentation with an emphasis on the advanced chemical and biochemical changes that occur during the fermentation process.

Attributes: BPS, EL
Prerequisites: CHEM 482 Minimum Grade of C AND CHEM 483 Minimum Grade of C. Corequisites: CHEM 484.
Corequisites: CHEM484

CHEM 494 - Methods of Teaching Science in Secondary Schools - 3 (F)

Teaching and resource materials for secondary science instruction. Planning and presenting lessons, problem solving techniques, controversial topics in the classroom, safety concerns, educational technology, pedagogical content knowledge.

Attributes: PS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

CHEM 496 - Chemical Problems - 2 (FMS)

Research problems directed by faculty member. May be repeated up to a maximum of 4 hours. Students are required to submit written report at end of each semester in which they are enrolled. Not for graduate credit.

Attributes: PS
Registration Consent: Instructor

CHEM 499 - Senior Assignment - 0 (FMS)

Capstone exam, review of professional ethics and communications, and presentation on research or literature topic. Required for graduation.

Prerequisites: CHEM 300 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Chemistry, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

Chinese (CHIN)

CHIN 101 - Elementary Chinese I - 4 (F)

Reading, writing, listening, comprehension, and speaking in Chinese, within context of Chinese culture. Lab included.

Attributes: BICS, EREG, FL, HUM

CHIN 102 - Elementary Chinese II - 4 (S)

Continuation of CHIN 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Prerequisites: CHIN 101

CHIN 201 - Intermediate Chinese I - 4 (F)

Further comprehension of spoken language and oral expression, reading modern prose selections, and writing simple compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: CHIN 102

CHIN 202 - Intermediate Chinese II - 4 (S)

Continuation of CHIN 201. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: CHIN 201

CHIN 301 - Advanced Chinese I - 4

In-depth grammar review. Composition and conversation. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: CHIN 202
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

Curriculum and Instruction (CI)

CI 301 - Understanding the Pre-Primary - 3

Characteristics of infants, toddlers, and young children (birth to age 6); study and observation in formal and informal settings.

CI 314 - Elementary and Middle Level Methods - 1 to 3

Current educational theory and practice; processes and underpinnings of teaching and learning in elementary education. Repeatable to 3 credit hours. Requires consent of Instructor.

Restrictions: Must be enrolled in one of the following Majors: Elementary Education
Registration Consent: Instructor

CI 315A - Methods of Teaching in Secondary - 2 (F)

Teaching skills for secondary students focusing on effective teaching research and its application to the secondary classroom. Prerequisite: consent of advisor.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C AND EPFR 320 (concurrency allowed) AND EPFR 315 (concurrency allowed).
Registration Consent: SEHHB Advisor

CI 315B - Methods of Teaching in Secondary - 2 (S)

Teaching skills for secondary students focusing on participant observation skills, model teaching, discipline techniques, content teaching.

Prerequisites: CI 315A OR HED 370
Registration Consent: SEHHB Advisor

CI 316 - Early Childhood Methods in the Classroom - 1

Integration of methods and classroom processes in classroom settings. Includes theory, research, and practice related to professional teaching and learning of young children.

Prerequisites: Corequisite(s): CI 301, SPE 440
Corequisites: CI301, SPE440
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education

CI 317 - Pre-Kindergarten Methods - 3

Instructional strategies appropriate for preschool children, with emphasis on interrelatedness of sensorimotor, conceptual, and social development.

Prerequisites: CI 301

CI 323 - Literacy Development - Birth through Kindergarten - 3

Literacy development birth through kindergarten, with emphasis on designing appropriate reading, writing, listening, and speaking experiences for young children. Also includes suitable children's literature.

Prerequisites: CI 301

CI 343 - Social Studies at Elementary and Middle Levels - 3

Application of theory and pedagogy of elementary and middle level social studies methods: standards, strategies, instructional materials, assessments and technology. Requires admission to the Elementary or Early Childhood Education program or consent of program director.

Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary Education

CI 352A - Secondary Student Teaching: Art - 5 to 12 (FS)

Practice teaching in a secondary school. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352B - Secondary Student Teaching: Biology - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by secondary education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352C - Secondary Student Teaching: Business - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352D - Secondary Student Teaching: Chemistry - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352E - Secondary Student Teaching - 6 to 12

Practice teaching in the secondary schools.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352F - Secondary Student Teaching: English - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352G - Secondary Student Teaching: Foreign Language - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352H - Secondary Student Teaching: Earth and Space - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352I - Secondary Student Teaching: Geography - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352J - Secondary Student Teaching: Political Science - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary Education
Registration Consent: SEHHB Advisor

CI 352L - Secondary Student Teaching: History - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352M - Secondary Student Teaching - 6 to 12

Practice in the secondary schools.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352N - Secondary Student Teaching: Math - 6 to 12 (S)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352O - Secondary Student Teaching: Music - 5 to 12 (FS)

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352P - Secondary Student Teaching: PE - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program advisor.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352Q - Secondary Student Teaching: Physics - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 352T - Secondary Student Teaching: Theater - 6 to 12

Practice teaching in the secondary schools. Requires registration by Secondary Education program adviser.

Prerequisites: CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C
Registration Consent: SEHHB Advisor

CI 388 - Curriculum and Instruction Co-op - 0

Education-related work in a school, educational center, or other business or agency under the supervision of a field supervisor, that may be paid experience and/or one that spans multiple terms.

Attributes: COOP
Prerequisites: Minimum cumulative GPA of 2.25.
Restrictions: Must be enrolled in one of the following Colleges: Sch of Ed, Hlth and Human Behav
Registration Consent: Dept Chair-Program Director

CI 398 - Curriculum and Instruction Internship - 0 (F)

Education-related work in a school, educational center, or other business or agency under the supervision of a field supervisor consisting of an unpaid experience that usually lasts one semester.

Attributes: COOP
Prerequisites: Minimum cumulative GPA of 2.25.
Restrictions: Must be enrolled in one of the following Colleges: Sch of Ed, Hlth and Human Behav
Registration Consent: Dept Chair-Program Director

CI 407 - The Middle and Junior High School - 3

Theoretical background and evolving trends in middle and junior high education; curriculum review; learning theories; methods of practice; management techniques.

Registration Consent: SEHHB Advisor

CI 410 - Principles of Early Childhood Education - 3

Examination of national and local programs in early childhood education with overview of issues, trends, and research.

CI 413 - Literature at Elementary and Middle Levels - 3

Surveys literature appropriate for elementary through middle level while focusing on multiple genres, curriculum integration and analysis of literary qualities. Not for Graduate credit.

Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary Education

CI 414 - Teaching Mathematics in Early Childhood Education. - 3

Mathematical concept development for Pre-K through Grade 3 teachers, emphasizing developmentally appropriate methodology and instructional strategies; and employing problem solving and inquiry-based learning.

Prerequisites: CI 301 AND CI 317 AND CI 323.
Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary Education

CI 416 - Infant & Toddler Development & Education - 3

Study of current theories, knowledge, and practice

concerning the growth and development of infants and toddlers.

CI 421 - Child Family and Community Relationships - 3

Parent involvement strategies: insight from community agency personnel pertaining to goals of early childhood and elementary programs.

Prerequisites: CI 301 OR CI 410.

CI 422 - Health and Nutrition for the Young Child - 3

Nutrition principles related to development of the young child, including food service selection and integration of nutrition concepts into early childhood curriculum.

Prerequisites: CI 301 and CI 410.

CI 424 - Literacy Strategies K-3 - 3

Literacy instructional strategies to meet the needs of diverse learners in K through grade three. Application of theory and pedagogy during field placement.

Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

CI 426 - Educational Assessment of Young Children - 3

Formal and informal assessment strategies for teachers of young children. Includes individuals and group assessment techniques for children birth through Grade 3. Not for graduate credit.

Prerequisites: CI 301 AND CI 317.

CI 433A - Selected Topics in CI: Curriculum - 3

Selected topics: Curriculum. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

CI 433B - Selected Topics in CI: Language Arts - 3

Selected topics: Language arts. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

CI 433C - Selected Topics in CI: Science - 3

Selected topics: Science. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

CI 433D - Selected Topics in CI: Reading - 3

Selected topics: Reading. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

CI 433E - Selected Topics in CI: Social Science - 3

Selected topics: Social studies. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

CI 433F - Selected Topics in CI: Math - 3

Selected topics: Mathematics. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

CI 433G - Selected Topics in CI: Early Childhood - 3

Selected topics: Early childhood. Each segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

CI 433H - Selected Topics in CI: Elementary Education - 3

Selected topics: Elementary education. Each

segment carries 3 credit hours and each segment may be repeated for up to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

CI 433I - Selected Topics in CI: Middle School - 3

Selected topics: Middle School Education. Each segment carries 3 credit hours and each segment can be repeated to a maximum of 9 hours. Requires consent of Instructor.

Registration Consent: Instructor

CI 433J - Selected Topics in CI: Secondary Education - 3

Selected topics: Secondary education. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

CI 433K - Selected Topics in CI: Community College - 3

Selected topics: Community college. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

CI 433L - Selected Topics in CI: Adult Education - 3

Selected topics: Adult education. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

CI 433M - Selected Topics in CI: Environmental Education - 3

Selected topics: Environmental education. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

CI 433N - Selected Topics in CI: Organization & Supervision - 3

Selected topics: Organization and supervision. Each segment carries 3 credit hours and each segment may be repeated to a maximum of 9 hours. Requires consent of instructor.

CI 434 - Teaching Science and Social Studies in Early Childhood - 3

Instructional strategies for teaching science and social studies in Pre-K through grade 3. Examination of functions, practices, and problematic issues of science and social studies education.

Prerequisites: CI 317.
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

CI 440 - Adolescent Literacy - 3

Instructional theories, practices, and strategies for literacy across content areas in middle and high school; enhancing interest and motivation; and assessment of students' literacy performance.

Registration Consent: Advisor

CI 447 - Reading for Speech Language Pathologists - 3

Theories and models of reading as related to instruction; connections between reading and speech difficulties; and ways to help children overcome difficulties.

CI 450 - Early Childhood Student Teaching - 3 to 12

Practice of teaching at early childhood level. Not for graduate credit. Requires registration by early childhood program adviser only.

Registration Consent: Advisor

CI 451A - Elementary Student Teaching - 3 to 10

Application of theory to practice of teaching. Not for graduate credit. Requires registration by elementary or early childhood education program adviser.

Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary

Education
Registration Consent: SEHHB Advisor

CI 451B - Elementary Student Teaching: Art - 3 to 6 (FS)

Practice of teaching art in elementary school. Not for graduate credit. Requires registration by elementary education program adviser.

Restrictions: Must be enrolled in one of the following Majors: Early Chhd/Elem Ed,Elementary Education
Registration Consent: SEHHB Advisor

CI 451C - Elementary Student Teaching: Music - 3 to 6 (FS)

Practice of teaching music in elementary school. Not for graduate credit. Requires registration by education program adviser.

Registration Consent: SEHHB Advisor

CI 451D - Elementary Student Teaching: PE - 3 to 12

Practice of teaching physical education in the elementary school. Not for graduate credit. Registration by permit only.

CI 452 - Curriculum Integration and Change - 2

A synthesis and application of coursework and change theory to school settings. Study of the relationship between career development and school reform. Not for graduate credit. Registration by education program adviser.

Registration Consent: Advisor

CI 471 - Teaching in the Multicultural Classroom - 3

Concepts and strategies for developing positive attitudes; increasing knowledge and selecting appropriate materials for teaching children from culturally diverse backgrounds.

CI 490A - Independent Readings and Projects in CI: Curriculum - 1 to 6 (S)

Independent Readings: Curriculum. Requires consent of Instructor.

Registration Consent: Instructor

CI 490B - Independent Readings and Projects in CI: Language Arts - 1 to 6

Independent Readings: Language Arts. Requires consent of Instructor.

Registration Consent: Instructor

CI 490C - Independent Readings and Projects in CI: Science - 1 to 6

Independent Readings: Science. Requires consent of Instructor.

Registration Consent: Instructor

CI 490D - Independent Readings and Projects in CI: Reading - 1 to 6

Independent Readings: Reading. Requires consent of Instructor.

Registration Consent: Instructor

CI 490E - Independent Readings and Projects in CI: Social Sciences - 1 to 6

Independent Readings: Social Studies. Requires consent of Instructor.

Registration Consent: Instructor

CI 490F - Independent Readings and Projects in CI: Mathematics - 1 to 6

Independent Readings: Mathematics. Requires consent of Instructor.

Registration Consent: Instructor

CI 490G - Independent Readings and Projects in CI: Early Childhood Education - 1 to 6 (S)

Independent Readings: Early Childhood Education. Requires consent of Instructor.

Registration Consent: Instructor

CI 490H - Independent Readings and Projects in CI: Elementary Education - 1 to 6 (FS)

Independent Readings: Elementary Education.

Requires consent of instructor.

Registration Consent: Instructor

CI 490I - Independent Readings and Projects in CI: Middle School Education - 1 to 6

Independent Readings: Middle School Education. Requires consent of instructor.

Registration Consent: Instructor

CI 490J - Independent Readings and Projects in CI: Secondary School Education - 1 to 6

Independent Readings: Secondary school education. Requires consent of instructor.

Registration Consent: Instructor

CI 490K - Independent Readings and Projects in CI: Community College - 1 to 6

Independent Readings: Community College. Requires consent of instructor.

Registration Consent: Instructor

CI 490L - Independent Readings and Projects in CI: Adult Education - 1 to 6

Independent Readings: Adult Education. Requires consent of Instructor.

Registration Consent: Instructor

CI 490M - Independent Readings and Projects in CI: Environmental Education - 1 to 6

Independent Readings: Environmental Education. Requires consent of Instructor.

Registration Consent: Instructor

CI 490N - Independent Readings and Projects in CI: Organization and Supervision - 1 to 6

Independent Readings: Organization & Supervision. Requires consent of Instructor.

Registration Consent: Instructor

CI 495 - Selected Topics - 3 (FS)

Varied content; offered as need exists and as faculty interest and time permit. See CougarNet for specific topics offered.

Curr & Instr in Education (CIED)

CIED 100 - Introduction to Education - 3 (FMS)

Provides a study of theory and research relating to teaching as a career through personal observations, discussions of schools, teachers' roles, and teaching as a profession.

CIED 302 - Field Experience II - 1 (F)

Current educational theory and practice as related to field experience; Clinical placements in P-12 classrooms as designated by program with introductory level experiences and responsibilities.

Prerequisites: CIED 310 Minimum Grade of C. Corequisite(s): CIED 312
Corequisites: CIED312
Registration Consent: SEHHB Advisor

CIED 303 - Field Experience III - 1 (S)

Current educational theory and practice as related to field experience; Clinical placements in P-12 classrooms as designated by program with introductory level experiences and responsibilities.

Prerequisites: CIED 302 Minimum Grade of S AND CIED 312 Minimum Grade of C. Corequisite(s): CIED 313
Corequisites: CIED313
Registration Consent: SEHHB Advisor

CIED 304 - Field Experience IV - 1 to 2 (F)

Current educational theory and practice as they relate to field experience; Up to two full-days clinical placements in P-12 classrooms with intermediate level experiences and responsibilities.

Prerequisites: CIED 303 Minimum Grade of S AND CIED 313 Minimum Grade of C. Corequisite(s): CIED 442
Corequisites: CIED442
Registration Consent: SEHHB Advisor

CIED 310 - Socially Just Instructional Practices for All Students - 3 (FMS)

This course examines the social, economic and political organization of public education in the United States, with a particular emphasis on the implications for historically marginalized populations. The course explores diversity and multiculturalism on the individual as well as institutional level, with a focus on concepts such as privilege, discrimination, racism and social transformation.

Attributes: ERGU, EUSC
Registration Consent: SEHHB Advisor

CIED 311 - Planning for Differentiated Instruction - 3 (F)

Introductory course on foundations of institutional planning and planning for differentiated instruction. Includes research on instructional methods appropriate for a diverse and inclusive classrooms.

Registration Consent: SEHHB Advisor

CIED 312 - Language and Communication in Multiple Contexts - 3 (F)

Apply phonological, synaptic, morphological, semantic, and pragmatic systems to communicate in diverse socio-cultural and linguistic contexts through reading, writing, listening, speaking, viewing, and visually representing.

Attributes: BICS
Prerequisites: CIED 310 Minimum Grade of C. Corequisite(s): CIED 302
Corequisites: CIED302
Restrictions: May not be enrolled as one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 313 - Introduction to Educational Assessment - 3 (FS)

Assessment as a component of inquiry. Introduction to the principles of assessment to inform instruction. Understanding types, uses, and application of statistics and assessments.

Prerequisites: CIED 302 Minimum Grade of S AND CIED 312 Minimum Grade of C. Corequisite(s): CIED 303
Corequisites: CIED303
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 314 - Creating and Managing Effective Learning Environments - 3 (FS)

Theories of classroom management and design, and how they interact with teaching style to create supportive, challenging, growth enhancing learning environments.

Prerequisites: CIED 310 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 315 - Developmental Issues in Middle Level Classrooms - 3

Designed to lead to understanding of physical, cognitive, social and emotional characteristics of young adolescents and the implications of these characteristics for responsive educational practice.

Prerequisites: CIED 301 Minimum Grade of C (concurrency allowed) AND CIED 310 Minimum Grade of C (concurrency allowed) AND CIED 311 Minimum Grade of C (concurrency allowed)

CIED 316 - Active Engagement with Infants and Toddlers - 3 (F)

Theory, research, and practice are integrated throughout the course to highlight all aspects of brain development, learning, emotional development, and early relationships.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 317 - Health, Safety, Nutrition and Physical Activity - 3 (F)

Introduces students to traditional and contemporary issues related to children’s health, safety, nutrition, and physical activity from infancy through school-age.

Restrictions: Must be enrolled in one of the

following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 318 - Collaborative Professional, Family, Community Relationships - 3 (S)

Develop understanding of role of the community in education: learn the skills needed to develop and maintain collaborative relationships with colleagues, families, community agencies

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 319A - Inquiry, Play, and Investigation and Education in the Early Years - 3 (S)

Candidates will learn to create supportive, nurturing environments that allow young children to thrive through active play and investigation through planning, implementing, and evaluation.

Prerequisites: Corequisite(s): CIED319B
Corequisites: CIED319B
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 319B - Inquiry, Play, and Investigation in the Early Years - Lab - 3

Laboratory experiences will engage teacher candidates in discovery and exploration so they experience the deep investigations across all content areas.

Prerequisites: Corequisite(s): CIED319A
Corequisites: CIED319A
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education

CIED 320 - Supporting Language & Literacy Development: Birth-Age 5 - 3 (S)

Focuses on planning and implementing appropriate literacy experiences for English speaking and Dual Language Learning children and their families.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 321 - Primary Literacy Assessment and Instruction - 3 (FS)

Theory and practice application for teaching primary level literacy including assessments, methods, strategies, literature, and materials for diverse students including English Language learners.

Prerequisites: CIED 302 Minimum Grade of S AND CIED 312 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 322 - Literacy Composition and Comprehension - 3 (F)

Applying theory and practice for teaching upper elementary and middle level literacy including assessments, methods, strategies, literature, and materials for diverse students including English Language learners.

Prerequisites: CIED 312 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 323 - Adolescent Disciplinary Literacy - 3 (FMS)

Applying theory and practice for teaching upper elementary and middle level literacy including assessments, methods, strategies, literature, and materials for diverse students including English Language learners.

Restrictions: Must be enrolled in one of the following Colleges: Sch of Ed, Hlth and Human Behav
Registration Consent: SEHHB Advisor

CIED 330 - Early Childhood Field Experience I - 1 (F)

Student will spend 2 mornings a week in an infant or toddler classroom observing and helping the teacher with routines and instruction.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education

Registration Consent: SEHHB Advisor

CIED 331 - Early Childhood Field Experience II - 1 (S)

Students will spend 2 mornings a week in a Pre-Kindergarten classroom observing and helping the teacher with routines and instruction.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 332 - Early Childhood Field Experience III - 1 (F)

Students will spend 2 full days a week in an elementary (K-2) classroom observing and helping the teacher with routines and instruction.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 407 - Middle School Philosophy and Organization - 3

Course will explore the philosophy behind the middle school movement, structures, age-appropriate instructional methods, and the development of curriculum for the middle level learner.

Prerequisites: CIED 304
Corequisites: CIED304

CIED 416 - Inquiry, Investigation and Play in the Primary Years - 3 (F)

The primary focus is on using complex play, the tools of literacy, mathematics, the arts and content knowledge to engage in deep inquiry.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 417 - Assessment of Young Children - 3 (FS)

Designed to engage candidates in using multiple, systematic observations and other responsible assessment strategies with young children and developing and administering informal and formal assessments.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 418 - Teaching Mathematics in Early Childhood Classrooms - 3 (F)

Major emphasis is placed on teaching and learning; integrating meaningful curriculum; learning environment; assessment; and technology.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 424 - Learning and Teaching English Language Arts at the Middle Level - 3 (M)

Course will focus on applying theory and principles to effective strategies in order to promote Literacy in the middle grades.

Registration Consent: SEHHB Advisor

CIED 425 - Learning and Teaching Mathematics at the Middle Level - 3 (M)

Designed around professional principles and standards. Course will focus on mathematics, equity, curriculum, teaching, learning, assessment, technology, and participation in a professional community.

Prerequisites: CIED 313 (concurrency allowed) AND (CIED 322 (concurrency allowed) OR CIED 323 (concurrency allowed))
Registration Consent: SEHHB Advisor

CIED 426 - Learning and Teaching Science at the Middle Level - 3 (M)

This course prepares middle level teacher candidates to implement science into the middle level curriculum using state and national standards as their guide.

Prerequisites: CIED 313 Minimum Grade of C (concurrency allowed) AND CIED 322 Minimum Grade of C (concurrency allowed)
Registration Consent: SEHHB Advisor

CIED 427 - Learning and Teaching Social

Studies at the Middle Level - 3 (M)

Provides context in which prospective middle level social studies teachers examine, utilizing a critical perspective, the functions, practices, and problematic issue of social studies education.

Registration Consent: SEHHB Advisor

CIED 428 - Creativity, Problem Solving, and Critical Thinking - 3 (F)

Introduction to innovative teaching methods requiring Creativity, Problem Solving and Critical Thinking and the processes of Design Thinking, and Breaker-Maker Education to improve student learning.

Restrictions: Must be enrolled in one of the following Majors: Elementary Education
Registration Consent: SEHHB Advisor

CIED 433 - Methods and Materials for Teaching Pre-K and Primary Dual & Second Language Learners - 3 (F)

This course will provide you with the knowledge and skills to implement strategies, methods, approaches, and best practices for teaching Dual Language Learners (DLLs) in pre-kindergarten and primary grades settings. It is intended as an overview course of important concepts of teaching young DLLs, including foundational information, general teaching strategies, and specific strategies for developing language and academic concepts.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 441 - Learning and Teaching Mathematics at the Elementary Level - 3 (F)

Designed around professional principles and standards. Course will focus on mathematics, equity, curriculum, teaching, learning, assessment, technology, and participation in a professional community.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 442 - Learning and Teaching Science at the Elementary Level - 3 (F)

This course prepares elementary teacher candidates to implement science into the elementary curriculum using state and national standards as their guide.

Prerequisites: CIED 313 Minimum Grade of C AND CIED 321 Minimum Grade of C. Corequisite(s): CIED304
Corequisites: CIED304
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 443 - Learning and Teaching Social Studies at the Elementary Level - 3 (S)

Provides a context in which prospective elementary social studies teachers examine, utilizing a critical perspective, the functions, practices, and problematic issues of social studies education.

Prerequisites: CIED 313 Minimum Grade of C AND CIED 321 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 451 - Student Teaching at the Elementary Level - 10 (FS)

Five day a week clinical placement in elementary/middle level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a teacher preparation program.

Prerequisites: CIED 304 Minimum Grade of S AND CIED 441 Minimum Grade of C AND CIED 442 Minimum Grade of C AND CIED 443 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education
Registration Consent: SEHHB Advisor

CIED 452 - Seminar in Professionalism and Ethics of Teaching - 1 to 2 (FS)

An exploration, synthesis and application of program

coursework to elementary field placements. May be repeated to a maximum of 6 credits.

Restrictions: Must be enrolled in one of the following Majors: Elementary Education
Registration Consent: SEHHB Advisor

CIED 455B - 9-12 Student Teaching Experience - Biology - 10

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455D - 9-12 Student Teaching Experience - Chemistry - 10 (S)

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455F - 9-12 Student Teaching Experience - English - 10 (S)

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455G - 9-12 Student Teaching Experience - Foreign Languages - 10 (S)

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455I - 9-12 Student Teaching Experience - Geography - 10

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455J - 9-12 Student Teaching Experience - Political Science - 10

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455L - 9-12 Student Teaching Experience - History - 10 (S)

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455N - 9-12 Student Teaching Experience - Math - 10

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 455T - 9-12 Student Teaching Experience - Theater - 10 (S)

Five day a week clinical placement in high school level classroom with experiences and responsibilities appropriate for pre-service educators in their final semester of a professional educator licensure program. Prerequisite: Acceptance into SEHHB

Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 456. OCECA Advisor approval.

Prerequisites: Corequisite(s): CIED456.
Corequisites: CIED456
Registration Consent: SEHHB Advisor

CIED 456 - 9-12 Senior Seminar in Professionalism and Ethics of Teaching - 2 (S)

An exploration, synthesis and application of previous program coursework. A synthesis and application to the filed during full-time student teaching. Prerequisite: Acceptance into SEHHB Secondary Education Licensure Sequence. Successful completion of the first three blocks of Secondary Professional Educator Licensure sequenced courses in SEHHB including: IT 300, CIED 302, CIED 303, CIED 304, CIED 310, CIED 311, CIED 313, CIED 314, CIED 314, CIED 323, and SPE 400. Successful completion of all CAS Content Methods course(s) for your subject area. You must meet the minimum required CAS Program major requirements. You must be concurrently enrolled in CIED 455 (b,d,f,g,i,j,l,n, or t). OCECA Advisor approval.

Registration Consent: SEHHB Advisor

CIED 457 - Professionalism, Ethics ad Advocacy in Early Childhood Education - 2 (S)

An exploration, synthesis and application of previous program coursework and translating its application to the field during full-time student teaching.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 458 - Pre-K Student Teaching - 5 or 10 (S)

Practice of teaching at Pre-K level.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 459 - Elementary Student Teaching - 5 or 10 (S)

Practice of teaching at Elementary (K-2) level.

Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education
Registration Consent: SEHHB Advisor

CIED 460 - Identity and Bias - 3 (S)

This course requires an introspective critical reflection of socially constructed identities and the bias that accompanies them. Unpacking socialization and the inherent biases we all hold will allow the space for current educators to unpack their own biases and re-think stereotypes. Participants will gain specific instructional strategies to create inclusive learning environments that minimize bias and increase academic performance in students.Participants will need to have completed a Bachelor's Degree in an educational field, seeking continuing education units for licensure, and/or be admitted into a graduate program for educators.

CIED 461 - Culturally Responsive Pedagogy - 3

This course is designed to support the current classroom teacher in modifying their pedagogical practice to a culturally responsive practice. Studying the tenants of Critical Race Theory with the culturally responsive practice will support the academic performance of students of color. Participants will have opportunities to receive guided support while they re-construct their teaching practice to be culturally responsive and socially just. Participants will need to have completed a Bachelor's Degree in an educational field, seeking continuing education units for licensure, and/or be admitted into a graduate program for educators.

Registration Consent: Instructor

CIED 462 - Whiteness and Microaggressions in Public Education - 3

This course is designed to illuminate public schools as institutions of whiteness. Participants will

critically analyze policies within public education that uphold and privilege whiteness while targeting and marginalizing students of color. Reviewing a history of public education's racial apartheid and de-segregation as an explanation of the current race- and class-based achievement gaps. Additionally, explicit instruction on the use of microaggressions as a form of keeping students "in their place" will be deconstructed and critically analyzed in order to minimize achievement gaps. Participants will need to have completed a Bachelor's Degree in an educational field, seeking continuing education units for licensure, and/or be admitted into a graduate program for educators.

Registration Consent: Instructor

CIED 463 - Socially Just Curricula - 3

This course will support the participants in researching and developing socially just curricula to their classrooms. Regardless of discipline or grade level, participants will have the one-on-one support for altering their practice and content to deliver high quality socially just curricula in a culturally responsive pedagogy. Participants will need to have completed a Bachelor's Degree in an educational field, seeking continuing education units for licensure, and/or be admitted into a graduate program for educators.

Prerequisites: CIED 460 AND CIED 461 AND CIED 462.
Registration Consent: Instructor

CIED 495 - Field Experience - Placement - 10 to 12 (FS)

Five day a week observation in pre-school, elementary, middle, and secondary level classroom with experiences and responsibilities appropriate for observation of pre-service educators.

Prerequisites: (CIED 304 Minimum Grade of S AND CIED 441 Minimum Grade of C AND CIED 442 Minimum Grade of C AND CIED 443 Minimum Grade of C) OR (SPE 418 Minimum Grade of C AND SPE 481 Minimum Grade of C (concurrency allowed)).
Restrictions: Must be enrolled in one of the following Majors: Early Childhood Education,Elementary Education,Special Education
Registration Consent: SEHHB Advisor

Criminal Justice Studies (CJ)

CJ 111 - Introduction to Criminal Justice - 3 (FMS)

Introduction to the system of Criminal Justice including police, courts, and corrections. IAI Course CRJ 901.

Attributes: BSS, ICRJ
Restrictions: May not be enrolled as the following Levels: Graduate

CJ 202 - Introduction to Corrections - 3 (FMS)

Overview of corrections in the U.S. includes philosophy of punishment, prisons, community-based sanctions, death penalty, and ethical issues. IAI Course CRJ 911.

Attributes: ICRJ, SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

CJ 205 - Juvenile Justice - 3 (FMS)

Arrest, pre-trial detention, court procedures, and punishment involving juveniles; includes waivers to adult court, privacy issues, community-based corrections, and recidivism. IAI Course CRJ 914.

Attributes: ICRJ, SS

CJ 206 - Principles of Criminal Law - 3 (FMS)

This course is an introduction to criminal law. The course covers the elements of crimes, criminal defenses and the nature of criminal responsibility.

Attributes: SS

CJ 207 - Criminal Procedure - 3 (FS)

Supreme Court criminal procedure cases analyzed. Application of law to stop and frisk, search, seizure, warrants, cyberspace, interrogations, etc., highlighted at federal and Illinois level.

Attributes: SS

CJ 208 - Introduction to Law Enforcement - 3

(FMS)

History, organization and operations of police; includes use of discretion, arrest powers, detective work, interagency cooperation, and use of force.

Attributes: SS

CJ 273 - Crime, Theory, and Practice - 3 (FS)

An overview of crime and the theories in Criminal Justice that form the foundation for policies and programs in the criminal justice systems. IAI Course CRJ 912.

Attributes: BSS, ICRJ

CJ 2SIU - SIU Shared Course - 1 to 5

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.

CJ 302 - Research Methods in Criminal Justice - 3 (FMS)

Major research methods in social sciences as applied to study of crime and justice; includes surveys; observational methods; experimentation; and comparative and historical research.

Attributes: SS
Prerequisites: CJ 111 Minimum Grade of C

CJ 303 - Data Analysis in Criminal Justice - 3 (FMS)

Key statistical concepts, their application and interpretation. Using a computer to calculate and graphically display statistics. Creating and manipulating data sets.

Attributes: EL, SS
Prerequisites: CJ 302 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Criminal Justice Studies

CJ 308 - Criminal Investigations - 3 (M)

Criminal Investigations are an essential component of American criminal justice. This course focuses on investigative logic and how evidence is developed and analyzed to ensure the successful prosecution of a criminal suspect.

Attributes: BSS
Prerequisites: CJ 208

CJ 311 - Perspectives on Terrorism - 3 (MS)

A survey of international and domestic terrorism, the organizations, philosophies, and responses. Investigates the social, psychological, cultural, historical, political, religious, and economic dynamics of terrorism.

Attributes: SS

CJ 348 - Law and Society - 3 (FS)

Examines the nexus of culture, dispute management and law. We will explore law as a social construct, focusing on law's everyday impact on citizens' lives. Crosslisted with PHIL 348 and POLS 392.

Attributes: EREG

CJ 357 - Organized Crime - 3 (M)

Explores the history, structure, and response to organized crime in the United States and other countries.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Graduate

CJ 364 - Rehabilitation and Treatment Modalities - 3 (FS)

Examines treatment and rehabilitation strategies, including theoretical foundations, counseling techniques, and community-based approaches.

Attributes: SS

CJ 366 - Race and Class in Criminal Justice - 3 (FMS)

Criminal Justice from the vantage point of race and class relations; racial and cultural interaction; enforcement patterns; use of discretion; case outcomes; and punishment.

Attributes: ERGU, SS

CJ 367 - Gender and Criminal Justice - 3 (S)

Explores issues of gender in criminal justice, particularly with regard to offending, victimization,

processing, incarcerating, rehabilitating and among professionals in the field. Same as WMST 367.

Attributes: ERGU, SS
Restrictions: May not be enrolled as the following Levels: Graduate

CJ 368 - Serial Rape and Murder - 3

Prevailing myths surrounding sexual assault and examination of the various typologies explaining rape and murder.

Attributes: SS
Prerequisites: CJ 273 Minimum Grade of C OR CJ 272 Minimum Grade of C

CJ 380 - Outlaw Motorcycle Gangs - 3 (S)

This class will examine the issue of Outlaw Motorcycle Gangs. The focus will be on the subculture, criminal activity, organizational structure, law enforcement response, and overall role that Outlaw Motorcycle Gangs have played in society.

Attributes: SS

CJ 390 - Special Topics in Criminal Justice - 3 (FMS)

Topics not included in regular course offerings. May be repeated once to a maximum of 6 hours provided no topic is repeated.

Attributes: SS

CJ 396 - Readings in Criminal Justice - 1 to 6 (FS)

Supervised readings or projects in selected areas of criminal justice. May be repeated for up to 6 hours. Requires consent of instructor.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Criminal Justice Studies
Registration Consent: Instructor

CJ 398 - Pre-Law Program Internship Independent Study - 3 (M)

This provides experimental learning internships for pre-law students to gain first-hand knowledge of legal settings. It is an online independent study by instructor approval.

Attributes: SS
Registration Consent: Instructor

CJ 401 - Community Corrections - 3 (S)

Historical and current practices and success rates of community based alternatives to prison; includes boot camps, probation, electronic monitoring and new "creative" sentencing.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 408 - Critical Issues in Law Enforcement - 3 (M)

Examination and analysis of issues in policing including training and socialization; management and organization; deviance; minority recruitment; community based efforts; and use of force.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 420 - United States Drug Policy - 3 (F)

Examine historical and contemporary drug use and policy efforts, including secondary problems affiliated with drugs; and the war on drugs and its impact nationally and internationally.

Attributes: ERGU, SS

CJ 435 - Victimology - 3

The central focus of this course is to familiarize the student with the substantive area of victimization and victimology, and the way crime and criminal behavior can be considered when the victim is a starting point of inquiry.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 450 - Neighborhoods and Crime: Exploring

Spatial Dimensions of Crime - 3

To develop an understanding of the relationship between communities and the way they contribute in shaping and controlling patterns of crime and delinquency.

Attributes: BSS
Prerequisites: CJ 273 Minimum Grade of C or graduate standing (GM).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 454 - Capital Punishment - 3 (S)

Explores the history, practice, and legal status of the death penalty in the United States and other countries.

Attributes: SS
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

CJ 464 - Mental Health and the Criminal Justice System - 3

Explores treatment of individuals with mental illness by police, courts, and corrections. Insanity defense, competency, commitment, diversion, and CIT discussed.

Attributes: SS

CJ 465 - Theories of the Just Society - 3 (F)

Examines various constructions of the just society and the functions of government. Students consider the role of law and its relationship to justice for citizens.

Attributes: SS
Prerequisites: CJ 273 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 474 - Genetic Investigations - 3

Covers DNA basics and analytic methods to understand the variety of DNA-based tools used by law enforcement to identify perpetrators of violence and to identify remains.

Prerequisites: CJ 111 Minimum Grade of C

CJ 475 - Cold Case Investigations - 3 (FS)

Collaborating with Illinois State Police, students gain exposure to investigation and evidence management, by creating a case synopsis. Students help assess the probability of case closure.

Registration Consent: Instructor

CJ 488 - Supervised Internship - Senior Assignment - 3 (FMS)

140 hours of supervised work in a criminal justice organization culminating in a written and oral presentation to CJ faculty relating the experience to coursework.

Prerequisites: CJ 111 Minimum Grade of C AND CJ 202 Minimum Grade of C AND CJ 206 Minimum Grade of C AND CJ 208 Minimum Grade of C AND CJ 273 Minimum Grade of C AND CJ 302 Minimum Grade of C AND CJ 366 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Criminal Justice Studies, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Dept Chair-Program Director

CJ 490 - Cybercrime - 3 (S)

Discusses such issues as defining cybercrime, technology, information and data in security management, types of abuse, attacks and crime, and who commits cybercrime.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CJ 4SIU - SIU Shared Course - 1 to 5

Computer Mgmt. & Info. Systems (CMIS)

CMIS 108 - Computer Concepts & Applications - 3 (FMS)

Computer technology's impact on individuals and

our world. Finding and accessing worldwide sources of information; presenting ideas orally, graphically and in writing. Graduation credit may be earned for CS 108 or CMIS 108; but not for both. IAI Course BUS 902.

Attributes: BICS, IBUS

CMIS 130 - Introduction to Programming Logic with Python - 3 (FMS)

This course introduces programming concepts used in developing business applications that require the following elements: Input, Output, Arithmetic Expressions, Loops, and Arrays.

Attributes: BICS

CMIS 232 - Microsoft IDE Progamming for Business - 3 (FS)

Programming with Visual Studio, Microsoft's integrated development environment (IDE), to create business applications that run the .Net framework and mobile operating systems.

Prerequisites: CMIS 130 Minimum Grade of C

CMIS 234 - Java Programming for Business - 3 (FS)

Application of business problem solving techniques, program design and development, and programming logic to create java programs.

Prerequisites: CMIS 130 Minimum Grade of C

CMIS 270 - Structured Systems Analysis - 3 (FS)

Structured tools and techniques as used in business systems analysis and design.

Prerequisites: CMIS 108 OR MIS 108 OR CS 108 OR CS 145

CMIS 300 - Web-Based Application Design - 3 (F)

Analysis, design and implementation of internet web-site home pages using current tools of hypertext markup languages, integrated software packages, and specialized web creation software.

Prerequisites: CMIS 130 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Computer Information Systems,Management Information Systems,Computer Management and Info Sys

CMIS 310 - Information Technology Hardware and Systems Software - 3 (FMS)

Principles and application of computer hardware and software from theoretical underpinnings to installation and configuration of systems. Hands-on and simulated exercises will be completed to emphasize a real world setting.

Prerequisites: CMIS 270 AND CMIS 130
Restrictions: Must be enrolled in one of the following Concentrations: Computer Information Systems,Cybersecurity,Management Information Systems,Computer Management and Info Sys

CMIS 330 - Machine Learning for Business - 3

Artificial Intelligence concepts and related machine learning models for business. Aspects of applied machine learning and the role of big data in enabling methods.

Attributes: EL, SS
Prerequisites: CMIS 130 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 342 - Information Systems for Business - 3 (FMS)

Information system principles applied to Business. Analysis of how computer-based information systems support operational, tactical, and planning decisions.

Prerequisites: ACCT 200 Minimum Grade of C AND CMIS 108 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

CMIS 350 - Database Design - 3 (FS)

Basic concepts/terminology of relational models with emphasis on current technology and business applications including SQL.

Prerequisites: CMIS 270 Minimum Grade of C AND (CMIS 130 Minimum Grade of C OR CS 145 Minimum Grade of C)
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 351 - SQL for Data Analytics - 3 (S)

An introduction to database structure concepts with emphasis on retrieval of data from databases using SQL for analytics.

Prerequisites: CMIS 130 Minimum Grade of C
Restrictions: May not be enrolled as one of the following Concentrations: Computer Information Systems

CMIS 352 - Intro to Big Data - 3 (F)

Intro to big data concepts as well as big data sources, characteristics, analysis techniques, and supporting technologies. No prior programming experience required.

Prerequisites: MS 251 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 422 - Information Security - 3 (FS)

Provides an introduction to the various technical and administrative aspects of Information Security and Assurance.

Prerequisites: CMIS 310 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 424 - Information Technology Audit and Controls - 3 (S)

Provides an overview of IT Audit and Controls including IT audit methods, methodologies, and procedures and how IT controls serve business needs.

Prerequisites: CMIS 310 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 426 - Ethical Hacking and Penetration Testing in Business - 3 (S)

Basic concepts and skills related to ethical hacking, penetration testing, and cybersecurity with emphasis on business environment.

Prerequisites: CMIS 310 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Cybersecurity, Must be enrolled in one of the following Colleges: School of Business

CMIS 427 - Introduction to Information Systems Security and Analytics - 3 (F)

Introduction to Information System (IS) or Information Technology (IT) security principles, practices, theory and the use of data and analytics for information security applications. Analytical tools used are Python and R.

Prerequisites: CMIS 130 Minimum Grade of C AND MS 251 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Concentrations: Cybersecurity,Data Analytics, Must be enrolled in one of the following Colleges: School of Business

CMIS 434 - Advanced Programming Projects - 3

Apply advanced programming skills in a business environment. Students will work in teams to develop an application based on given business requirements.

Prerequisites: CMIS 234 Minimum Grade of C OR CMIS 330 Minimum Grade of C.

CMIS 435 - Mobile Application Development - 3 (S)

Develop apps for mobile devices, including smart phones and tablets, on multiple platforms. Opportunity to develop your own ideas for real-world apps.

Prerequisites: CMIS 232 Minimum Grade of C OR CMIS 234 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

CMIS 451 - Data Visualization - 3 (S)

Introduction to concepts and methods related to data visualization, including hands-on experience with data visualization software to develop skills in

data cleansing, analysis, and visualization.

Prerequisites: MS 251 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Business Administration, Must be enrolled in one of the following Colleges: School of Business

CMIS 462 - Unix and Server Systems - 3 (S)

UNIX and Windows server operating systems to include scripting language plus server software installation and configuration.

Prerequisites: CMIS 310
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Computer Information Systems,Management Information Systems,Computer Management and Info Sys

CMIS 468 - Business Telecommunications - 3 (FMS)

Concepts and terminology dealing with data communication and distributed systems with emphasis on business applications.

Prerequisites: CMIS 310 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Computer Information Systems,Cybersecurity,Management Information Systems,Computer Management and Info Sys
Registration Consent: Instructor

CMIS 470 - Senior Systems Project - 3 (FS)

Senior Capstone course. Teams work with clients to plan, design, and implement a technology project. Senior research portfolio created. Not for Graduate Credit.

Prerequisites: (CMIS 350 OR CMIS 422) AND CMIS 310 AND CMIS 342 AND (CMIS 130 OR CMIS 232 OR CMIS 234) AND MGMT 330 AND MGMT 331 AND MKTG 300 AND (PROD 315 OR SCM 315)

CMIS 488 - Information Systems Internship - 3 (FMS)

Application of information systems knowledge in a structured work environment with a written report of the work experience. Not for graduate credit. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Computer Information Systems,Management Information Systems,Computer Management and Info Sys, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

CMIS 490 - Independent Study in Information Systems - 3 to 6 (FS)

Investigation of topical CMIS area resulting in deliverable unit. May be repeated to a maximum of 6 hours. Requires consent of department chair or program director.

Restrictions: Must be enrolled in one of the following Concentrations: Computer Information Systems,Management Information Systems
Registration Consent: Dept Chair-Program Director

CMIS 491 - Independent Study in Computer Information Systems - 1 to 3

Investigation of topical CIS area resulting in deliverable unit. May be repeated up to 6 hours. Requires faculty consent and CIS specialization.

Restrictions: Must be enrolled in one of the following Concentrations: Computer Information Systems
Registration Consent: Instructor

CMIS 492 - Independent Study in Cybersecurity - 1 to 3

Investigation of topical Cybersecurity area resulting in deliverable unit. May be repeated up to 6 hours. Requires faculty consent and Cybersecurity specialization.

Restrictions: Must be enrolled in one of the following Concentrations: Cybersecurity, Must be enrolled in one of the following Levels: Undergraduate, Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Instructor

CMIS 493 - Independent Study in Data Analytics - 1 to 3

Investigation of topical Data Analytics area resulting in deliverable unit. May be repeated up to 6 hours. Requires faculty consent and Data Analytics specialization.

Restrictions: Must be enrolled in one of the following Concentrations: Data Analytics, Must be enrolled in one of the following Levels: Undergraduate, Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Instructor

CMIS 495 - Seminar: Information Systems - 3 to 6 (FM)

Current issues related to business aspects of dealing with information systems. May be repeated to a maximum of 6 hours if topics differ.

CMIS 496 - Seminar: Topics in Computer Information Systems - 3

Current issues related to business aspects of dealing with Computer Information systems. Limited to students in CIS specialization. May be repeated to a maximum of 6 hours if topics differ.

Restrictions: Must be enrolled in one of the following Concentrations: Computer Information Systems

CMIS 497 - Seminar: Topics in Cybersecurity - 3

Restrictions: Must be enrolled in one of the following Concentrations: Cybersecurity, Must be enrolled in one of the following Colleges: School of Business

CMIS 498 - Seminar: Topics in Data Analytics - 3

Current issues related to business aspects of data analytics. Limited to students in the data analytics specialization. May be repeated to a maximum of 6 hours if topics differ.

Restrictions: Must be enrolled in one of the following Concentrations: Data Analytics, Must be enrolled in one of the following Colleges: School of Business

Construction (CNST)

CNST 111 - Civil Construction Materials and Methods - 3

Introduction to the materials and methods employed on civil construction projects, including equipment selection and planning, managing movement of bulk materials, dewatering, aggregate production, explosives in construction, ground improvement techniques, and paving.

Prerequisites: CNST 120 AND MATH 150 AND (CHEM 120A OR CHEM 121A)

CNST 120 - Introduction to Construction - 2 (FS)

Survey of construction industry; typical employment opportunities; history; and current development. Introduction to construction graphics and problem solving techniques.

CNST 153 - Computer Applications in Construction - 3 (FS)

Introduction to computer methods used in the construction industry. Computer aided drafting, spreadsheets, elementary computer programming, and web-based construction management.

CNST 199 - Construction Cooperative Education I - 0 (FMS)

Supervised work experience with agency, firm or organization which employs constructors. First work period of an academic/work experience program. Requires consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CNST 210 - Building Construction Materials & Methods - 3 (FS)

Introduction to construction materials and material properties, construction methods and equipment for handling, storing and installing.

Prerequisites: CHEM 120A (concurrency allowed) AND MATH 125 (concurrency allowed) OR MATH

150 (concurrency allowed)

CNST 231 - Plans and Specifications - 3

Reading and interpreting plans and specifications. Standard construction specifications and standard procedures. Take-off methods for estimating.

Prerequisites: CNST 120

CNST 241 - Statics & Mechanics of Solids - 4 (S)

Static equilibrium conditions for external and internal force and moment systems. Shear and bending moment diagrams. Elastic deformation and stresses in structural elements. Mohr's circle.

Prerequisites: PHYS 131 AND MATH 150

CNST 261 - Estimating I: Takeoffs - 3 (S)

Methods and procedures for estimating construction projects. Use of take-off quantities, productivity, and material costs.

Prerequisites: (CNST 153 OR CNST 353 Minimum Grade of C) AND (CNST 231 OR CNST 341 Minimum Grade of C)

CNST 271 - Graphics Communication/Introduction to BIM - 3 (S)

This course provides background to graphics communication within the construction field and provides a basis for working within the Building Information Modeling virtual environment.

Prerequisites: CNST 153 OR CNST 353 Minimum Grade of C

CNST 299 - Construction Cooperative Education II - 0 (FMS)

Supervised work experience with agency, firm, or organization which employs constructors. Second work period of an academic/work experience program. Prerequisite: Consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

CNST 301 - Soils - 2 (F)

Physical properties and behavior of soil as a construction material; construction methods and equipment in earthmoving; erosion and sedimentation control; and regulatory requirements.

Prerequisites: CNST 241. Corequisite(s): CNST 301L
Corequisites: CNST301L

CNST 301L - Soils Laboratory - 1 (F)

Laboratory and field experiments in soil classification and determination of engineering index properties. Interpretation of test results and geotechnical reports.

Prerequisites: Corequisite(s): CNST 301
Corequisites: CNST301

CNST 303 - Planning, Scheduling, and Project Management - 3 (F)

Planning and scheduling construction projects including resource and manpower allocation. CPM and PERT methods; progress reports; and records. Coursework to include project management decision-making aspects.

Prerequisites: (CNST 153 OR CNST 353 Minimum Grade of C) AND (CNST 231 OR CNST 341 Minimum Grade of C)

CNST 321 - Electrical Systems - 3 (S)

Basic electrical theory; electrical systems and distribution for facilities and during construction, safety, wiring and energy consumption.

Prerequisites: PHYS 131

CNST 332 - Mechanical Systems - 3 (F)

Mechanical heating, air conditioning, and ventilation systems. Requirements during construction; and construction installation for completed facility.

Prerequisites: CNST 210 AND PHYS 131

CNST 351 - Analysis, Design and Construction in Structural Systems - 3 (F)

Load paths in typical structural configurations, approximate stress analysis of structures, and

concrete formwork design. Analysis, design and construction of wood, concrete, steel, masonry and composite structures.

Prerequisites: CNST 210 AND CNST 241

CNST 361 - Estimating II: Labor, Resource Leveling, and Bidding - 3 (S)

Prerequisites: CNST 261 Minimum Grade of C AND (CNST 303 OR CNST 403 Minimum Grade of C)

CNST 371 - Sustainable Building - 3

Study of the principles of environmentally sustainable construction with the application of green buildings and standard construction techniques and mechanical systems. Included is the Green Building Rating System LEED (Leadership in Energy and Environmental Design) for benchmarking the design, construction, and operation of high performance green buildings.

Attributes: BLS

CNST 399 - Construction Cooperative Education III - 0 (FMS)

Supervised work experience with agency, firm, or organization which employs constructors. Third work period of an academic/work experience program. Requires consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Instructor

CNST 411 - Construction Contracts - 3 (S)

Legal aspects of contracts and bidding; types of construction contracts and documents including bonds; and OSHA, local, state, federal regulations. Not for Graduate credit.

Prerequisites: CNST 341 OR CNST 231

CNST 415 - Land Development - 3 (S)

A study of the land development process and the roles of local government, design consultants, developers and contractors in residential development. Subdivision design and construction.

Prerequisites: CNST 341 or CNST 231
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior

CNST 425 - Heavy Civil Construction - 3 (F)

Methods and procedures for estimating, planning and constructing road and bridge projects.

Prerequisites: CNST 211 Minimum Grade of C OR CNST 111 Minimum Grade of C

CNST 432 - Design-Build Process - 3 (F)

Introduction to design-build project delivery system. Emphasis on design of buildings, conceptual estimating, scheduling, negotiated contracts, and professional presentations.

Prerequisites: CNST 341 OR (CNST 261 AND CNST 303)

CNST 452 - Construction Management and Senior Assessment - 4 (S)

Professional aspects of construction management. Management techniques, quality control, safety, time and cost management. Senior assessment project. Not for graduate credit.

Prerequisites: (CNST 403 AND CNST 451) OR (CNST 361 (concurrency allowed) AND CNST 371 (concurrency allowed) AND FIN 320)

CNST 461 - Materials Sampling and Testing - 3 (S)

Procedures and methods for developing and evaluating sampling and testing programs for construction. Individual projects required. Available for Graduate Credit.

Prerequisites: STAT 244
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Construction Management, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CNST 463 - Concrete Properties - 3 (F)

Concrete construction techniques are analyzed.

Emphasis will be on how fundamental properties are used to make project decisions. Individual projects required.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

CNST 470 - Construction Internship - 3 (FMS)

Acquisition of hands-on experience in the management of a typical construction project. The jobsite becomes the classroom. Not for Graduate Credit. Requires completion of stated prerequisites and OSHA-30 certificate.

Attributes: EH
Prerequisites: CNST 341 with minimum grade of C or CNST 231 with minimum grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student
Registration Consent: Instructor

CNST 481 - Construction Information Systems - 3 (F)

Through this course, students will learn the ins and outs of modeling in Revit. Students will learn how to model the architectural, structural, and mechanical components of buildings. Moreover, they will learn how to use BIM360 throughout the construction lifecycle through a group project. The developed models will be used for quantification and simulation.

Prerequisites: CNST 271 Minimum Grade of C

CNST 483 - Advanced Construction Information Systems - 3 (S)

Students will develop an understanding of how advanced construction technologies can be used in construction management to improve the performance and productivity of the construction process. A basic understanding of modern automation techniques and applications within the construction industry will be established.

Prerequisites: CNST 481 Minimum Grade of C

CNST 485 - Construction Risk Management & Predictive Analytics - 3 (S)

This course will help students gain insight into the types and sources of risk, techniques for managing risk, the basics of insurance and bonding and how quality control/quality assurance plans help mitigate performance risk. The class will also show the students how to predict project costs and durations using statistics and Monte-Carlo-based modeling.

Prerequisites: CNST 361 Minimum Grade of C

CNST 495 - Topics in Construction - 2 to 9

Selected topics of special interest in construction. May be repeated to a maximum of 9 hours provided no topic is repeated. Not for Graduate Credit.

Prerequisites: CNST 341 OR CNST 231
Restrictions: May not be enrolled as the following Classifications: Freshman; Junior; Sophomore

Community-Orient Digital Engmt (CODE)

CODE 120 - Research Team I - 3 (F)

Introduces pathway; students learn study skills, practice variable writing modes, develop a schedule of readings and activities, and meet their community partners.

Prerequisites: Corequisite(s): CODE121
Corequisites: CODE121
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 121 - Transdisciplinary Communication - 0 or 3 (F)

Students learn about transdisciplinary approaches and systems thinking as they present their work publicly and write in a variety of genres for multiple formats.

Attributes: FRSM
Prerequisites: Corequisite(s): CODE120
Corequisites: CODE120
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 122 - Research Team II - 3 (S)

Students design a research plan as they collect, manage, and analyze data, interview community stakeholders, create digital stories, and contextualize their findings.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 123 - Research and Systems Thinking - 3 (S)

Introduces students to designing an ethical research plan and collecting quantitative and qualitative data across disciplines to solve a problem.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C Corequisite(s): CODE122.
Corequisites: CODE122
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 220 - Community Engagement with Science - 3 (F)

Introduces scientific methods as a means of gathering evidence and make informed decisions about scientific topics as they relate to research problems.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C AND CODE 122 Minimum Grade of C AND CODE 123 Minimum Grade of C.
Registration Consent: Advisor

CODE 221 - Research Team III - 3

Introduces community-based participatory research; students work on-site with community partner to conduct surveys, interviews, and experiments.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C AND CODE 122 Minimum Grade of C AND CODE 123 Minimum Grade of C AND CODE 220 Minimum Grade of C.
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 320 - CODES Capstone - 3 (S)

Students complete a public-facing digital project to polish, reflect upon, and share their work in CODES. Outcomes incorporate creative non-fiction, graphic design, and data visualization.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C AND CODE 122 Minimum Grade of C AND CODE 123 Minimum Grade of C AND CODE 220 Minimum Grade of C AND CODE 221 Minimum Grade of C.
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

CODE 420 - Career and Community Connections - 1 (F)

Discusses how the CODES pathway relates to plans for continuing study and careers; students complete resumes, graduate school applications, and portfolios.

Prerequisites: CODE 120 Minimum Grade of C AND CODE 121 Minimum Grade of C AND CODE 122 Minimum Grade of C AND CODE 123 Minimum Grade of C AND CODE 220 Minimum Grade of C AND CODE 221 Minimum Grade of C AND CODE 320 Minimum Grade of C.
Restrictions: Must be assigned one of the following Student Attributes: CODE Scholar
Registration Consent: Advisor

Computer Science (CS)

CS 108 - Applied Computer Concept - 3 (FMS)

Computer skills course which assumes no prior experience with computers. Introduces computer concepts and word processing; spreadsheets and database software; and examines societal issues. Graduation credit may be earned for CS 108 or CMIS 108; but not for both.

Attributes: BICS

CS 111 - Concepts of Computer Science - 3 (FMS)

Broad view of computer science: hardware; operating systems; software design and development; algorithms; networks; and applications.

Attributes: BICS

CS 140 - Introduction to Computing I - 3 (FMS)

Programming course that assumes basic computer literacy. Introduces a high-level programming language and basic problem solving. IAI Course CS 911.

Attributes: ICS
Prerequisites: MATH 120 Minimum Grade of C OR MATH 120E Minimum Grade of C OR MATH 120I Minimum Grade of C OR MATH 125 Minimum Grade of C OR MATH 145 Minimum Grade of C OR MATH 150 Minimum Grade of C

CS 145 - Introduction to Computing for Engineers - 3 (FMS)

Introduces C++ programming and basic problem solving. Focuses on computer applications in engineering, science and numeric methods. Prerequisite: Basic computer literacy.

Prerequisites: MATH 150 Minimum Grade of C

CS 150 - Introduction to Computing II - 3 (FMS)

Algorithmic problem solving with a modern programming language. Language syntax; basic design methods; algorithms; and abstraction. IAI Course CS 912.

Attributes: ICS
Prerequisites: CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C

CS 198 - Computer Science Work Experience I - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. For students with part time cooperative jobs. Limited to students enrolled in more than 6 hours.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CS 199 - CS Cooperative Ed Exp I - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. First work period of 5-year academic/work experience program.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

CS 234 - Database and Web System Development - 3 (FS)

An introduction to multi-tier software systems and database programming and their application to web-based information storage and retrieval systems.

Prerequisites: CS 111 Minimum Grade of C AND CS 150 Minimum Grade of C

CS 240 - Introduction to Computing III - 3 (FMS)

Basic software engineering concepts, elementary data structures and algorithms, fundamentals of object-oriented programming.

Prerequisites: CS 150 Minimum Grade of C

CS 286 - Introduction to Computer Organization and Architecture - 3 (FS)

Processor, memory, I/O structure of computer systems, data representations, instruction set architecture of typical processor as hardware/software interface, processor implementation, performance evaluation methods.

Prerequisites: CS 150 Minimum Grade of C

CS 298 - Computer Science Work Experience II - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. For students with part-time cooperative jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Computer Science, Must be enrolled in one of the following Classifications: Junior; Sophomore, Must be enrolled in one of the

following Levels: Undergraduate
Registration Consent: Instructor

CS 299 - Computer Science Cooperative Education Experience II - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. Second work period of 5-year academic/work experience program.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Senior with Degree; Senior
Registration Consent: Instructor

CS 314 - Operating Systems - 3 (FMS)

Processes, threads, and synchronization; I/O and memory management at the hardware and OS levels; file systems; and implementation of basic OS abstractions, concurrent programming.

Prerequisites: CS 286 Minimum Grade of C

CS 321 - Human-Computer Interaction Design - 3 (FS)

Design of interactions between people and computers. Interface design, conceptual models, design methods, software evaluation and ethical concerns. Software design project.

Prerequisites: CS 234 Minimum Grade of C AND (STAT 244 Minimum Grade of C OR STAT 380 Minimum Grade of C)

CS 325 - Software Engineering - 3 (FS)

Introduction to the concepts and techniques required to develop complex software systems and manage software projects. Emphasis on object-oriented methodologies and modeling via UML.

Prerequisites: CS 150 Minimum Grade of C AND CS 234 Minimum Grade of C

CS 330 - Programming Languages - 3 (FS)

Design, appropriateness and linguistics issues associated with different programming languages and programming paradigms. Covers syntax and semantics of languages, including BNF Notation.

Prerequisites: CS 286 Minimum Grade of C

CS 340 - Algorithms and Data Structures - 3 (FS)

Considers appropriate choice of data structures, comparisons of algorithms, recursive algorithms, complexity, and introduction to parallel algorithms.

Prerequisites: CS 150 Minimum Grade of C AND MATH 224 Minimum Grade of C AND MATH 150 Minimum Grade of C

CS 360 - Ethical and Social Implications of Computing - 3 (FMS)

An introduction to the social, ethical, legal, and professional contexts in which software systems are developed and utilized.

Restrictions: Must be enrolled in one of the following Majors: Computer Science, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

CS 382 - Game Design, Development, and Technology - 3 (S)

Introduction to the entire process of game development, including history, social impact, design, programming, software engineering, math, physics, graphics, animation, audio, AI, and hardware.

Prerequisites: CS 150 Minimum Grade of C

CS 390 - Topics in Computer Science - 3

Selected topics in computer science. May be repeated to a maximum of 6 hours for different topics.

Registration Consent: Instructor

CS 398 - Computer Science Work Experience III - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. For students with part-time cooperative jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: Must be enrolled in one of the

following Majors: Computer Science, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

CS 399 - Computer Science Cooperative Education Experience III - 0 (FMS)

Supervised work experience with agency employing computer scientists or information specialists. Third work period of 5-year academic/work experience program.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Computer Science, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior, Must be enrolled in one of the following Levels: Undergraduate
Registration Consent: Instructor

CS 423 - Compiler Construction - 3

Translation of programming languages. Emphasis on techniques used in construction of compilers, including lexical analysis, syntactical analysis, type checking, and code generation.

Prerequisites: CS 330 Minimum Grade of C

CS 425 - Senior Project: Software Design - 3 (FS)

First part of a two-semester sequence in which teams complete the design and planning stages of a software development project. Selected topics in software development, group dynamics, and project management. Not for Graduate credit.

Prerequisites: CS 340 Minimum Grade of C AND CS 314 Minimum Grade of C AND CS 325 Minimum Grade of C AND CS 360 Minimum Grade of C

CS 434 - Database Management Systems - 3 (M)

Database management system concepts, models, languages. Entity/relationship, relational and object-oriented data models; relational database design and implementation including SQL; and object databases.

CS 438 - Artificial Intelligence - 3 (FS)

Principles and programming techniques of artificial intelligence. Intelligent agents, heuristic programming, knowledge representation, expert systems, and machine learning.

Prerequisites: CS 340 Minimum Grade of C; or Graduate Standing (GM)

CS 447 - Networks and Data Communications - 3 (FMS)

Concepts of networks and data communications. Networking protocols and architecture; data encoding and transmission; network management; and distributed applications.

Prerequisites: CS 286 Minimum Grade of C and CS 340 Minimum Grade of C and CS 314 Minimum Grade of C; or Graduate Standing (GM)

CS 454 - Theory of Computation - 3 (FS)

Theoretical foundations of computer science, including a theory of automata: pushdown automata, Turing machines; and formal languages.

Prerequisites: CS 330 Minimum Grade of C and MATH 224 Minimum Grade of C; or Graduate Standing (GM)

CS 456 - Design and Analysis of Algorithms - 3 (FS)

Algorithmic design strategies; Runtime analysis; Greedy; Divide-and-Conquer; Dynamic Programming; Network Flow; Algorithmic Intractability; P vs. NP vs. NP-Complete; Reduction Theory

Prerequisites: CS 340 Minimum Grade of C; or Graduate Standing (GM)

CS 463 - Cryptography - 3

Introduction to cryptology, cryptographic primitives, authentication, authorization, and access control, security models, cryptographic protocols, key management and establishment, applications.

Prerequisites: MATH 224 Minimum Grade of C AND CS 447 Minimum Grade of C

CS 476 - Bioinformatics Algorithms - 3 (F)

This course concerns algorithms for bioinformatics problems arising from comparative genomics. Fundamental topics are pairwise sequence alignment, phylogenetic tree construction, and multiple sequence alignment.

Prerequisites: CS 340 Minimum Grade of C; or Graduate Standing (GM)

CS 482 - Computer Graphics - 3

Introduction to2D and 3D graphics, graphics hardware, scan conversion, anti-aliasing, hidden components, transformations, projections, ray tracing, curve and surface modeling, and animation.

Prerequisites: CS 286 Minimum Grade of C AND MATH 152 Minimum Grade of C AND CS 150 Minimum Grade of C

CS 490 - Topics in Computer Science - 3 (FS)

Selected topics in computer science. May be repeated to a maximum of 6 hours for different topics.

CS 495 - Independent Study - 3 (FMS)

Reading and research in specific areas of computer science. May be repeated for a maximum of 6 hours. Requires consent of department chair or program director.

Registration Consent: Instructor and Dept Chair

CS 499 - Senior Project: Software Implementation - 3 (FS)

Second part of a two-semester sequence in which teams implement, test, and deploy software development project that was planned and designed in CS 425. Includes a formal presentation to the computer science faculty.

Prerequisites: CS 425 Minimum Grade of C

Cybersecurity Engineering (CYE)

CYE 163 - Introduction to Cybersecurity Engineering - 3 (S)

Foundational crosscutting concepts in Cybersecurity: Confidentiality, Integrity, Availability. Basic cryptography and cryptosystems, attack classification, secure design principles, applications, and practice. Introduction to systems engineering.

Prerequisites: CS 140 Minimum Grade of C.

CYE 263 - Defensive Programming - 3

Introduction to secure programming, common errors in software and system development, social engineering, vulnerability mitigating techniques, defensive programming techniques.

Prerequisites: CS 150 Minimum Grade of C AND CYE 163 Minimum Grade of C.

CYE 331 - Detective Cybersecurity Engineering (Reverse Engineering and Forensics) - 3

Software and hardware reverse engineering, fuzzing, digital/hardware forensics, forensic investigations, malware analysis and detection (e.g. viruses, worms, spyware, botnets, etc.), incident response and case study analysis.

Prerequisites: CYE 163 Minimum Grade of C AND CS 314 Minimum Grade of C.

CYE 349 - Network Cybersecurity Engineering - 3

Penetration testing, ethical hacking, responsible disclosure, defensive mechanisms and countermeasures (e.g intrusion detection/prevention, network and system monitoring, VPN, etc.), applied cryptography in network communication, protocol analysis, network-born threats, attacks, and detection.

Prerequisites: CYE 163 Minimum Grade of C AND CS 447 Minimum Grade of C.

CYE 373 - Cryptography - 3

Introduction to cryptology, cryptographic primitives, authentication, authorization, and access control, security models, cryptographic protocols, key management and establishment, applications.

Prerequisites: CYE 163 Minimum Grade of C.

CYE 383 - Platform Cybersecurity Engineering -

3

Secure boot, measured boot, and root of trust, trusted platform modules, secure co-processors, hardware-born attacks, detection, case studies, and mitigation, secure communication through wireless and low-level protocols (CAN, I2C, SPI, Bluetooth, etc.), layer-3 and below security.

Prerequisites: CYE 163 Minimum Grade of C AND ECE 351 Minimum Grade of C AND ECE 381 Minimum Grade of C.

CYE 449 - Capstone Project I: Design and Prototype - 3

First part of a two-semester sequence in which teams complete the design and planning stages of a cybersecurity system development project. Group dynamics, project management, ethical and professional responsibilities in cybersecurity minded designs. Not for graduate credit.

Prerequisites: CYE 331 Minimum Grade of C AND CYE 373 Minimum Grade of C AND CYE 349 Minimum Grade of C (concurrency allowed) AND CYE 383 Minimum Grade of C.

CYE 499 - Capstone Project II: Implementation - 3

Prerequisites: CYE 449 Minimum Grade of C.

Dance (DANC)

DANC 111 - Dance Appreciation - 3 (FMS)

Introductory course to give the student an understanding of how essential components of movement study come together to produce an aesthetic dance experience.

Attributes: BFPA

DANC 114 - Movement Fundamentals - 3 (FS)

Movement course: Introduction to dance technique, theory, and anatomy. May be repeated to a maximum of 9 hours.

Attributes: BFPA, EH

DANC 210A - Modern and Contemporary Dance I - 2 (F)

Movement course: Modern dance theories and techniques. Modern dance theories and techniques. May be repeated to a maximum of 6 hours.

Attributes: EH, FPA

DANC 210B - Modern and Contemporary Dance I - 2 (S)

Modern dance theories and techniques. Repeatable to 6 hours.

Attributes: EH, FPA

DANC 211A - Ballet Technique I - 2 (F)

Technique class. Fundamentals of classical ballet through Barre and Center exercises.

Attributes: EH, FPA

DANC 211B - Ballet Technique I - 2 (S)

Technique class. Fundamentals of classical ballet through Barre and Center exercises.

Attributes: EH, FPA

DANC 212A - Jazz Dance - 1 (S)

Technique class. Exploring jazz techniques and performance style. May be repeated to a maximum of 4 hours.

Attributes: EH, FPA

DANC 212B - Advanced Jazz Dance - 1

Technique class. Exploring jazz techniques and performance style. May be repeated to a maximum of 4 hours.

Attributes: EH, FPA

DANC 213 - Beginning Tap Dance - 1 (aS)

Basic tap steps and vocabulary. Tap choreography. May be repeated to a maximum of 3 hours.

Attributes: FPA

DANC 214 - Dance Improvisation - 1

Developing skills in perception and rapid translation

of ideas into dance. May be repeated to a maximum of 4 hours.

Attributes: EH, FPA

DANC 222 - Dance Management - 3

Executive and management responsibilities and strategies for professional dance artists and dance businesses.

DANC 240 - History of Dance - 3 (aF)

Development of dance prior to and during the 20th century. Not for Graduate Credit.

Attributes: FPA

DANC 250 - University Dance Company - 1 to 2 (FS)

Dance repertory and performance class. Emphasis on technical and choreographic skills for performance. Admission by audition only. May be repeated to a maximum of 9 hours.

Attributes: FPA
Registration Consent: Instructor

DANC 260 - Performance/Choreography - 1 to 2 (F)

Performing in and/or choreographing for regular scheduled dance concerts. Rehearsal time is required. Admission by audition only. May be repeated for a maximum of 4 hours provided that no topic is repeated. Requires consent of instructor.

Attributes: FPA
Registration Consent: Instructor

DANC 310A - Modern and Contemporary Dance II - 2 (F)

Movement course: Techniques designed for strength, flexibility, coordination. May be repeated to a maximum of 6 hours.

Attributes: EH, FPA

DANC 310B - Modern and Contemporary Dance III - 2 (S)

Movement course: Techniques designed for strength, flexibility, coordination. May be repeated to a maximum of 6 hours.

Attributes: EH, FPA

DANC 311A - Ballet Technique II - 2 (FS)

Additional ballet vocabulary through Barre and Center work of increased difficulty. May be repeated to a maximum of 6 hours.

Attributes: FPA

DANC 311B - Intermediate Ballet Techniques - 2 (FS)

Additional ballet vocabulary through barre and center work of increased difficulty. May be repeated to a maximum of 6 hours.

Attributes: FPA

DANC 314 - Broadway Dance Styles - 1 (aF)

Movement course: Exploration of various dance styles used in Boradway musicals. Course will use techniques in the jazz, ballet, and modern genres.

Attributes: BFPA, EH

DANC 399 - Special Topics in Dance - 1 to 3

Varied Content. Topics related to Dance. May be repeated up to 9 hours as long as no topic is repeated.

Attributes: FPA

DANC 410A - Modern and Contemporary Dance IV - 2 (F)

Movement course: Theory and technique. Developing advanced skills in dance movement. Preparing kinetic and artistic abilities for performance. Not for graduate credit. May be taken up to 8 credits.

Attributes: FPA

DANC 410B - Modern and Contemporary Dance IV - 2 (S)

Movement course: Theory and technique. Developing advanced skills in dance movement. Preparing kinetic and artistic abilities for

performance. Not for graduate credit. May be taken up to 8 credits.

Attributes: FPA

DANC 411A - Advanced Ballet - 2 (F)

Mastery of ballet vocabulary through advanced barre and center floor work. Not for graduate credit. May be repeated to a maximum of 8 hours.

Attributes: FPA

DANC 411B - Advanced Ballet - 2 (S)

Mastery of ballet vocabulary through advanced barre and center floor work. Not for graduate credit. May be repeated for a maximum of 8 hours.

Attributes: FPA

DANC 420A - Dance Composition I - 2 (aF)

Movement studies for solo figure based on exploration of fundamental ingredients of dance and how to organize them into compositional forms.

Attributes: FPA

DANC 420B - Dance Composition II - 2

In-depth development of movement themes for duet, trio, and larger groups. Not for graduate credit.

Attributes: FPA
Prerequisites: DANC 420A.

DANC 430 - Dance Kinesiology - 2

Detailed study of the muscular system as it relates to dance technique, alignment, and injury prevention.

Attributes: LS

DANC 433 - Dance Pedagogy and Methodology - 2

Principles and methodologies of dance instruction. Not for graduate credit.

Attributes: FPA
Prerequisites: DANC 214
Registration Consent: Instructor

DANC 460 - Performance/Choreography - 1 to 2 (FaS)

Credit given for performing in and/or choreographing for regular scheduled dance concerts. Rehearsal time is required. Admission by audition only. May be repeated for a maximum of 4 hours provided no topic is repeated. Not for graduate credit. Must have completed all Theater and Dance core courses. This restriction does not apply to non-theater and Dance majors or minors.

Attributes: FPA
Registration Consent: Instructor

DANC 470 - Independent Study in Dance - 1 to 2 (FS)

Supervised study for upper level students in dance, choreography or performance. May be repeated to a maximum of 8 hours. NOT FOR GRADUATE CREDIT. Prerequisite: consent of instructor.

Attributes: FPA
Registration Consent: Instructor

DANC 499 - Senior Assessment in Dance - 3 (S)

Individual/group projects demonstrating proficiency in dance and general education skills and knowledge. Not for graduate credit.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Theater and Dance, Must be enrolled in one of the following Classifications: Senior with Degree; Senior, May not be enrolled as the following Levels: Graduate
Registration Consent: Instructor

Electrical & Comp. Engineering (ECE)

ECE 145 - Introduction to Computer Programming - 3

Specification, design, implementation, testing, debugging, applications in numerical analysis and computer simulations. Control structures, functions, arrays and other data types. Programming in C, Python, and Matlab.

Attributes: BICS
Prerequisites: MATH 120 Minimum Grade of C OR

MATH 120E Minimum Grade of C.

ECE 198 - Electrical and Computer Engineering Work Experience I - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours. Student must be a declared major in electrical and computer engineering.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

ECE 199 - Electrical and Computer Engineering Cooperative Education I - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. First work period of five year academic/work experience program. Requires consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Advisor

ECE 210 - Circuit Analysis I - 0 to 3 (FMS)

DC and AC steady-state circuit analysis. Loop and nodal analysis; network theorems; phasors; complex power; and single-phase and three-phase circuits. IAI Course EGR 931.

Attributes: IEGR
Prerequisites: MATH 150 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 211 - Circuit Analysis II - 0 to 4 (FMS)

Time-domain transient analysis; complex frequency; frequency response; two-port networks; Laplace transform techniques; and impulse response and convolution. Three hours lecture and one laboratory session per week.

Prerequisites: ECE 210 Minimum Grade of C AND MATH 250 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 282 - Digital Systems Design - 0 to 4 (FMS)

Concepts and design of digital and computer circuitry; binary number systems; study of combinational and sequential logic circuits; introduction to Verilog HDL. Laboratory exercises involve circuit implementation and HDL programming.

Attributes: IEGR
Prerequisites: CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 298 - Electrical and Computer Engineering Work Experience II - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

ECE 299 - ECE Cooperative Education II - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Second work period of five year academic/work experience program. Requires consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Advisor

ECE 326 - Electronic Circuits I - 0 to 4 (FS)

Introduction to semiconductors; diode, transistor and FET; small and large signal analysis; and logic gate families and design. Three hours lecture and one laboratory session per week. Student must be a declared major in an engineering discipline.

Prerequisites: ECE 211 Minimum Grade of C AND MATH 305 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 340 - Electromagnetics - 0 to 3 (FS)

Introduction to engineering electromagnetics. Includes vector analysis, time-harmonic fields, electromagnetic wave propagation, transmission lines, waveguides, antennas.

Prerequisites: (PHYS 142 Minimum Grade of C OR PHYS 152 Minimum Grade of C) AND PHYS 152L Minimum Grade of C AND ECE 211 Minimum Grade of C AND MATH 305 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 341 - Princ w/Electro Mec Enrg Conv - 0 to 4 (FS)

Basic electromagnetic concepts; energy-based torque and force and calculations; transformers; induction machines; synchronous machines; and DC machines. Three hours lecture and one laboratory session per week.

Prerequisites: ECE 340 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 351 - Signals and Systems - 3 (FMS)

Basics of continuous and discrete signals and systems. Convolution; Fourier analysis; filtering; modulation and sampling; and Z-transforms. Student must be a declared major in an engineering discipline.

Prerequisites: ECE 211 Minimum Grade of C AND MATH 305 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Electrical Engineering, Must be enrolled in one of the following Colleges: School of Engineering

ECE 352 - Probability and Statistics - 3 (FS)

Probability; random variables and probability distributions; statistics; Monte-Carlo simulations; estimation theory; decision theory; hypothesis testing; random processes; and linear system response to random processes.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 365 - Control Systems - 3 (FS)

Mechanical and electrical systems modeling, signal flow graphs, state variable approach, root-locus approach, Bode ploys/Nyquist plots, frequency domain design and Proportional-Integral-Derivative (PID) controller turning methods.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 375 - Introduction to Communications - 3 (FMS)

Time- and frequency-domain analysis; and bandwidth, distortion, and noise. Baseband pulse transmission; sampling; pulse shaping. Digital and analog modulation techniques. Analysis of bit-error probability.

Prerequisites: ECE 351 Minimum Grade of C AND ECE 352 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 381 - Microcontrollers - 3 (FS)

Interfacing and programming microcontrollers to measure/control various hardware and signals, GPIO, LCD, ISRs, encoders, UART/RS-232, I2C, SPI, ADC/DAC. Three hours lecture and one laboratory session per week.

Prerequisites: ECE 282 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 398 - Electrical and Computer Engineering Work Experience III - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

ECE 399 - ECE Cooperative Education III - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Third work period of five year academic/work experience program. Requires consent of advisor.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Advisor

ECE 404 - Electrical and Computer Engineering Design - 3 (FS)

Design overview, methodologies, considerations, constraints, scheduling, and management. Focus on both oral and written communication. Students work in teams while rotating leadership responsibilities.

Prerequisites: ECE 282 Minimum Grade of C AND ECE 351 Minimum Grade of C AND (ECE 365 Minimum Grade of C OR ECE 375 Minimum Grade of C OR ECE 381 Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Colleges: School of Engineering

ECE 405 - Electrical and Computer Engineering Design Laboratory - 3 (FS)

Realization of a term-based senior project, including construction, computer simulation, debug, and test as required by the project to obtain a functional prototype.

Prerequisites: ECE 404 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 426 - High Frequency Design - 3 (F)

High frequency circuit design with elements of RF engineering. Amplifiers, oscillators, modulators, impedance matching, switching, signal integrity, and tuning.

Prerequisites: ECE 326 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 427 - Knowledge-Based Systems - 3 (M)

Engineering-oriented perspective on artificial intelligence (AI) technology. General AI concepts and specifically knowledge-based intelligent systems and machine learning applied to engineering problem-solving.

Prerequisites: CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C.

ECE 428 - Analog Filter Design - 3 (F)

Active and passive filter synthesis. Standard low-pass approximations: Butterworth, Chebyshev, Inverse Chebyshev, Cauer, Bessel and frequency transformations. Active and passive circuit implementations.

Prerequisites: ECE 351 Minimum Grade of C AND ECE 326 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 429 - Bioinstrumentation - 3

Design and use of biosignal sensors, bioamplifiers, and filters for measuring physiological data; emphasizes origins and characteristics of nerve and heart signals; includes cell analysis and dialysis machine design.

Prerequisites: ECE 327 Minimum Grade of C or admission to graduate Engineering Program (GM).
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 436 - Digital Signal Processing - 3 (FS)

Discrete-time signals and systems; sampling; z-transforms; discrete Fourier transform; difference equations; design and implementation of digital filters; and DSP development systems.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 437 - Medical Imaging Systems - 3

Basic signals and systems, imaging principles, and image quality measures for X-ray radiography, X-ray computed tomography, ultrasound, and magnetic resonance imaging.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 438 - Image Analysis and Computer Vision - 3 (F)

Image formation, geometrical and topological properties of binary images; image filtering; boundary detection; image segmentation; and pattern recognition. Two hours lecture and one laboratory session per week.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 439 - Digital Image Processing - 3 (S)

Fundamentals of human perception; sampling and quantization; image transforms; enhancement; and restoration and coding. Two hours lecture and one laboratory session per week.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 444 - Power Electronics - 3 (S)

Basics of DC/DC and DC/AC conversion, inductors, transformers, switching characteristics of semiconductor devices, elements of electromagnetic compatibility.

Prerequisites: ECE 326 Minimum Grade of C or admission to graduate Engineering Program.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 445 - Power Distribution System - 3 (S)

Distribution system planning; load characteristics; application of distribution transformers; design of distribution system; voltage-drop and power-loss calculations; voltage regulation; and protection and reliability.

Prerequisites: ECE 341 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 446 - Power System Analysis - 3 (M)

Synchronous machines; power transformers; transmission lines; system modeling; load-flow study; economic operation of power systems; symmetrical components; symmetrical and unsymmetrical faults; and power system stability.

Prerequisites: ECE 341 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 447 - Radar Systems - 3 (S)

Introduction to radar systems, including antenna fundamentals, radar equation, radar signals and systems, CW radar, FM-CW Radar, pulse radar, and tracking radar.

Prerequisites: ECE 340 Minimum Grade of C AND ECE 351 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 455 - System Modeling & Optimization - 3

Mathematical modeling of engineering systems; dynamic response of electrical and mechanical systems; and optimization models in electrical engineering.

Prerequisites: ECE 351 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the

following Colleges: School of Engineering

ECE 465 - Control Systems Design - 3 (F)

Root-locus analysis; frequency-response analysis; design and compensation technique; describing-function analysis of nonlinear control systems; and analysis and design by state-space methods.

Prerequisites: ECE 365 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 466 - Digital Control - 3

Topics include finite difference equations; Z-transforms and state variable representation; analysis and synthesis of linear sampled-data control systems using classical and modern control theory. Same as ME 466.

Prerequisites: ME 450 Minimum Grade of C OR ECE 365 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 467 - Robotics-Dynamics and Control - 3 (F)

(Same as ME 454 and MRE 454) Robotics; robot kinematics and inverse kinematics; trajectory planning; differential motion and virtual work principle; and dynamics and control.

Restrictions: Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

ECE 476 - Electronic Circuits II - 3 (S)

Small signal analysis, transistor amplifier design, frequency response, feedback system analysis, output stage design, signal generation and waveform shaping circuits. Three hour lecture and one hour laboratory session per week.

Prerequisites: ECE 326 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 477 - Network Engineering - 3 (FS)

Principles and practices of network engineering with particular emphasis on the physical, data-link, and network layers as applied to telecommunication and computing systems.

Prerequisites: ECE 282 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 482 - Microprocessor System - 0 to 3 (F)

Design of microprocessor systems using VLSI building blocks. Several microprocessors and peripheral ICS studied laboratory experiments with microprocessor systems using logic analyzers. Three hours lecture and one laboratory session per week.

Prerequisites: ECE 282 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 483 - Advanced Digital Systems Engineering - 0 to 3 (MS)

Design of digital systems using a hardware description language, and logic synthesis tools. To master advanced logic design concepts, logic optimization, including the design of synchronous combinational and sequential circuits using state of the art CAD tools.

Prerequisites: ECE 282 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 484 - Digital VLSI Design - 3 (F)

Discussion of CMOS circuits, MOS transistor theory, CMOS processing technology, circuit characterization, and CMOS Circuit and Logic Design.

Prerequisites: ECE 326 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

ECE 491 - Independent Study - 1 to 4 (FMS)

Individual investigation of a topic in electrical engineering to be agreed upon with the instructor. May be repeated to a maximum of 6 hours provided no topic is repeated. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Computer Engineering,Computer Engineering,Electrical Engineering
Registration Consent: Instructor

ECE 492 - Topics in Electrical and Computer Engineering - 2 to 6 (FMS)

Selected topics of special interest. Course schedule will include name of topic. May be repeated to a maximum of 6 hours so long as no topic is repeated. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

Economics (ECON)

ECON 111 - Principles of Macroeconomics - 3 (FMS)

Measurement and determination of national economic activity including production, income, employment, and prices. Role of government policy in U.S. macroeconomy. IAI Course S3 901.

Attributes: BSS, IASS
Prerequisites: SAT Math Section Score 530 OR ACT Math 22 OR (ACCUPLACER Adv Algebra-Fnctns 200 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 46 OR MATH 116 C or better OR MATH 120 C or better OR MATH 120E C or better OR MATH 120I C or better OR MATH 125 C or better OR MATH 145 C or better OR MATH 150 C or better OR AD 070 C or better OR AD 095 C or better OR QR 101 C or better

ECON 112 - Principles of Microeconomics - 3 (FMS)

Principles and characteristics of the market economy including: supply, demand, and market equilibrium; household demand, firm cost and supply; market structure, government regulation and deregulation; and factor markets. IAI Course S3 902.

Attributes: BSS, IASS
Prerequisites: SAT Math Section Score 530 OR ACT Math 22 OR (ACCUPLACER Adv Algebra-Fnctns 200 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 46 OR MATH 116 C or better OR MATH 120 C or better OR MATH 120E C or better OR MATH 120I C or better OR MATH 125 C or better OR MATH 145 C or better OR MATH 150 C or better OR AD 070 C or better OR AD 095 C or better OR QR 101 C or better

ECON 300 - Law and Economics - 3

Describes the relationships between principles of law and economics. These principles are applied to law, political economy, ethics, business, social responsibility and business management.

Prerequisites: ECON 111 Minimum Grade of C OR ECON 112 Minimum Grade of C.

ECON 301 - Consumer and Firm Decision-Making - 3 (FS)

Understand how individuals and firms make rational decisions with scarce resources to maximize economic welfare in competitive markets, and roles of irrational and strategic decision-making.

Attributes: BSS
Prerequisites: ECON 111 AND ECON 112 AND MS 251.

ECON 302 - Economic Growth and Stability - 3 (FS)

Practical understanding of economic growth and price stability as needed in business, role of fiscal and monetary policy on achieving economic growth and price stability.

Attributes: BSS
Prerequisites: ECON 111 AND ECON 112 AND MS 251.

ECON 315 - Empirical Business Applications - 3 (FS)

Demonstrates the application of popular empirical methods for analyzing data using real-world micro and macro data from different business areas: accounting, economics, finance, management, and marketing.

Attributes: BSS, EL
Prerequisites: MS 251 Minimum Grade of C.

ECON 321 - Economic History of the United States - 3

Analysis of key elements and experiences in U.S. economic development from colonial times to present; evolution of markets; changing role of government and policies.

Attributes: BHUM
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.

ECON 327 - Social Economics: Issues in Income, Employment and Policy - 3 (FM)

Economic aspects of social problems such as poverty, discrimination and unemployment. Economic analysis of social policies such as social insurance, welfare programs, employment legislation, and taxation.

Attributes: BSS, ERGU, EUSC
Prerequisites: ECON 111 AND ECON 112.

ECON 341 - Topics In Economics - 3 (FS)

Selected topics in economics. May be repeated up to 6 hours provided no topic is repeated.

Attributes: BSS

ECON 343 - Money and Banking - 3

The role of money and banking in modern economies, the monetary policy process, regulation and supervision of the financial system, and internationalization of financial markets.

Attributes: BSS
Prerequisites: ECON 111 Minimum Grade of C.

ECON 345 - Economics of the Public Sector: National - 3

Role of government in U. S. economy; federal expenditures, revenue, and debt; and evaluation of government policy including analysis of taxes, grants, public services.

Attributes: BSS
Prerequisites: ECON 111 AND ECON 112.

ECON 346 - Economics of the Public Sector: State and Local - 3

Public expenditure and taxation; intergovernmental fiscal relations; budgeting; grants; and public choice.

Attributes: BSS
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Concentrations: Economics

ECON 411 - The Business of Healthcare - 3

Understanding supply and demand of healthcare and insurance. Emphasis on healthcare delivery and choice, navigating health insurance markets, impact of healthcare regulations, and international comparisons. Requires completion of stated prerequisite or consent of instructor.

Attributes: EH, SS
Prerequisites: ECON 111 AND ECON 112.

ECON 415 - Econometrics - 3 (F)

Empirical research methodology and ethics. Hypothesis testing and predicting with OLS regression. Estimation with violations of classical assumptions. Multicollinearity problems; dummy variables; and model specification. Will not count toward MA or MS in Economics and Finance.

Attributes: SS
Prerequisites: ECON 315 Minimum Grade of C.

ECON 416 - SAS Base Programming - 3

Reading data from various file formats into SAS and creating new variales. Creating new SAS data sets by subsetting, merging, and restructuring existing data sets. Creating reports in list and HTML format.

Attributes: SS
Prerequisites: MS 251 Minimum Grade of C OR MATH 150 Minimum Grade of C.

ECON 417 - Business Forecasting - 3 (S)

Survey of methods to forecast economic and financial conditions and markets for individual products, sectors, or regions. Time series, indicator, judgmental, econometric and Box-Jenkins techniques. Satisfies research requirement for business programs. Will not count toward MA or MS in Economics and Finance.

Attributes: SS
Prerequisites: ECON 315 Minimum Grade of C.

ECON 428 - Economic Consulting - 3

Students will develop self-marketing skills to value their own abilities, assess costs and benefits of self-

employment, and how to prepare economic reports for business clients.

Attributes: SS
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C AND MS 251 Minimum Grade of C.

ECON 429 - Macroeconomic News and Events - 3

Covers current domestic and international macroeconomic events and policy changes as reported in Wall Street Journal and Financial Times; allows students to analyze macroeconomic news

Attributes: SS
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.

ECON 431 - Economics of Careers - 3

Why do people choose to work? What job is right for me? How much am I worth? Learn how Labor Economists can answer these questions.

Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.

ECON 439 - Economics of Sports - 3 (M)

Economic analysis applied to issues concerning major professional team sports such as free agency, salary caps, competitive balance, stadium contracts, and franchise relocation. Will not count toward MA or MS in Economics and Finance.

Attributes: SS
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C AND MS 250 Minimum Grade of C AND MS 251 Minimum Grade of C.

ECON 461 - International Economics - 3 (S)

Reasons for International Trade; comparative trade policies in advanced and developing countries; understanding the macroeconomic forces behind the changes in the exchange rates.

Attributes: BSS, EGC, SAB
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.

ECON 488 - Professional Experience - 3 (FMS)

Internship course that allows students to work at a sponsoring organization to gain experience.

Restrictions: Must be enrolled in one of the following Concentrations: Economics, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Dept Chair-Program Director

ECON 490 - Independent Study in Economics - 1 to 6 (FS)

Investigation of topic areas. Individual or small group readings under supervision of faculty member. Requires consent of department chair or program director. Will not count toward MA or MS in Economics and Finance.

Attributes: SS
Registration Consent: Dept Chair-Program Director

English Language & Literature (ENG)

ENG 100G - Writing Lab-Grammar - 1 (FMS)

Computerized self-instructional materials for improving writing. GRM is prerequisite to 100R (Rhetoric). Not for English majors or minors.

ENG 100R - Writing Lab-Rhetoric - 1 (FS)

Computerized self-instructional materials for improving writing. Not for English majors or minors.

Prerequisites: ENG 100G.

ENG 101 - English Composition I - 3 (FMS)

Instruction and practice in analyzing and composing the academic expository essay. IAI Course C1 900.

Attributes: FW1, IAC
Prerequisites: Evidence-based READ/WRIT Score (S11R) Minimum score of 480 OR English Language Arts Score (A13) Minimum score of 20 OR ((ACT English (A01) Minimum score of 18 or ACCUPLACER Writing (UA02) Minimum score of 250 or AD 090 Minimum grade of C or better or AD 092 Minimum grade of C or better) AND (ACT Reading (A03)

Minimum score of 22 or ACCUPLACER Reading (UA01) Minimum score of 237 or AD 082 Minimum grade of C or better or AD 116 Minimum grade of C or better.)).

ENG 101E - English Composition I - 3 (FS)

Instruction and practice in analyzing and composing the academic expository essay.

Attributes: FW1
Registration Consent: Advisor

ENG 101N - English Composition: Non-Native Speakers - 3 (FS)

Instruction and practice in expository writing, including the paragraph and short essay. Course is a general education skills course. Requires consent of advisor.

Attributes: FW1
Registration Consent: Advisor

ENG 102 - English Composition II - 3 (FMS)

Builds upon the analytical and writing skills developed in 101 with emphasis on argumentation and critical synthesis of information based on research. IAI Course C1 901R.

Attributes: FW2, IAC
Prerequisites: ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C OR ENG 101E Minimum Grade of C.

ENG 102N - English Composition: Non-Native Speakers - 3 (FS)

Instruction and practice in expository writing, including the essay and research paper. Course is a general education skills course. Requires consent of advisor.

Attributes: FW2
Prerequisites: ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C OR ENG 101E Minimum Grade of C.
Registration Consent: Advisor

ENG 111 - Introduction to Literature - 3 (FMS)

Representative works in world drama, fiction, and poetry. Development of appreciation of literature by understanding themes, purposes, techniques, and history. IAI Course H3 900.

Attributes: BHUM, EGC, IAH, LIT
Registration Consent: Advisor

ENG 112 - Introduction to American Literature and Culture - 3

Representative works in American fiction, poetry, film, and television. Development of appreciation of literature and culture by understanding themes, purposes, techniques, and history.

Attributes: BHUM, EUSC

ENG 125 - Introduction to Black Literary And Cultural Studies - 0 or 3

This course serves as an entry into Black literary and cultural studies, focusing on a variety of content – poems, short stories, essays, podcast episodes, and visual art. Students strengthen their capabilities engaging Black artistic productions by participating in cultural criticism activities.

Attributes: BHUM, EH, EREG, ERGU, FRSM
Restrictions: Must be assigned one of the following Student Attributes: Boundless Scholar Experience

ENG 200 - Introduction to Literary Study - 3 (FS)

Required of English majors and Literature minors. Focuses on literary genres, terminology, and close reading. Early completion recommended. Open to prospective majors and minors.

Attributes: HUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Literature,English,American and English Lit,Teaching Eng as 2nd Language,Teaching of Writing,Tch Eng 2nd Lang,Teaching of Writing,Literature,Secondary English Lang Arts, Must be enrolled in one of the following Departments: English Language and Literature

ENG 201 - Intermediate Composition - 3 (FMS)

Builds upon skills developed in ENG 102. Useful for

students across disciplines. Focuses on writing for the rhetorical demands of discipline-specific academic audiences and purposes.

Attributes: BHUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 202 - Studies in Drama - 3 (aF)

Reading and discussion of classic examples of ancient and modern drama, with attention to themes, techniques and cultural significance. IAI Course H3 902.

Attributes: BHUM, EGC, IAH, LIT
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 203 - Studies in Poetry - 3

Reading and discussion of selected examples of British and American poetry; recent and traditional. IAI Course H3 903.

Attributes: BHUM, EUSC, IAH, LIT

ENG 204 - Studies in Fiction - 3 (FS)

Reading and discussion of selected major examples of modern fiction, the short story to the novel. Attention to themes and techniques. IAI Course H3 901.

Attributes: BHUM, IAH, LIT

ENG 205 - Introduction to African American Texts - 3 (FMS)

African American texts in the form of oratory, sermons, speeches, poetry, fiction, and/or drama. Various literary periods from colonial to contemporary times may be covered.

Attributes: BHUM, EL, ERGU, EUSC, LIT, SS

ENG 206 - Introduction to Film Genre - 3

Introduces students to a variety of film genres and develops skills in film appreciation.

Attributes: BHUM, IS
Prerequisites: Complete all Foundations Requirements.

ENG 207 - Language Awareness - 3 (F)

Introductory course in the nature of language. Focus on English language; what language is; and how people use it.

Attributes: BICS, EGC, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

ENG 208 - Topics in Early British Literature - 3 (F)

The in-depth study of a variety of early British literary works. Topic varies. IAI Course H3 912.

Attributes: BHUM, EGC, IAH, LIT

ENG 209 - Topics in Modern British Literature - 3 (S)

The in-depth study of a variety of modern British literary works. Topic varies. IAI Course H3 913.

Attributes: BHUM, EGC, IAH, LIT

ENG 211 - Topics in Early American Literature - 3 (F)

The in-depth study of a variety of early American literary works. Topic varies. IAI Course H3 914.

Attributes: BHUM, EUSC, IAH, LIT

ENG 212 - Topics in Modern American Literature - 3 (FMS)

The in-depth study of a variety of modern American literary works. Topic varies. IAI Course H3 915.

Attributes: BHUM, EUSC, IAH, LIT

ENG 214 - Topics in World Literature: Ancient to Medieval - 3 (F)

The in-depth study of a variety of works in ancient and medieval world literatures. Topic varies.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 215 - Topics in World Literature: Renaissance to Modern - 3 (S)

The in-depth study of a variety of works in

Renaissance through modern world literatures. Topic varies.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 225 - Introduction to African American Literary Studies - 0 or 3 (S)

This course is an introduction to African American literature and cultural studies. The course introduces students to a range of literary works - short stories, poetry, essays, and visual productions - by African American authors and engages students in the critical practices related to African American literature.

Attributes: BHUM, EL, ERGU, SS
Restrictions: Must be assigned one of the following Student Attributes: Boundless Scholar Experience

ENG 290 - Introduction to Creative Writing - 3 (FMS)

Provides an introduction to the basic genres of creative writing (fiction, poetry, drama, and creative non-fiction) with an emphasis on craft and the writing process.

Attributes: BFPA
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman

ENG 301 - Introduction to Literary Theory and Criticism - 3 (FMS)

Selected literary theories, types of criticism, and theorists. Practice in interpreting and writing about literature, and in application of research methods.

Attributes: HUM
Prerequisites: ENG 200 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): English,American and English Lit,Teaching Eng as 2nd Language,Teaching of Writing,Tch Eng 2nd Lang

ENG 306 - Introduction to the Bible - 3 (S)

Reading and discussion of selected books from the Old and New Testaments and Apocrypha in translation, with attention to their literary, historical, and theological contexts.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 307 - Introduction to Shakespeare - 3 (M)

Shakespeare's life, the Elizabethan theater, and representative plays and poems. IAI Course H3 905.

Attributes: BHUM, EGC, IAH, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 309 - Popular Literature - 3

Analysis of literature which has influenced and been influenced by popular culture. May be repeated up to 6 hours provided no topic is repeated.

Attributes: BHUM, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 310 - Classical Mythology and Its Influence - 3 (F)

Major Greek and Roman myths: origin, nature, interpretations, and use in the modern world.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 315 - Literature and Sustainability - 3

Considers sustainability in an environmental, economical, cultural and/or political context in literature. Topics range from nature, animals, farming, resource scarcity, food, and social justice.

Attributes: BHUM, EUSC, IS, LIT
Prerequisites: Complete all Foundations Requirements.

ENG 332 - Argument - 3 (FS)

Students will investigate argument history, strategy, and theory; analyze arguments and rhetorical situations-rhetor, audience, purpose, context; and

compose and evaluate argumentative prose.

Attributes: BHUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 333 - The Rhetoric of Videogames - 3

Introduction to investigation of theory, history, practices, applications of videogames. Examination of games, gamers, and gaming culture. Videogame play and reflection. Analysis/creation of videogames.

Attributes: BICS, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

ENG 334 - Scientific Writing - 3 (S)

Offers students experience in researching, writing, structuring and revising scientific documents. Designed for science and English majors or minors.

Attributes: BICS, HUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 340 - Topics in Global Literatures - 3

Global literatures from antiquity to present; social, political, historical, and philosophical problems reflected in literature.

Attributes: BHUM, EGC, EREG, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 341 - African American Women's Writing - 3 (FS)

Poems, novels, short stories, essays, dramas, autobiography and other texts by African American women writers during various periods from colonial to contemporary times. Cross-listed with Women's Studies 341. IAI Course H3 910D.

Attributes: BHUM, ERGU, EUSC, IAH, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 342 - Topics in African American Literature - 3 (S)

Variable topics course exploring trends in African American literature across literary time periods. May repeat up to 6 hours with new topic.

Attributes: BHUM, ERGU, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 343 - Topics in African American Rhetoric and Oratory - 3

This course introduces students to essays; oratory; slave narratives; speeches and theories relative to abolitionism; captivity; religion; and civil-rights focused movements in African American texts. May be repeated up to 6 hours provided no topic is repeated.

Attributes: BHUM, ERGU, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 344 - Topics in Ethnic Literature - 3

This course will examine ethnic literatures from a socio-economic, political and historical context. Students will investigate issues of Diaspora, class, gender, and resistance in literatures often marginalized. May be repeated up to 6 hours provided no topic is repeated.

Attributes: BHUM, EREG, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 345 - African American Poetry & Folklore - 3

Examinations of parallel themes, forms, missions and theories of African American poetry/folklore from ancient origins to Langston Hughes, Gwendolyn Brooks, Rita Dove, blues, and rap. May be repeated up to 6 hours provided no topic is repeated.

Attributes: BHUM, ERGU, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.

ENG 369 - Grammatical Analysis - 3 (FS)

Analysis of formal spoken and written English sentences; encourages critical thinking about conceptions of grammar and greater awareness of our (mostly unconscious) knowledge of language.

Attributes: BICS, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 370 - Morphological Analysis - 3

An introduction to the analysis of the internal structure of words and the processes of inflection, derivation, and work formation found in human languages.

Attributes: BICS, EGC, EUSC, HUM

ENG 392 - Fiction Writing - 3 (FS)

Short story writing, with special emphasis on plot, point of view, description, dialogue, and other elements in the rhetoric of fiction. Workshop format.

Attributes: BFPA
Prerequisites: ENG 290 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 393 - Poetry Writing - 3 (FS)

Writing of poetry and study of poetic fundamentals, including form, imagery, figurative language, and speaker. Workshop setting for critiques of student work.

Attributes: BFPA
Prerequisites: ENG 290 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 394 - Playwriting - 3

Provides a close acquaintance with a range of theatrical strategies explored by playwrights, and a workshop forum for the development of student's own writing.

Attributes: BFPA
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

ENG 400 - Principles of Linguistics - 3 (FS)

Principles and techniques of linguistic analysis illustrated through survey of major structural components of language. Recommended for anthropology students, linguistics students, and those preparing to teach English.

Attributes: BICS, EGC, EUSC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 403 - History of the English Language - 3 (S)

Historical survey of major phonological and grammatical changes in English language from its Indo-European antecedents to the present.

Attributes: BICS, EGC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 404 - Chaucer: Canterbury Tales - 3

The Canterbury Tales read in Middle English.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 405 - Pragmatics - 3

Study of principles controlling how implicit levels of meaning are expressed in language and how context influences the interpretation of meaning.

Attributes: BICS, HUM

ENG 408 - Phonological Analysis - 3

Principles of linguistic analysis and interpretation as applied to sound systems of language.

Attributes: BICS, EGC, EUSC, HUM

ENG 409 - Syntactic Analysis - 3

Principles of syntactic analysis and interpretation as applied to clause and sentence level structures.

Attributes: BICS, EGC, EUSC, HUM

ENG 410 - Rhetoric, Writing, and Citizenship - 3 (S)

Examination of rhetoric's role in US citizenship both past and present. Students will write analytical and persuasive documents. Service learning project required.

Attributes: BICS, EUSC
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

ENG 411 - Internship in Writing - 3 (MaF)

Involvement in developing workplace writing. Supervised by selected faculty member and cooperating site. NOT FOR GRADUATE CREDIT.

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

ENG 412 - Digital Literacies - 3

Students will investigate digital literacy - electronic technologies, discursive practices, and cyberspaces. Analysis and assessment of digital artifacts, cultures, and texts.

Attributes: BICS, EGC, HUM, IS
Prerequisites: Complete all Foundations Requirements.

ENG 416 - Language and Society - 3 (S)

Study of relationships between language, society, and culture, and their implications for education and intercultural communication. Topics include language variation, socialization, and ethnography of communication.

Attributes: BICS, EGC, EREG, ERGU, EUSC, HUM, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 420 - Topics in Film Studies - 3

Variable topics course focusing on the history and aesthetic development of one or two film genres, styles or historical periods.

Attributes: BHUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 444 - Creative Nonfiction - 3 (FS)

Writing practice in and examination of a wide variety of modes and subjects comprising the genre of creative nonfiction, i.e. memoir, personal essay, lyric essay. Workshop format.

Attributes: FPA
Prerequisites: ENG 290.

ENG 445 - Young Adult Literature - 3 (FMS)

Historical survey of and contemporary perspectives on young adult literature. Students will analyze interactions between literary texts and the cultures in which they are read.

Attributes: HUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 446 - Studies in African American Literature - 3 (F)

This course will examine the fiction, poetry, short stories, and essays of African American writers within the context of scholarship and criticism dedicated to the study of black Diasporic cultures. May be repeated up to 6 hours.

Attributes: BHUM, ERGU, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 457 - Topics in Postcolonial Literature and Criticism - 3

Examination of postcolonial texts-novels, plays, poem, memoirs, speeches, and critical essays-with focus on scholarship and theory in postcolonial studies. May be repeated to a maximum of 6 hours provided no topic is repeated.

Attributes: BHUM, EGC, EREG, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 463 - Topics in Literary Periods - 3 (S)

Reading and analysis of works drawn from one or more specific literary periods; authors and periods vary. May be repeated to a maximum of 9 hours as long as no topic is repeated. Junior standing or consent of instructor.

Attributes: BHUM, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ENG 464 - Topics in Forms and Genres - 3 (S)

Reading and analysis of works drawn from one or more specific literary forms and genres; authors, forms, and genres vary. May be repeated to a maximum of 9 hours as long as no topic is repeated. Junior standing or consent of instructor.

Attributes: BHUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 465 - Special Topics - 3 (aF)

Special topics in literature, linguistics, rhetoric and composition, and creative writing. May be repeated once for a maximum of six hours provided no topic is repeated. Prerequisite: ENG 102 with a C or better; junior standing or consent of instructor.

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 468 - Second Language Acquisition - 3 (S)

Examination of issues and theories applicable to understanding process of second language development.

Attributes: BICS

ENG 470 - Meth & Matls: P-12 ESL & Bilin - 3

Examination of techniques and materials for teaching dual-language and English Learners in P-12 settings.

Attributes: BICS, EUSC

ENG 471 - Shakespeare - 3 (S)

The in-depth study of the works of Renaissance author William Shakespeare. Topic varies; may be repeated to a maximum of 6 hours so long as topic is not repeated.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ENG 472 - Assessment and Testing in English as a Second Language - 3

Examination of issues and methods for assessing oral and written proficiency in English as a Second Language.

Attributes: BICS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 473 - Milton - 3

Paradise Lost and other works such as Samson

Agonistes, Paradise Regained, Lycidas, Comus, and selected prose.

Attributes: BHUM, EGC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 474 - Bilingualism and Bilingual Education - 3

An introduction to cognitive, linguistic, and social perspectives on bilingualism; and the history and politics of bilingual education in the U.S.

Attributes: BICS, EUSC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 475 - Methods of Teaching Secondary English Language Arts - 3 (FS)

Approaches to teaching English Language Arts at the secondary level, including lesson planning for reading, writing, and language instruction; must be seeking secondary ELA licensure.

Attributes: LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Concentrations: Secondary English Lang Arts, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 476 - Practicum in English as a Second Language - 3

This course is designed for students who need to gain supervised experience teaching English as a second language for the purposes of the state English as a second language enrollment.

Prerequisites: ENG 470 OR ENG 542.

ENG 477 - Morrison - 3 (S)

Reading and analysis of the works of major contemporary American author Toni Morrison.

Attributes: BHUM, ERGU, EUSC, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ENG 478 - Studies in Women, Language and Literature - 3 (FS)

Relationships among society, gender, language, and literature; ways women are affected by and depicted in language and literature; literature written by women; and feminist criticism. Topic varies; may be repeated to a maximum of 6 hours so long as topic is not repeated. Same as WMST 478.

Attributes: BHUM, EUSC, IS, LIT
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 479 - Major Authors: Shared Traditions - 3 (FM)

Reading and analysis of the works of two to four major authors who share an historical period; authors and topic vary. May be repeated up to a maximum of 6 hours as long as authors and topic are not repeated.

Attributes: BHUM, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ENG 480 - Major Authors: Crossing Boundaries - 3

Reading and analysis of the works of two to four major authors from different historical periods; authors and topic vary. May be repeated to a maximum of 6 hours as long as no topic is repeated. Junior standing or consent of instructor.

Attributes: BHUM, EUSC, LIT

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

ENG 482 - Technology & Literature - 3

Analysis of digital theory, electronic environments, hypertextual editing, and born-digital literatures.

Attributes: BICS, LIT
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 485 - Writing for Teachers of English - 3 (FS)

Composition processes for teachers of English in secondary education; the practice and pedagogy of academic writing.

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Master of Arts in Teaching,English,Teaching Eng as 2nd Language,Teaching of Writing,Tch Eng 2nd Lang,Secondary English Lang Arts, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 486 - Teaching Creative Writing - 3

Seminar on the teaching of creative writing, with an emphasis on poetry and/or fiction.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 488 - Rhetoric, Politics, & the Law - 3 (F)

Rhetorical figures, political texts and speeches, law and policies, from classical origins to today. Analysis of persuasion, reason, style, fallacy, rhetorical situation and context.

Attributes: BHUM, EGC
Prerequisites: ENG 102 with a C or better or graduate standing (GM).

ENG 490 - Advanced Composition - 3 (FS)

Writing sophisticated expository prose. Review of grammatical matters as needed. Emphasis on clarity, organization, effectiveness, and flexibility. May be repeated once for a max of 6 hours with permission.

Attributes: BHUM
Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 491 - Technical and Business Writing - 3 (FMS)

Technical communication, professional correspondence, reports, proposals, descriptions, and evaluations. Word processing and graphics software. For students in English, business, engineering, nursing, the sciences, and the social sciences.

Attributes: BICS
Prerequisites: ENG 102 or ENG 102N with a C or better or graduate standing (GM)..
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 492 - Advanced Fiction Writing - 3 (FS)

Advanced seminar in short story writing. Includes readings in fiction and a study of the psychology of creativity, fiction markets, and experimental fiction. Workshop format.

Attributes: FPA
Prerequisites: ENG 392.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 493 - Advanced Poetry Writing - 3 (S)

Advanced workshop in writing poetry. Examination of poetic expression.

Attributes: FPA
Prerequisites: ENG 393.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 494 - Literary Editing - 3 (F)

Principles of literary editing, primarily of fiction and poetry.

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 495 - Professional Development in African American Literary Studies - 3

Senior seminar in African American literary studies, focusing on professional development and public humanities.

Prerequisites: (ENG 205 or ENG 125 or ENG 225) and ENG 341 with a C or better.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 496 - Scholarly and Critical Editing - 3

Editorial preparation of copy for scholarly and critical journals in English language and literature.

Prerequisites: ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENG 497A - Senior Seminar - 3 (FS)

Required of majors. A variable topics course providing intensive study of a specialized topic. Includes a substantial research paper. Not for Graduate Students.

Prerequisites: ENG 301 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): English,American and English Lit,Teaching Eng as 2nd Language,Teaching of Writing,Tch Eng 2nd Lang, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

ENG 498 - Creative Writing with Research - 3 (aF)

Multi-genre investigation into a variety of ways creative writers engage in research to enhance their work. Students will complete an ambitious semester-long writing project. NOT FOR GRADUATE CREDIT.

Prerequisites: ENG 392 Minimum Grade of C OR ENG 393 Minimum Grade of C.

ENG 499 - Readings in English - 1 to 3 (FS)

Independent study in specific area of interest. Extensive reading. For English students only; may be repeated to a maximum of 6 hours. Requires consent of department chair and instructor.

Registration Consent: Instructor and Advisor

Environmental Sciences (ENSC)

ENSC 111 - Survey of Environmental Sciences and Sustainability - 3 (M)

Biological, chemical, physical, political, and social aspects of environmental problems; Sustainability in food production, energy use, conservation, and resource management; Current major environmental challenges.

Attributes: BPS

ENSC 120 - Survey of Environmental Sciences - 1

Survey of the biological, chemical, physical, political and social interactions which constitute environmental problems and the consequences of proposed solutions.

ENSC 125 - Topics of Environmental Health and Toxicology - 3 (FS)

Naturally occurring and anthropogenic toxicants can cause adverse environmental impacts. Provides the fundamental information concerning the effects of environmental toxicants on living organisms.

Attributes: BPS

ENSC 210 - Applied Research Methods - 3 (S)

Research methods for the analysis of environmental problems. Survey research and other data collection techniques. Collection, interpretation, and critical evaluation of data.

Attributes: BPS

ENSC 220 - Principles of Environmental Sciences - 3 (FMS)

System approaches to policy of air, soil and water environments; land use; energy supplies; and other resources using biological, ecological, physical, and chemical principles.

Attributes: BPS

ENSC 220L - Principles of Environmental Science Lab - 1 (FS)

Laboratory exercises to introduce system analysis of air, soil and water environments; land use; energy supplies; and other resources using biological, ecological, physical, and chemical principles.

Attributes: BPS, EL
Prerequisites: Corequisite(s): ENSC 220.
Corequisites: ENSC220

ENSC 325 - Transport and Fate of Toxicants in the Environment - 3 (S)

Sources and occurrence of major environmental toxicants; Physical and chemical properties of toxicants and environmental factors affecting toxicants' transport, transformation, and distribution in the environment.

Attributes: BPS
Prerequisites: MATH 120I OR MATH 120E OR MATH 120 OR MATH 125 OR MATH 145 OR MATH 150.

ENSC 325A - Toxicants in the Environment I - 3 (S)

Sources and occurrence of major environmental toxicants; Physical and chemical properties of toxicants and environmental factors affecting toxicants' transport, transformation, and distribution in the environment.

Attributes: BPS
Prerequisites: ENSC 220.

ENSC 326 - Sampling and Analysis of Environmental Toxicants - 3

Basic concepts and techniques of environmental sampling, sample preparation, and chemical analyses of toxicants; Field and laboratory skills, major analytical instruments, data analysis and interpretation.

Attributes: BPS, EL
Prerequisites: ENSC 325.

ENSC 330 - Environmental Health - 3 (MS)

Introduction to human health effects of pollution and environmental hazards of a biological, radiological, or physical nature in food, water, soil, animals and wastes.

Attributes: EGC, LS
Prerequisites: (CHEM 111 Minimum Grade of C AND BIOL 111 Minimum Grade of C AND ENSC 220 Minimum Grade of C) OR (BIOL 150 Minimum Grade of C AND BIOL 151 Minimum Grade of C AND BIOL 220 Minimum Grade of C).

ENSC 340 - Ecosystem Management and Sustainability - 3 (F)

Management of natural resources through the adaptive and community-based conservation approaches, with an emphasis on developing sustainable ecosystems.

Attributes: BLS
Prerequisites: BIOL 111.

ENSC 401 - Environmental Policy - 3 (S)

Relationship between political processes and policy outcomes; correlation of environmental politics and science; balancing trade-offs between legal, economics, social and environmental goals, including service learning.

Attributes: BSS
Prerequisites: ENSC 220.

ENSC 402 - Environmental Law - 3 (F)

Principal issues in environmental law and the judicial interpretation of important environmental statutes. Same as POLS 497.

Attributes: SS
Prerequisites: POLS 112 OR ENSC 220.

ENSC 404 - Regional Environment Planning - 3

Interrelationships between regions, environments, and planning.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

ENSC 411 - Hydrology - 3 (F)

Hydrologic cycle; major stream systems; and uses of water resources and their relationships to quality and future supplies. Same as GEOG 411

Attributes: PS
Prerequisites: GEOG 111.

ENSC 412 - Groundwater Hydrology - 3 (S)

Study of groundwater: occurrence; physical and chemical properties; flow and flow system modeling; relation to rock structure and lithology; and contamination of groundwater resources.

Attributes: PS
Prerequisites: CHEM 113.

ENSC 419 - Science, Experts and Public Policy - 3

Analysis of factors affecting the influence of scientists, planners, and other experts in policy-making. Several cases and controversies will be examined.

Prerequisites: ENSC 340.

ENSC 426 - Environmental Geochemistry - 3

Study of exogenic environment as a geochemical system, natural circulation of water, sediment, carbon, sulfur, nitrogen, and phosphorus; and assessment of human activities on these cycles.

Attributes: LS
Prerequisites: CHEM 113.

ENSC 431 - Environmental Toxicology - 3 (F)

Chemical and biological effects of toxic substances in living organisms at the molecular and biological levels. Topics include: routes of entry, mechanism of action, effects, and antidotes. (Same as CHEM 471)

Attributes: BLS
Prerequisites: (CHEM 120A AND CHEM 120B) OR (CHEM 121A AND CHEM 121B) AND BIOL 150 AND BIOL 151.

ENSC 431L - Laboratory Approaches in Environmental Toxicology - 1 (F)

Laboratory exercises of common experimental approaches and chemical analysis techniques used in assessing effects of environmental toxicants on different levels of organisms functions.

Attributes: EL
Prerequisites: CHEM 120A AND CHEM 120B AND (ENSC 431 (concurrency allowed) OR CHEM 471 (concurrency allowed)).

ENSC 432 - Fundamentals of Molecular Toxicology and Pharmacology - 3 (S)

Molecular, biochemical, and cellular mechanisms of toxicity, mode of action, metabolism, and interactions of environmental pollutants, toxic chemicals, and drugs.

Attributes: PS
Prerequisites: BIOL 319 Minimum Grade of C OR CHEM 471 Minimum Grade of C OR ENSC 431 Minimum Grade of C OR CHEM 451A Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENSC 434 - Fundamentals of Aquatic Ecotoxicology - 3 (F)

Biological effects of aquatic pollution from the molecular to the ecosystem level; uptake, metabolism, excretion, food chain transfer, environmental fate and transport of aquatic pollutants. Same as BIOL 434.

Attributes: LS
Prerequisites: (ENSC 220 AND ENSC 330) OR BIOL 319 OR BIOL 365 OR CHEM 471
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENSC 435 - Ecological Risk Assessment - 3 (F)

Introduction to science behind environmental policy/regulations. Application of ecology, chemistry, and toxicology to assess present and future pollution risks to populations, communities ecosystems.

Prerequisites: BIOL 365 Minimum Grade of C OR ENSC 431 Minimum Grade of C

ENSC 436 - Environmental Epidemiology - 3 (FS)

Environmental epidemiology, the study of how environmental factors (e.g., pollution, climate, geography) influence human health. Includes advanced training in data management and analysis using spreadsheets.

Attributes: LS
Prerequisites: ENSC 220 and 330; or Graduate Standing (GM).

ENSC 437 - Industrial Hygiene - 3

Recognition, evaluation, and control of biological, chemical, and physical hazards in industry that may cause sickness or impaired health to people.

Attributes: LS
Prerequisites: ENSC 220 AND ENSC 330.

ENSC 440 - Sustainable Environmental Practices - 3 (S)

Practices that meet the needs of the present generation without compromising the ability of future generations to meet their needs.

Attributes: BLS
Prerequisites: ENSC 340 AND ENSC 330.

ENSC 444 - Drones for Mapping and Communication - 3

This class will provide an overview of aspects related to unmanned aerial systems (UAS) operations for both environmental mapping and communication purposes. Topics will include: Basic aviation knowledge, current UAS regulations, flight control systems, UAS platforms/sensors, basic aerial mapping techniques, and aerial photography/videography for communications. Students will engage in classroom and field exercises and will gain hands-on experience with data collection using a variety of UAS. Field trips are required.

Registration Consent: Instructor

ENSC 445 - Conservation Biogeography - 3

Analysis of biogeography principles and conservation problems. Assess changes in biosphere distributions and extinction due to human activity. Evaluates strategies to maintain biodiversity. Field trips.

Attributes: BLS
Prerequisites: GEOG 316.

ENSC 450 - Applied Ecology - 3 (S)

Applying ecological concepts and principles for solving, predicting and managing current important ecological problems, such as global climate change, conservation, wetland restoration, and environmental remediation. (Same as BIOL 464)

Attributes: LS
Prerequisites: BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENSC 465 - Aquatic Ecosystems - 4

Biogeochemistry and community structure of aquatic systems. Three lectures one three-hour laboratory per week.

Attributes: EL, LS
Prerequisites: BIOL 151 Minimum Grade of C AND CHEM 121B Minimum Grade of C.

ENSC 466 - Terrestrial Ecosystems - 3

Community structure, biogeochemistry and historical development of terrestrial ecosystems. Two lectures, one three-hour laboratory per week. Prerequisite: One semester of botany or consent of

instructor.

Attributes: EL, LS
Prerequisites: BIOL 220.

ENSC 468 - Pollution Ecology - 3

The application of biological, ecological, chemical and physical sciences to understanding the fate and transport of pollutants through ecosystems.

Prerequisites: BIOL 220 Minimum Grade of C AND BIOL 365 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENSC 470 - Fundamentals of Environmental Technology - 3

Air & water pollution control, drinking water purification, sewage treatment, solid ("trash") and hazardous waste management, environmental cleanup, alternative energies, biofuels, green buildings, sustainable cities.

Attributes: BLS
Prerequisites: ENSC 220 Minimum Grade of C OR Graduate level ENSC 510 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ENSC 472 - Topics in Plant Physiology - 4

Topics include photosynthesis, mineral nutrition, water as related to plants growth and movement of plants. Two lectures and two laboratories per week. Requires completion of one semester of botany or consent of instructor.

Attributes: LS

ENSC 473 - Occupational Health - 3 (F)

Concepts and details regarding occupational health.

Attributes: LS

ENSC 475 - Chemical Safety Management - 3 (F)

Concepts and details regarding safe use and handling of chemicals as recommended by safety professionals.

Attributes: BPS
Prerequisites: ENSC 220.

ENSC 477 - Industrial Risk Monitoring an Risk Assessment - 3

Principles of health surveillance and monitoring assessment of occupational exposures to contaminants and non-chemical factors.

Prerequisites: ENSC 220 AND ENSC 330.

ENSC 490 - Senior Assignment in Environmental Sciences - 1 (FS)

Demonstration of proficiency in environmental sciences. Not for graduate credit.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Advisor

ENSC 491 - Readings in Environmental Science - 1 to 3

Coordinated readings with faculty in the areas of science, politics, law, education, technology, and other environmental areas. May be repeated for a maximum of 4 credit hours. For declared minors only or consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Environmental Sciences
Registration Consent: Instructor

ENSC 495 - Topics in Environmental Sciences - 1 to 3

Advanced topics in environmental sciences. An in-depth examination of a selected topic. May be repeated to maximum of 6 hours provided no topic is repeated. Requires consent of instructor or program director.

Registration Consent: Instructor

ENSC 496 - Environmental Internship - 1 to 3

Coordinated activities of students with internship in program relevant positions, as directed by their internship supervisors and faculty adviser.

Prerequisites: ENSC 220.
Registration Consent: Dept Chair-Program

Director

ENSC 497 - Environmental Health Practicum - 1 to 3

Internships in non-governmental or governmental organization, providing job experience for a career as an environmental health professional.

Restrictions: Must be enrolled in one of the following Concentrations: Environmental Health, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor and Dept Chair

ENSC 498 - Senior Project in Environmental Sciences - 1 (FS)

Senior research, in which students work intensively on individual or group research projects. Background information, data collection, data analysis, integration, and interpretation.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

ENSC 499 - Research in Environmental Sciences - 0 to 3 (FMS)

Research projects will be conducted in research facilities of faculty members. Research topics can include environmental problems in biology, chemistry, education, policy and technology and assessment.

Prerequisites: ENSC 210 AND ENSC 220.
Registration Consent: Instructor

Educ Psych, Found, & Research (EPFR)

EPFR 315 - Educational Psychology - 3

Human learning and development as applied to school environment. Emphasis on cognitive processes, cognitive development, behavior, and classroom evaluation.

Attributes: SS
Registration Consent: SEHHB Advisor

EPFR 320 - Foundations of Education in A Multicultural Society - 3 (F)

Philosophical, historical, social and cultural foundations of education in a multicultural society with an emphasis on understanding education in context to improve teaching practice.

Attributes: BSS, EUSC
Registration Consent: SEHHB Advisor

EPFR 415 - The Middle School Learner - 3

Addresses characteristics of young adolescent learners and implications for instruction. Course meets Illinois requirements for middle school endorsement, and is designed for pre-service and in-service teachers.

Prerequisites: EPFR 315 AND EPFR 320.

EPFR 451 - Gender and Education - 3 (FS)

Policies and practices related to sex-role stereotyping; teacher expectations and gender; curricular bias; discrimination; personnel policies; and strategies for change. Same as WMST451

Attributes: EUSC

Earth Science (ESCI)

ESCI 111 - Intro to Physical Geology & Geography - 3 (FMS)

Physical geology and geography of the solid earth. Hydrologic system, weathering, soils, landforms, sedimentary rocks. Tectonic system, magmatism, igneous rocks, crustal deformation, metamorphism. IAI Course P1 905.

Attributes: BPS, EL, IAPS

Fine Arts & Communication (FAC)

FAC 350 - Special Topics in Fine Arts & Communications - 1 to 4

Topics in areas not offered in departmental curriculum with emphasis on interdisciplinary studies. Varied content. May be repeated to a maximum of 12 hours. Requires consent of instructor.

Registration Consent: Instructor

FAC 450 - Special Topics in Fine Arts & Communications - 1 to 4

Topics in areas not offered in departmental curriculum with emphasis on interdisciplinary studies. Varied content. May be repeated to a maximum of 12 hours. Not for graduate credit. Requires consent of instructor.

Registration Consent: Instructor

Finance (FIN)

FIN 305 - Personal Finance in the Modern Society - 3 (M)

Holistic planning in the modern society for financial well-being. Behavioral aspects of consuming vs. saving, and risk-taking. Enabling education, homeownership, retirement, and financial security though sound choices. Risk management for catastrophic losses due to poor health, accidents, bereavement, and natural disasters.

Attributes: BSS
Prerequisites: MS 251 Minimum Grade of C.

FIN 306 - Real Estate Principles - 3 (F)

This introductory class in real estate is to broadly introduce students to the business world of real estate. To prepare students to make sound decisions concerning real estate use and investment.

Attributes: SS
Prerequisites: MS 251 Minimum Grade of C.

FIN 320 - Financial Management & Decision Making - 3 (FMS)

Introduction to financial decisions, tools, and models. Valuation, capital budgeting, and capital structure. Operating decisions and other long and short-term applications.

Prerequisites: ACCT 200 Minimum Grade of C AND MS 251 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 341 - Topics in Finance - 3

Selected topics in finance. May be repeated to a maximum of 6 hours provided that no topic is repeated.

Prerequisites: FIN 320 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 344 - Financial Markets - 3 (FS)

Conceptual framework of financial markets and institutions; functions and practices of debt, equity and derivative security markets; Bank and nonbank financial institution operations and regulations.

Attributes: SS
Prerequisites: ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 360 - Principles of Insurance - 3 (S)

Theoretical and applied concepts underlying individual life and health insurance; annuities and property; and assessing risk and calculation of premiums.

Prerequisites: MS 251 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 361 - Retirement Planning and Benefits - 3

Technical aspects of various types of retirement plans will be discussed. The course will cover different types of retirement plans, investment choices, and benefits available to employees.

Attributes: SS
Prerequisites: FIN 320 Minimum Grade of C.

FIN 420 - Problems in Corporate Finance - 3 (FMS)

In-depth development of analytical decision models; and basic and advanced corporate financial theory and application to business and industrial settings. Will not count toward MA or MS in Economics and Finance.

Prerequisites: FIN 320 Minimum Grade of C OR ACCT 312 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

FIN 421 - Merger, Capital Structure, and Distribution - 3 (FS)

The focus of this course is on issues related to mergers, capital structure, and distribution. This course is structured for students who wish to expand their knowledge in the area of corporate finance. Topics such as how firms raise capital via security issuances, how mergers are appraised, why firms pay dividends and share repurchases will be discussed in depth.

Prerequisites: FIN 420 Minimum Grade of C.

FIN 430 - Portfolio Analysis - 3 (FMS)

Modern portfolio theory and asset pricing models; theory and practice of portfolio performance evaluation; structure of equity markets; trading of securities; and mutual funds. Satisfies research requirement for business program.

Attributes: EL
Prerequisites: FIN 320 Minimum Grade of C OR FIN 420 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

FIN 431 - Derivative Securities - 3 (FS)

Introduction to derivatives; options, forwards, futures and swaps; trading of derivatives and the arbitrage relationships; and pricing of derivatives on equities, debt, commodities and foreign exchange.

Prerequisites: FIN 320 OR Graduate level FIN 527 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys,Economics and Finance

FIN 432 - Fixed Income Securities - 3 (S)

Types and characteristics of fixed-income securities. Issuance, trading and valuation. Term structure movement, risk and return. Credit analysis. Fixed-income embedded options and portfolio management.

Prerequisites: FIN 320 Minimum Grade of C.

FIN 435 - Real Estate Finance & Investment - 3

Fundamental concepts, and investigation and evaluation of real (estate) assets. Single residence, multiple dwellings, and commercial properties. Applications based on financial theory and methodology.

Prerequisites: FIN 320.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 436 - Financial Analysis of Entrepreneurial Ventures - 3

Deals with the use of financial tools and techniques to plan, fund, operate and value entrepreneurial ventures. It focuses on the financial management aspects that deal with the different stages of a business venture’s life cycle from its development to maturity stages.

Attributes: SS
Prerequisites: FIN 320 Minimum Grade of C.

FIN 440 - Financial Institutions - 3 (FS)

Financial management of financial institutions: commercial banks, S&L's, insurance companies, and other financial institutions. Asset and liability management.

Prerequisites: FIN 320.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or

Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 445 - Applied Security Analysis & Portfolio Management - 3

Hands-on experience in the practice of investing. Introduces students to fundamental techniques of stock selection, portfolio diversification approaches, and performance evaluation techniques.

Prerequisites: FIN 320 Minimum Grade of B AND FIN 430 Minimum Grade of C.

FIN 450 - International Finance - 3 (F)

International financial markets. Determinants of foreign exchange rates and risk management in global markets. Managerial implications of foreign exchange exposure and firm valuation. International investment analysis.

Attributes: EGC, SS
Prerequisites: FIN 320 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

FIN 451 - Advanced Financial Analysis with Excel - 3

Individuals and businesses have to make financial decisions on a regular basis. This course will help students learn how to make those decisions using Excel.

Attributes: SS
Prerequisites: FIN 320.

FIN 460 - Corporate Financial Analysis & Strategy - 0 or 3 (FS)

In-depth analysis of financial data and stock prices. Study the relationship among financial markets, financial strategy, and welfare of corporate stake holders. Will not count toward MA or MS in Economics and Finance.

Prerequisites: FIN 420.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

FIN 488 - Professional Experience - 3 (FMS)

Professional internship course that allows the student to work at a sponsoring organization to gain experience at applying theories and skills learned. The organization must sponsor the internship and the department chair must approve it.

Restrictions: Must be enrolled in one of the following Concentrations: Finance, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Dept Chair-Program Director

FIN 490 - Independent Study in Finance - 1 to 6

Investigation of topic areas through individual or small group readings under supervision of faculty member. Requires consent of instructor and department chairperson. May be repeated up to a total of 6 hours. Will not count toward MA or MS in Economics and Finance.

Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Instructor and Dept Chair

Foreign Language & Literature (FL)

FL 101 - Elementary Foreign Language I - 4 (FS)

Listening, speaking, reading, and writing. Culture of target language country. Lab included.

Attributes: BICS, EREG, FL, HUM

FL 102 - Elementary Foreign Language II - 4 (FS)

Continuation of 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Prerequisites: FL 101.
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

FL 111A - Introduction to Foreign Studies French - 3 (aF)

Overview of language, development of literature, and cultural institutions of French.

Attributes: BHUM, EGC, HUM

FL 111B - Introduction to Foreign Studies German - 3 (FS)

Overview of language, development of literature, and cultural institutions of German.

Attributes: BHUM, EGC, HUM

FL 111C - Introduction to Hispanic Civilization - 3 (FS)

Introduction to the milestones of the Hispanic civilization. IAI Course H2 903N

Attributes: BHUM, EGC, IAH

FL 111D - Introduction to Foreign Studies Chinese - 3 (S)

Overview of language, development of literature, and cultural institutions of China. Taught in English.

Attributes: BHUM, EGC, HUM

FL 111E - Introduction to Foreign Studies: The French Speaking World - 3 (F)

Overview of French colonization in Africa, Asia, North America, and the Caribbean; the decolonization experience; and cultural and ethnic diversity in France today.

Attributes: BHUM, EGC, HUM

FL 121 - Learning Another Language - 3

Systematic methods for learning foreign language presented through lectures and practical exercises.

Attributes: BICS, HUM

FL 201 - Intermediate Foreign Language I - 4

Continued practice in listening, speaking, reading, and writing. Grammar review. Cultural and literary readings, compositions. Lab included.

Attributes: HUM
Prerequisites: FL 102.
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

FL 202 - Intermediate Foreign Language II - 4

Continuation of 201, 1. Lab included.

Attributes: HUM
Prerequisites: FL 201.
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

FL 220 - Brazilian History through Film - 3

This course surveys the history of Brazil from colonial times to the present as represented in Brazilian films released after the 1980s.

Attributes: BHUM, EGC

FL 345 - Literature in Translation - 3 (aS)

Works of major authors. May count for major or minor credit in FL with permission of the department and term paper in target language.

Attributes: EGC, HUM

FL 390 - Readings - 3

Selected works of representative authors in student's field of interest. Offered in French, German, Italian, Russian, Spanish, Latin, and Greek. Primarily for students with no foreign language concentration, but may be taken for credit in Foreign Language concentration with consent of instructor. Requires consent of instructor.

Attributes: HUM
Prerequisites: (GER 202 OR ITAL 202 OR SPAN 202 OR FR 202 OR RUSS 202).
Registration Consent: Instructor

FL 3SIU - SIU Shared Course - 1 to 5

This course is for SIUE students who are enrolled in the SIU System Online Course Sharing program.

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.
Registration Consent: Registrar

FL 486 - Methods for Teaching Foreign Languages PK-12 - 3 (F)

Practical study of second language acquisition, cognitive variations, instructional methodologies, and assessment in foreign language classroom.

Required for state teacher certification of all majors intending to teach foreign language in PK-12 schools.

Attributes: HUM
Prerequisites: (FR 301 OR GER 301 OR SPAN 301).

FL 491 - Cultural & Language Workshop: Italian, Chinese, Russian, etc. - 3 to 6 (S)

Comparative or contrastive linguistics, advanced methodology and techniques. In-depth study of foreign cultures; and travel-study abroad. Supervised projects in foreign studies. May be repeated to a maximum of 6 hours provided no topic is repeated.

Attributes: EGC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

French (FR)

FR 101 - Elementary French I - 4 (F)

Listening, speaking, reading and writing. Culture of French-speaking countries. Lab included.

Attributes: BICS, EREG, FL, HUM

FR 102 - Elementary French II - 4 (S)

Continuation of French 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Prerequisites: FR 101.

FR 201 - Intermediate French I - 4 (F)

Continued practice in listening, speaking, reading, and writing. Grammar review; cultural and literary readings; and compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: FR 102 OR FR 104.

FR 202 - Intermediate French II - 4 (S)

Continuation of 201. Lab included. IAI Course H1 900.

Attributes: BICS, FL, HUM, IAH
Prerequisites: FR 201.

FR 301 - Advanced French - 4 (F)

In-depth grammar review. Composition and conversation. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: FR 202.

FR 302 - Advanced French - 4

Selected topics in grammar, readings, and composition. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: FR 301.

FR 305 - Translation - 3

Written translation of selected passages, alternating between English and French. Development of precision and clarity in both languages.

Attributes: BICS, HUM
Prerequisites: FR 202.

FR 311 - Contemporary France - 3 (F)

Significant aspects of French culture.

Attributes: BHUM, EGC
Prerequisites: FR 202.

FR 312 - Quebecois Culture & Literature - 3

Culture, literature, society of Quebec, exploring the distinct identity of this officially French-speaking province, an example of multicultural coexistence in a North American context.

Attributes: BHUM, EGC
Prerequisites: FR 202.

FR 320 - Advanced French Conversation - 3

Practice in advanced-level conversation. Focus on pronunciation and fluency. Requires completion of stated prerequisite or instructor permission.

Attributes: BICS, EGC, HUM
Prerequisites: FR 202.

FR 351 - Survey of French Literature: Middle Ages Classicism - 3

Representative prose, poetry, and drama: 11th through 17th centuries.

Attributes: BHUM, EGC
Prerequisites: FR 202.

FR 352 - Survey of French Lit: Enlightenment to Present - 3

Representative prose, poetry, and drama: 18th through 20th centuries.

Attributes: BHUM, EGC
Prerequisites: FR 202.

FR 377 - French Culture through Cinema - 3

Students develop their French language skills and their knowledge of French culture through discussion and analysis of selected films.

Attributes: BHUM, EGC
Prerequisites: FR 201 Minimum Grade of C AND FR 202 Minimum Grade of C.

FR 400A - Senior Essay in French - 2 (F)

Supervised research of an extensive scholarly paper in French. Not for graduate credit. Requires foreign language advisor approval.

Attributes: HUM
Prerequisites: FR 202.
Registration Consent: Advisor

FR 400B - Senior Essay in French - 2 (S)

Supervised preparation of an extensive scholarly paper in French. Not for graduate credit. Requires foreign language advisor approval.

Attributes: HUM
Prerequisites: FR 202.
Registration Consent: Advisor

FR 402 - Business French - 3

Oral and written business expression; specialized terminology and idioms. Not for graduate credit.

Attributes: BICS, EGC, HUM
Prerequisites: FR 301.

FR 454 - Selected Topics in Literature - 3

Selected topics in literature or literary criticism. May be repeated to a maximum of 6 hours provided that no topic is repeated.

Attributes: HUM
Prerequisites: FR 301.

FR 491 - Cultural and Language Workshop French - 3 to 6

Comparative or contrastive linguistics; advanced methodology; and techniques. In-depth study of foreign cultures, and travel-study abroad. Supervised projects in French. May be repeated to a maximum of 6 hours provided that no topic is repeated.

Attributes: EGC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

FR 499 - Readings in French - 3 (FM)

Selected areas of language, literature, and culture. Individual work or small groups supervised by one or more members of French faculty.

Attributes: HUM
Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

First Semester Transition (FST)

FST 101 - Succeeding & Engaging at SIUE - 1 (FS)

Helps students transition to college, with a focus on preparing for college level academic work and becoming an engaged member of the SIUE community.

Restrictions: Must be enrolled in one of the following Classifications: Freshman, 1st Semester; Freshman

General Business Admin (GBA)

GBA 151 - Entrepreneurship Fundamentals - 3

This course introduces students to the fundamentals of entrepreneurship, guiding them through the process of identifying market opportunities and developing a viable business model.

GBA 152 - Financial Literacy - 3

This course covers the history of money and helps students understand how history, society and culture affect our financial decisions.

GBA 301 - Business Transitions I: Planning for Success - 1 (FS)

School of Business orientation; development of professional skills; introduction to and practice of business knowledge, interpersonal skills and integration of knowledge and skills.

Restrictions: Must be enrolled in one of the following Majors: Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Levels: Undergraduate, Must be enrolled in one of the following Colleges: School of Business

GBA 383 - Business and Society - 3 (FS)

Provides a broad background of normative and descriptive theories of ethical behavior and corporate social responsibility to enhance decision making

Attributes: BSS, EGC, EREG, ERGU, IS
Prerequisites: Complete all Foundations Requirements and MGMT 330 (concurrency allowed) and MGMT 331 (concurrency allowed).
Restrictions: Must be enrolled in one of the following Colleges: School of Business

GBA 398 - Business Internship - 0 (FMS)

Practical work activity with an outside organization providing students with the opportunity to apply conceptual knowledge in the workplace. Enrollment is through the Career Development Center. Students will receive a grade of pass/no credit.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman
Registration Consent: Instructor

GBA 399 - Business Cooperative Education - 0 (FMS)

Supervised work experience with an organization utilizing business skills. Formal enrollment in approved co-op course through Career Development Center. Students receive grade of pass/no credit.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

GBA 402 - Business Transitions II: Commitment Beyond College - 1 (FS)

Transition to professional business environment including job search, graduate school, and networking. Reinforcement, reflection, and integration of business knowledge and interpersonal skills.

Restrictions: Must be enrolled in one of the following Majors: Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Levels: Undergraduate, Must be enrolled in one of the following Colleges: School of Business

GBA 488 - Business Internship - 3 (FMS)

Individualized learning experience designed to connect student classroom learning to professional employment setting . Provides practical experience in the Business field to provide application of theory to actual problems in a non-classroom situation. Minimum 120 hours of on-site work.

Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

GBA 489 - Study Abroad - 1 to 15 (MS)

Participation in school's exchange programs. Credit earned by completion of an approved plan of study at an exchange institution. May be repeated for a maximum of 30 hours undergrads & 15 hours for grads. Requires appropriate language competency, and approval by director of exchange programs.

Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

Geography (GEOG)

GEOG 111 - Introduction to Geography - 3 (FMS)

Examines physical and human geographic principles in order to understand the spatial distribution of both physical attributes and human activities and their interrelationships.

Attributes: BSS, EGC, EL

GEOG 118 - Introduction to Geospatial Technologies - 3

Introduction to the principles and applications of various geospatial technologies, including global positioning system, cartography, geographic information system, and remote sensing.

Attributes: BICS, EL

GEOG 201 - World Regions - 3 (FMS)

Survey of major world areas in terms of population, settlement, and related human occupancy patterns.

Attributes: BSS, EGC, EREG

GEOG 202 - Natural Resource Management and Sustainability - 3 (FMS)

Examines the management, use, and sustainability of natural resources, including biodiversity, water, food, soil, and energy sources. Also considers issues in pollution and environmental degradation.

Attributes: BLS

GEOG 205 - Human Geography - 3 (FMS)

Geographic principles underlying the location and distribution of people and their activities in relation to the environment. IAI Course S4 900N.

Attributes: BSS, EGC, EL, IASS

GEOG 210 - Physical Geography - 3 (FMS)

Distribution and interrelation of Earth's physical elements. Selected topics include geodesy, climatology/meteorology, and landforms. IAI Course P1 909.

Attributes: BPS, EL, IAPS

GEOG 211 - Meteorology - 3 (FMS)

Introduction to weather controls and elements; and their relationship to human activities and human health; analysis and use of weather maps and forecasts.

Attributes: BPS, EH, EL

GEOG 300 - Population Geography - 3 (S)

Analysis of distribution, density, and migration of people. Related demographic theories dealing with environment and various socio-economic aspects.

Attributes: BSS, EGC, EH, EL

GEOG 301 - Economic Geography - 3 (aF)

Spatial patterns and distribution of economic activities, interaction processes, and location theory. IAI Course S4 903N.

Attributes: EGC, IASS, IS, SS
Prerequisites: Complete all Foundations Requirements.

GEOG 303 - Intro to Urban Geography - 3 (F)

Survey of human and environmental factors related to the distribution, interrelations, and internal spatial organization of cities.

Attributes: BSS

GEOG 311 - Atmospheric Hazards - 3

Causes, impacts, and policies related to hazards due to atmospheric phenomena, including hurricanes, tornadoes, windstorms, extreme temperature and precipitation events, and climate change.

Attributes: BPS
Prerequisites: GEOG 211 Minimum Grade of C

GEOG 314 - Climatology - 3 (S)

Survey of climatic controls and elements; classification systems; and distribution of resultant climatic regions. Relationships between climatic elements and landforms.

Attributes: PS
Prerequisites: GEOG 211

GEOG 315 - Geomorphology - 3 (F)

Processes and structures influencing the shape of the Earth's surface.

Attributes: PS

GEOG 316 - Introduction to Biogeography - 3 (S)

Survey of spatial and temporal distribution patterns of plants and animals. Includes environmental processes and historical factors affecting these patterns and their value to conservation.

Attributes: BLS
Prerequisites: GEOG 202 OR GEOG 210

GEOG 320 - Cartography - 3 (FMS)

Introduction to the making of maps, properties, design, and production. Use of topographic maps.

GEOG 321 - Quantitative Techniques - 3 (FMS)

Quantitative techniques used in solving geographic problems. The emphasis is on descriptive, inferential, and bivariate statistics.

Attributes: BICS, EL
Prerequisites: MATH 120 OR MATH 120E OR MATH 120I OR MATH 125 OR MATH 150 OR STAT 107 OR STAT 244

GEOG 322 - Air Photo Interpretation - 3 (S)

Methods and techniques used in interpreting aerial photographs for research in physical and social sciences. Requires completion of GEOG 320 or consent of instructor.

Prerequisites: GEOG 320

GEOG 330 - Geography of Europe - 3

Physical settings and geographic patterns of human activities with area descriptions of European countries and particular regions stressing human and environmental relationships.

Attributes: EGC, SS

GEOG 332 - Geography of Africa - 3

Physical settings and geographic patterns of human activities with area descriptions of African countries and particular regions stressing human and environmental relationships.

Attributes: EGC, SS

GEOG 333 - Geography of Asia - 3 (M)

Physical settings and geographic patterns of human activities with area descriptions of Asian countries and particular regions stressing human and environmental relationships.

Attributes: EGC, SS

GEOG 334 - Geography of Latin America - 3

Physical settings and geographic patterns of human activities with area descriptions of Latin American countries and particular regions stressing human and environmental relationships.

Attributes: EGC, SS

GEOG 335 - Geography of North America - 3 (aF)

Examination of physical settings and geographic patterns of human activities in the United States and Canada. Descriptions of particular regions stressing human and environmental relationships.

Attributes: SS

GEOG 401 - Geography of Development - 3 (aF)

Analysis of development in world regions including more developed countries and less developed countries. Emphasis on theories of development and issues associated with various levels of development.

Attributes: EGC, IS, SS
Prerequisites: Complete all Foundations Requirements.

GEOG 402 - Cultural Landscape - 3 (aF)

Identification and analysis, both objective and subjective, of the Earth as transformed by human action with emphasis on the contemporary situation. Field trip.

Attributes: BHUM

GEOG 403 - Advanced Urban Geography - 3 (S)

Selected topics in spatial patterns and processes of urbanization. Topics may include: planning, transportation, sustainability, society and culture, health, housing, global cities, and economic functions. May be repeated to a maximum of 9 hours. Prerequisite: GEOG 303 with minimum grade of C or better, or consent of instructor, or concurrent enrollment.

Attributes: BSS
Prerequisites: GEOG 303 Minimum Grade of C

GEOG 404 - Medical Geography - 3

This course examines medical geographic principles to understand the diversity of health around the world and the processes connecting them.

Attributes: SS
Prerequisites: GEOG 205 Minimum Grade of C
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

GEOG 405 - Geography of Food - 3 (aS)

Examination of food production and distribution. The relationship between food and culture from geographic perspective.

Attributes: EH, HUM
Prerequisites: GEOG 205
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

GEOG 406 - Political Geography - 3

Fundamental principles of geopolitics, geostrategic theory, electoral geography, and their application to the United States and other major world regions. Can be taken for graduate credit. Requires completion of stated prerequisite or consent of instructor.

Attributes: EGC, SS
Prerequisites: GEOG 205 Minimum Grade of C

GEOG 407 - Spatial Thinking & Behavior - 3 (aF)

This course examines how people understand, think about, and behave in space.

Attributes: BICS
Prerequisites: GEOG 205 Minimum Grade of C

GEOG 409 - Weather Forecasting - 3

Collection, display, and application of weather data for forecasting. Interpretation of weather maps, codes, and diagrams using basic meteorological principles to produce forecasts.

Attributes: PS
Prerequisites: GEOG 211 Minimum Grade of C

GEOG 410 - Soils - 3 (aF)

Formation processes, classification, distribution, use, and problems associated with Earth surface materials. Field trip.

Attributes: PS
Prerequisites: ESCI 111 Minimum Grade of C OR GEOG 210 Minimum Grade of C OR ENSC 220 Minimum Grade of C

GEOG 411 - Hydrology - 3 (F)

Hydrologic cycle, major stream systems, and uses of water resources and their relationships to quality and future supplies. Same as ENSC 411.

Attributes: PS
Prerequisites: MATH 120 OR MATH 120E

GEOG 412 - Groundwater Hydrology - 3 (S)

Study of groundwater: occurrence; physical and chemical properties; flow and flow system modeling relation to rock structure and lithology; and contamination of groundwater resources.

Attributes: PS
Prerequisites: CHEM 113 AND (MATH 120 OR MATH 120)

GEOG 416 - Conservation Biogeography - 3

Analysis of biogeography principles and conservation problems. Assess changes in biosphere distributions and extinction due to human activity. Evaluates strategies to maintain biodiversity. Field trips. Same as ENSC 445.

Attributes: BLS
Prerequisites: GEOG 316

GEOG 417 - River Landscapes - 3

Combines scientific understanding of river and watershed processes with ecological concepts to address rivers as comprehensive systems.

Attributes: BPS
Prerequisites: GEOG 210 or permission of Instructor or graduate admission to Geography.

GEOG 418 - Geographic Information Systems (GIS) - 3 (FS)

Concepts, basic theory, and principles of GIS using both Raster and Vector data models in a PC environment.

GEOG 420 - Interactive & Animated Cartography - 3

Investigate and develop alternatives such as interactive maps and map animation to traditional map representations such as static paper maps.

Prerequisites: GEOG 320
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

GEOG 421 - Digital Elevation Modeling - 3 (F)

Processing of digital elevation models and the generation of 3D renderings with digital orthophotos, satellite imagery, digital raster graphics, and/or other 3D features.

Prerequisites: GEOG 418
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

GEOG 422 - Remote Sensing and Digital Image Processing - 3 (F)

Concepts of remote sensing including air-photo interpretation, digital image preprocessing, and classification of satellite based imagery.

GEOG 423 - Computer Mapping - 3

Cartographic design techniques related to computer aided conversion, analysis, and presentation of data. Includes use of arc view, symbol perception, and map design. Requires consent of instructor.

GEOG 424 - Vector Based Geographic Information Systems (GIS) - 3 (S)

Examination of vector topology, digital map transformation, manipulation, analysis, and composition.

Prerequisites: GEOG 418

GEOG 425 - Raster Based Geographic Information Systems (GIS) - 3 (S)

In-depth study of cell-based (Raster) GIS concepts. Includes the development of cell based GIS models for addressing environmentally related issues.

Prerequisites: (MATH 120 OR MATH 120E OR MATH 120I OR MATH 125) AND GEOG 418

GEOG 426 - Field Study - 1 to 6

Field investigation of physical and cultural features of the environment. May be repeated to a max of 6 hours. Requires advanced standing or consent of instructor.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

GEOG 427 - Internship - 1 to 6 (FMS)

Work experiences in public or private agencies. May be repeated to a maximum of 6 hours.

Restrictions: Must be enrolled in one of the following Majors: Geography, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

GEOG 429 - Storm Chasing & Assessment Field Course - 3

Exposes students to the unique environments and hazards associated with local thunderstorms. Students will benefit from lecture and participation in event assessment. Requires consent of instructor.

Attributes: PS
Prerequisites: GEOG 409
Restrictions: Must be enrolled in one of the following Majors: Geography
Registration Consent: Instructor

GEOG 430 - Global Climate Change - 3

Addresses (a) the scope and controls of climate on various scales; (b) climate throughout history; and (c) addresses both contemporary and future global climate change.

Attributes: BPS
Prerequisites: GEOG 211 Minimum Grade of C AND GEOG 314 Minimum Grade of C

GEOG 431 - Web-based Online Mapping Using ArcGIS API for JavaScript - 3 (M)

Concepts of web-based online mapping services and map mashups; development of interactive map applications for use on the Internet using HTML, CSS, JavaScript, and ArcGIS API for JavaScript.

Attributes: BICS
Prerequisites: GEOG 320 Minimum Grade of C

GEOG 432 - Python Scripting in GIS - 3 (S)

Use of Python as a tool to automate geoprocessing tasks in the creation of maps, tools and add-ins in ArcGIS.

Prerequisites: GEOG 418 Minimum Grade of C OR Graduate level GEOG 418 Minimum Grade of C

GEOG 444 - Drones for Mapping and Communication - 3

This class will provide an overview of aspects related to unmanned aerial systems (UAS) operations for both environmental mapping and communication purposes. Topics will include: Basic aviation knowledge, current UAS regulations, flight control systems, UAS platforms/sensors, basic aerial mapping techniques, and aerial photography/videography for communications. Students will engage in classroom and field exercises and will gain hands-on experience with data collection using a variety of UAS. Field trips are required.

Registration Consent: Instructor

GEOG 451 - Topics in Human Geography - 3

Specific topics in human geography based on faculty expertise. May be repeated to a maximum of 6 hours.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Departments: Geography and GIS

GEOG 452 - Topics in Physical Geography - 3 (S)

Specific topics in physical geography based on faculty expertise. May be repeated to a maximum of 6 hours.

Attributes: PS
Restrictions: Must be enrolled in one of the following Majors: Geography, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

GEOG 453 - Topics in Regional Geography - 3 (aF)

Specific topics in regional geography based on faculty expertise. May be repeated to a maximum of 6 hours.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Geography, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

GEOG 454 - Topcs in Geographic Techniques - 3 (FS)

Specific topics in geographic techniques based on faculty expertise. May be repeated to a maximum of 6 hours.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Departments: Geography and GIS

GEOG 490 - Tutorial in Geography - 1 to 3 (SaF)

Individual and small group conferences with faculty to examine geographic topics. May be repeated to a maximum of 6 hours. Requires consent of adviser and instructor.

Registration Consent: Instructor and Advisor

GEOG 499A - Senior Assignment-Semester I - 2

Development of research project for senior assignment. In Semester 1, project topic is identified, and a proposal is submitted. Preparation for graduation. Semester 1 must be taken before Semester 2. Required for undergraduate graduation. Not for graduate credit.

Prerequisites: GEOG 321 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Geography, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

GEOG 499B - Senior Assignment-Semester II - 1

Research project for senior assignment. In Semester 2, students collect and analyze data based on their Semester 1 proposal. Results are presented in either a research paper or poster session. Semester 1 must be taken before Semester 2. Required for undergraduate graduation. Not for graduate credit.

Prerequisites: GEOG 499A Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Geography, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

German (GER)

GER 101 - Elementary German I - 4 (F)

Listening, speaking, reading and writing. Culture of German-speaking countries. Lab included.

Attributes: BICS, EREG, FL, HUM

GER 102 - Elementary German II - 4 (S)

Continuation of GER101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Prerequisites: GER 101

GER 201 - Intermediate German I - 4 (F)

Continued practice in listening, speaking, reading, and writing. Grammar review. Cultural and literary readings, compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: GER 102 OR GER 104

GER 202 - Intermediate German II - 4 (S)

Continuation of GER201. Lab included. IAI Course H1 900.

Attributes: BICS, FL, HUM, IAH
Prerequisites: GER 201

GER 301 - Advanced German - 4 (F)

In-depth grammar review. Composition and conversation. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: GER 202

GER 302 - Advanced German - 4

Selected topics in grammar, readings, and composition. Lab included.

Attributes: FL, HUM
Prerequisites: GER 301

GER 303 - German Language Structure - 3

Technical aspects of German language.

Attributes: BICS, HUM
Prerequisites: GER 202

GER 305 - Technical German - 3

Contrastive analysis. Reading skills in scientific and other technical fields.

Attributes: HUM
Prerequisites: GER 202

GER 311 - German Culture - 3

Significant aspects of German culture and their development and manifestation in contemporary Germany.

Attributes: EGC, HUM
Prerequisites: GER 202

GER 320 - Advanced German Conversation - 3

Practice in advanced-level conversation. Focus on pronunciation and fluency.

Attributes: BICS, EGC, HUM
Prerequisites: GER 202

GER 351 - Survey of German Literature: Middle Ages Romanticism - 3

Selected readings. Literary and cultural background.

Attributes: BHUM, EGC
Prerequisites: GER 202

GER 352 - Survey of German Literature: Realism to Present - 3

Selected readings. Literary and cultural background.

Attributes: BHUM, EGC
Prerequisites: GER 202

GER 400A - Senior Essay in German - 2 (F)

Supervised research of an extensive scholarly paper in German. Requires foreign language advisor approval.

Attributes: HUM
Prerequisites: GER 202
Registration Consent: Advisor

GER 400B - Senior Essay in German - 2 (S)

Supervised preparation of an extensive scholarly paper in German. Requires foreign language advisor approval required.

Attributes: HUM
Prerequisites: GER 202
Registration Consent: Advisor

GER 411 - German Civilization - 3

German-speaking areas of the world. Anthropological and social aspects of various cultures.

Attributes: EGC, HUM
Restrictions: Must be enrolled in one of the following Majors: Foreign Languages and Literature, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

GER 454 - Seminar - 2 to 4

Critical and analytical study of selected topics of German literature or literary criticism. May be repeated to a maximum of 4 hours provided that no topic is repeated.

Attributes: BHUM

GER 499 - Readings in German - 3 to 6 (SaF)

Selected areas of German language, literature, and culture. Individual or small group work supervised by one or more members of German faculty. May be repeated to a maximum of 6 hours provided no topic is repeated. Requires consent of instructor.

Attributes: HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

Greek (GRK)

GRK 101 - Introduction to Greek - 4 (aF)

Grammar and vocabulary of ancient Greek within context of Greek culture. Reading knowledge through texts adapted from classical authors. Lab included.

Attributes: FL, HUM

GRK 102 - Introduction to Greek - 4

Continuation of GRK 101.

Attributes: EGC, FL, HUM
Prerequisites: GRK 101

GRK 201 - Intermediate Greek - 4

Development of reading facility. Reading of selected masterpieces in history, poetry, and philosophy.

Attributes: FL, HUM
Prerequisites: GRK 102

GRK 202 - Intermediate Greek - 4

Continuation of GRK 201. IAI Course H1 900.

Attributes: FL, HUM, IAH
Prerequisites: GRK 102

GRK 499A - Readings in Ancient Greek: Development of Lexical & Structural Competence - 4

Development of lexical and structural competence. GRK499A, 499B, and 499C must be taken in sequence and are prerequisites to GRK499D, 499E,

or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit. Requires consent of instructor.

Attributes: HUM
Registration Consent: Instructor

GRK 499B - Readings in Ancient Greek: Continuation of GRK 499A - 4

Continuation of GRK 499A. Must be taken in sequence and are prerequisites to GRK 499D, 499E, or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit. Requires consent of instructor.

Attributes: HUM
Prerequisites: GRK 499A
Registration Consent: Instructor

GRK 499C - Readings in Ancient Greek: Selected Masterpieces of Literature - 4

Selected masterpieces of literature. GRK 499A, 499B, and 499C must be taken in sequence and are prerequisites to GRK 499D, 499E, or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit. Requires consent of instructor.

Attributes: HUM
Registration Consent: Instructor

GRK 499D - Readings in Ancient Greek: History - 4

History. GRK 499A, 499B, and 499C must be taken in sequence and are prerequisites to GRK 499D, 499E, or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Prerequisites: GRK 499A AND GRK 499B AND GRK 499C

GRK 499E - Readings in Ancient Greek: Poetry - 4

Poetry. GRK 499A, 499B, and 499C must be taken in sequence and are prerequisites to GRK 499D, 499E, or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Prerequisites: GRK 499A AND GRK 499B AND GRK 499C

GRK 499F - Readings in Ancient Greek: Philosophy - 4

Philosophy. GRK 499A, 499B, and 499C must be taken in sequence and are prerequisites to GRK 499D, 499E, or 499F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Prerequisites: GRK 499A AND GRK 499B AND GRK 499C

History (HIST)

HIST 101 - Introductory Topics in History - 3 (FMS)

Introductory topics such as: history of a specific geographic area, study of a single biographical figure, or thematic approaches to studying the past.

Attributes: BHUM

HIST 111A - History of Western Civilization I: Prehistory to 500 AD - 3 (FS)

111a, b, c-3 each History of Western Civilization (a) the western world from prehistory to the late Antique period (500 AD) IAI Course S2 902; (b) the western world from the Medieval period to the Enlightenment (500-1715) IAI Course S2 903; (c) the western world from the Enlightenment to the present (1715-Present).

Attributes: BSS, EGC, EL, EREG, IASS

HIST 111B - History of Western Civilization II: 500-1715 - 3 (FS)

111a, b, c-3 each History of Western Civilization (a) the western world from prehistory to the late Antique period (500 AD) IAI Course S2 902; (b) the western world from the Medieval period to the Enlightenment (500-1715) IAI Course S2 903; (c) the

western world from the Enlightenment to the present (1715-Present).

Attributes: BSS, EGC, EL, EREG, IASS

HIST 111C - History of Western Civilization III: 1715-Present - 3 (FS)

111a, b, c-3 each History of Western Civilization (a) the western world from prehistory to the late Antique period (500 AD) IAI Course S2 902; (b) the western world from the Medieval period to the Enlightenment (500-1715) IAI Course S2 903; (c) the western world from the Enlightenment to the present (1715-Present).

Attributes: BSS, EGC, EL, EREG

HIST 112A - World History to 1500 - 3 (FS)

Topics in world civilization before 1500. IAI Course S2 912N.

Attributes: BHUM, EGC, EREG, IASS

HIST 112B - World History: 1500 to Present - 3 (FMS)

Topics in world civilization 1500 to the present. IAI Course S2 913N.

Attributes: BHUM, EGC, EREG, IASS

HIST 130A - History of Black America: to 1865 - 3 (FS)

Examines the diverse historical experiences of African Americans, from their origins in Africa to the end of the Civil War.

Attributes: BSS, EL, ERGU, EUSC

HIST 130B - History of Black America: 1865 to the present - 3 (FS)

Examines the diverse historical experiences of African Americans beginning with the period following the Civil War and continuing until the present time.

Attributes: BSS, EL, ERGU, EUSC

HIST 133 - A History of Magical Creatures - 3

A history of natural and unnatural creatures from around the world, from ancient times to the present.

Attributes: BHUM, EGC

HIST 1SIU - SIU Shared Course - 1 to 5

This course is for SIUE students who are enrolled in the SIU System Online Course Sharing program.

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.
Registration Consent: Registrar

HIST 200 - United States History through the Reconstruction Era - 3 (FMS)

Political, social, economic and constitutional development. IAI Course S2 900

Attributes: BSS, EL, ERGU, EUSC, IASS

HIST 201 - United States History since the Reconstruction Era - 3 (FMS)

Political, social, economic and constitutional development. IAI Course S2 901

Attributes: BSS, EL, ERGU, EUSC, IASS

HIST 210A - Early Asian History - 3

An historical and comparative exploration of major Asian civilizations, including China, India, and Japan. This course will focus on the evolution of critical religious, philosophical, economic, and political institutions.

Attributes: BHUM, EGC, EREG

HIST 210B - Comparative Asian Civilizations: 1600 to Present - 3

An historical and comparative exploration of major Asian civilizations, including China, India and Japan. This course will focus on the evolution of critical religious, philosophical, economic, and political institutions.

Attributes: BHUM, EGC, EREG

HIST 211A - History of Africa: Prehistoric to Colonial Times - 3 (F)

Covering topics in African history from human origins to 1885, including kingdoms on the Nile,

medieval travelers across the Sahara, and the slave trade. IAI Course S2 920N.

Attributes: BHUM, EGC, EREG, IASS

HIST 211B - History of Africa: Colonial Times to the Present - 3 (S)

Covering topics in African history from 1885 to the present, including empire, resistance, pan-Africanism, independence movements, and the Cold War. IAI Course S2 920N.

Attributes: BHUM, EGC, EREG, IASS

HIST 212A - Islamic History, 600-1800 - 3

Survey of the Muslim world from the rise of Islam through the "golden age" of science and literature to the advent of European colonialism.

Attributes: BHUM, EGC, EREG

HIST 212B - Modern Middle East - 3

The Middle East from 19th-century reforms and the end of Ottoman rule to new ideologies of the 20th century and the crises of the 21st.

Attributes: BHUM, EGC, EREG

HIST 213A - History of Latin America: From Pre-Columbian Civilizations to the Mid-Nineteenth Century - 3

Emphasis on history of Mexico, Brazil, Argentina, Chile, Peru, and Colombia. From pre-Columbian civilizations to the mid-19th century. IAI Course S2 920N.

Attributes: BHUM, EGC, IASS

HIST 213B - History of Latin America: From the Mid-19th Century to the Present - 3

Emphasis on history of Mexico, Brazil, Argentina, Chile, Peru, and Columbia. From mid-19th century until the present. IAI Course S2 920N.

Attributes: BHUM, EGC, IASS

HIST 300 - Special Topics - 3 (MS)

Single historical topic from areas of political, economic and social history. May be repeated to a maximum of 6 hours provided no topic is repeated.

Attributes: SS

HIST 301 - Historical Methods - 3 (FS)

Preparatory course for the capstone project (HIST 401), focused on historical methods, skills, and history as a disciplinary, community, or public practice.

Attributes: SS
Prerequisites: Complete 2 courses from HIST 300-499.
Restrictions: Must be enrolled in one of the following Majors: History, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

HIST 302 - Ancient Egypt - 3

Civilization of ancient Egypt from prehistoric through Greco-Roman period.

Attributes: BSS, EGC, EREG

HIST 304 - History of Greece - 3

From origins of ancient Greece to 30 B.C. Course replaces HIST 338A and 338B.

Attributes: BSS, EGC, EREG

HIST 306 - Ancient Rome: From Republic to Empire - 3

History of Rome from 752 BCE to 500 CE. Exploration of social structure, politics, religion, gender, military, spectacles, cities and towns, literature and philosophy, and art and architecture.

Attributes: BHUM, EGC, EREG, IS
Prerequisites: Complete all Foundations Requirements.

HIST 307 - History of Technology - 3

Explores history of human interaction with technology and the material world using in-depth case studies, emphasis on culture, politics, and business behind technological change.

Attributes: BHUM, IS
Prerequisites: Complete all Foundations

Requirements.

HIST 308A - Imperium & Christianity: Western Europe 300 - 1000 C.E. - 3

Rise of Christianity and formation of medieval society and institutions in western Europe from Constantine to decline of Carolingians.

Attributes: BHUM, EGC

HIST 308B - Medieval Conquests and Kingdoms: 1000 - 1500 C.E. - 3

Diversity of medieval experience in west, from rise of Papacy and crusades to Hundred Years' War.

Attributes: BHUM, EGC

HIST 309 - Topics in Applied Historical Methods - 3 (F)

Special topics that emphasize the skills and methods used by historians. Specfic content, skills, and methods dependent on topic.

Attributes: BSS

HIST 310 - Careers in History - 3 (S)

Explores various careers and settings in which historians work, evaluates opportunities in the field of history, and contributes to community history projects.

Attributes: BSS

HIST 313 - Monsters, Magic, and the Unnatural - 3

An exploration of human attempts to explain and understand the unknown through monsters, magic, and science.

Attributes: BHUM, EGC

HIST 320 - The Renaissance in Europe - 3 (S)

Origins and growth of the Renaissance after 1350, in the Italian city-states. Its subsequent spread to Northern Europe.

Attributes: BHUM, EGC, EREG

HIST 321 - Reformation Europe: 1500 - 1648 - 3 (F)

History of sixteenth-century Europe; social; political and cultural dimensions of Protestant and Catholic reformations; witch-hunts; scientific revolution; and wars of religion.

Attributes: BHUM, EGC, EREG

HIST 323 - Social Science Pedagogy - 3 (FS)

Designed only for History, Political Science, and Geography Education majors seeking secondary social science certification.

Attributes: SS
Prerequisites: HIST 112A Minimum Grade of C AND HIST 112B Minimum Grade of C AND (HIST 200 Minimum Grade of C OR HIST 201 Minimum Grade of C OR HIST 130 Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

HIST 326 - Antebellum American History, 1830-1860 - 3

Antebellum American History is a survey of the cultural, political, and social history of the United States in the thirty years before the Civil War.

Attributes: BHUM, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

HIST 330 - History of Illinois - 3 (S)

Political, social, economic and cultural history from earliest times to present.

Attributes: BSS, ERGU, EUSC

HIST 332 - Women, Health, and Science in History - 3

A history of women as patients, professionals, creators, and subjects of science and medicine worldwide.

Attributes: BSS, EGC, EREG, IS
Prerequisites: Complete all Foundations Requirements.

HIST 333 - Decolonizing Health and Science - 3

A global analysis of the contributions of BIPOC to health and science, and the role of exploitation and racism in the development of scientific knowledge.

Attributes: BHUM, EGC, EREG, IS
Prerequisites: Complete all Foundations Requirements.

HIST 337 - The Coming of the Civil War - 3 (aF)

In-depth examination of origins and causes of the sectional conflict that led to the American Civil War, with a focus on politics and slavery.

Attributes: BSS, ERGU, EUSC

HIST 338 - The Civil War and Reconstruction - 3

Explores the Civil War Era, 1848-1877, including causes, course, and consequences of the war. Major topics include slavery, emancipation, politics, military campaigns, and Reconstruction.

Attributes: BSS, ERGU, EUSC

HIST 340 - Black Freedom Movement: 1955 -1975 - 3

Civil rights and black power movements' dismantling of the old structure of American apartheid. Its transformation into advanced racism.

Attributes: BSS, EUSC
Prerequisites: HIST 130.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

HIST 354 - History of the Ottoman Empire, 1300-1924 - 3

The Ottoman Empire from pre-Islamic Turkish origins through its heyday as a European, Middle Eastern, and Islamic Empire to its demise during World War I.

Attributes: BSS, EGC, EREG

HIST 356B - History of China: 1644 to the Present - 3

Modern China: 1644 to present.

Attributes: BSS, EGC, EREG

HIST 358 - History of Japan - 3

Ancient times to present. Emphasis on feudal traditions, response to western impact, and modern transformation.

Attributes: BSS, EGC, EREG

HIST 400 - Topics in History - 3 (FS)

Selected topics such as biography of a major figure, recent theme in world history, etc. May be repeated for a maximum of 9 hours provided that no topic is repeated.

Attributes: SS

HIST 401 - Historical Research - 3 (FS)

Capstone course in which students create an original historical research project demonstrating disciplinary, community, or public practice.

Prerequisites: HIST 301 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: History

HIST 403 - Ancient Mesopotamia - 3

History and culture of ancient Mesopotamia and surrounding regions from CA. 10,000 B.C. to CA. 539 B.C.E.

Attributes: BSS, EGC, EREG

HIST 410 - Directed Reading - 1 to 3 (FS)

Supervised reading for students with sufficient background. Not for graduate credit. Requires consent of instructor. Repeatable for a maximum of 3 credit hours.

Attributes: SS
Registration Consent: Instructor

HIST 415 - Modern German History - 3

German history from 1871 to present including Germany under Bismarck, World War I, the Nazi period, World War II, division, and reunification.

Attributes: BHUM, EGC, EREG
Prerequisites: HIST 111B.

HIST 416 - World War I and Its Aftermath: 1914 - 1921 - 3

War's origins, course, and results; military action as well as political, social, economic, and cultural effect on home fronts, war and world revolution: 1917-1921.

Attributes: BSS, EREG

HIST 420B - European Social, Cultural & Intellectual History: French Revolution to Present - 3

French revolution to present.

Attributes: BSS, EGC

HIST 422A - Late Modern Europe: Vienna Congress to the Great War - 3

Vienna Congress to the great war.

Attributes: BSS, EGC
Prerequisites: HIST 111A.

HIST 422B - Late Modern Europe: World War I through World War II - 3

World War I through World War II.

Attributes: BSS, EGC
Prerequisites: HIST 111B.

HIST 422C - Late Modern Europe: Europe since World War II - 3

Europe since World War II.

Attributes: BHUM, EGC, EREG

HIST 423A - Trail of Tears: Native American History from Columbus to Removal - 3

Native American history to 1840. Investigation of disparate cultures in contact using historical and anthropological methods, with emphasis on Native American world views.

Attributes: BHUM, EGC, EUSC

HIST 423B - Indian Wars, Progressives and Casinos: Native American History from Removal to Present - 3

Native American history 1840 to present. Investigation of disparate cultures in contact using historical and anthropological methods, with emphasis on Native American world views.

Attributes: BHUM, EUSC

HIST 424 - History of the Holocaust - 3

The history of the Holocaust, the state sponsored murder of European Jews, and Nazi persecution of Roma, homosexuals, the disabled, and other groups deemed undesirable.

Attributes: BSS, EGC, EREG

HIST 425 - History of American Ideas 1620-1865 - 3

History of American Ideas 1620-1865 traces ideological conflicts and compromises that created the United States through the Civil War.

Attributes: BHUM, EUSC
Restrictions: Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior with Degree; Senior

HIST 427 - History of South Africa - 3 (FS)

Course will familiarize students with the major themes in the history of South Africa largely focusing on the period of sustained western contact from 1652 - present.

Attributes: BSS, EGC, EREG, EUSC

HIST 428 - Topics in European Women's Studies - 3

Selected topics in women's history. Course varies from semester to semester. May be repeated to a maximum of nine hours provided that no topic is repeated. Same as WMST 428.

Attributes: BHUM, EGC, EREG

HIST 430 - American Colonial History - 3

Founding of colonies in British America and their development to 1763.

Attributes: BSS, ERGU

HIST 431 - American Revolution and Constitution - 3

Conflicting forces and events that led to the American Revolution and to the Constitution.

Attributes: BSS

HIST 433 - American Slavery Through Biography - 3

This course uses biography and autobiography to examine slavery in the United States, and examine the difficulties and benefits of slave narratives as primary sources for writing history.

Attributes: BHUM, ERGU, EUSC
Prerequisites: HIST 130A Minimum Grade of C.

HIST 434 - Southern History in American Culture - 3

This course uses popular culture (film, television, music, etc.) to analyze how Southern history is presented in American culture.

Attributes: BHUM, ERGU, EUSC
Prerequisites: HIST 200 Minimum Grade of C OR HIST 201 Minimum Grade of C.

HIST 435 - History of the American Home - 3

Research and study of American vernacular architecture and landscape with a focus on site visits and engagement.

Attributes: BSS

HIST 439 - Aid to Africa: Humanitarianism and Development in African History - 3

This course explores the history of aid in Africa, beginning with systems of philanthropy existent in Africa before the arrival of Europeans, and continuing through the colonial period into the present, exploring such themes as the abolition movement, children, refugees, health, violence, and economic development programs.

Attributes: BSS, EGC, EREG

HIST 442 - Black Urban Experience - 3

Social, economic, and political history. Emphasizes community life and development, as well as race relations.

Attributes: BSS, EUSC

HIST 444 - The Civil War Era - 3

Exploring in-depth questions related to the era of the American Civil War. Seminar will emphasize shared inquiry through research and historiographical methods.

Attributes: BSS, ERGU, EUSC

HIST 446 - Editing History - 3

Editing History is an introduction to documentary editing. The course will produce a documentary edition of a historical primary source for publication.

Attributes: BHUM

HIST 447 - Oral History - 3 (aF)

Workshop course designed to provide practical experience conducting oral history interviews and to familiarize you with major issues in oral history.

Attributes: BSS, EGC

HIST 451 - Native Americans Encounter Lewis and Clark - 3 (M)

Investigates the Lewis and Clark expedition from American and especially Native American points of view.

Attributes: BHUM, EUSC

HIST 452 - Native American Women - 3

Investigates Native American gender roles, particularly women's roles, from an ethnohistorical perspective. Same as WMST 452.

Attributes: BHUM, EUSC

HIST 453 - Society and Culture of the Medieval Islamic World - 3

Social, cultural, and secular topics are the focus of our study of the Islamic world, 1000-1800 CE. Primary texts in English translations complement scholarly analyses.

Attributes: BHUM, EGC, EREG

HIST 470 - Public History - 3

Explores how history is communicated and practiced in public arenas, including museums, monuments, documentaries, cemeteries, and historic buildings.

Attributes: BSS

HIST 471 - Community Engaged Digital History - 3 (M)

This course is intended to offer an introduction to the rich and complex field of public and digital history.

Attributes: BSS

HIST 490 - Internship in History - 3 to 6 (FMS)

Professional experience in aspects of historical research, preservation, exhibition, and interpretation. May be repeated to a maximum of 6 hours. Enrollment by permission only.

Registration Consent: Instructor

Honors Scholars (HONS)

HONS 100 - On Education - 1 (S)

Examination of the nature of liberal education and its relation to work and living. Student-led discussion of issues.

Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 120 - Questions and the Spirit of Inquiry - 3 (F)

In-depth examination of big question of enduring human significance. Satisfies the NFS requirement.

Prerequisites: Corequisite: HONS 121.
Corequisites: HONS121
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Meridian Scholar

HONS 121 - Honors Rhetoric - 3 (F)

Advanced introduction to the practices and techniques of written and oral persuasion through different venues.

Prerequisites: Corequisite: HONS 120.
Corequisites: HONS120
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Meridian Scholar

HONS 200 - Globalization - 1 (S)

Examination of the world, its diversity and unevenness, providing a structure to link the local and the global. Student led discussion of issues. Prerequisite: HONS 100 with a grade of C or better.

Prerequisites: HONS 100 Minimum Grade of C or HST1 or HST3 attribute.
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 250 - Patterns in Human Endeavors - 3 (FS)

Uses the arts and humanities to examine connections between widely divergent times, spaces, cultures, forms of knowledge in order to strengthen the imagination.

Prerequisites: Complete HONS 120 with minimum grade of C and HONS 121 with minimum grade of C or HST1 or HST3 attribute.
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 300 - Special Topics - 1 (S)

Examination of a topic of pressing concern; topic chosen at least every four (4) years by honors students. Student led discussion of issue.

Prerequisites: HONS 100 Minimum Grade of C or HST1 or HST3 attribute..
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 320A - Interdisciplinary Problems in

Society and Culture - 3 (FS)

Seminar examining an enduring question or pressing contemporary problem in the social/behavioral sciences from an interdisciplinary perspective. Provides students an opportunity to apply their knowledge to the problem.

Attributes: IS
Prerequisites: HONS 250 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 320B - Interdisciplinary Problems in Science and Technology - 3 (FS)

Seminar examining an enduring question or pressing contemporary problem in the natural sciences/life sciences/technology from an interdisciplinary perspective. Provides students an opportunity to apply their knowledge to the problem.

Attributes: IS
Prerequisites: HONS 250 Minimum Grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar

HONS 420 - Honors Independent Study - 1 to 9 (F)

Advanced, independent study or research of specific interdisciplinary or integrative topics. May be repeated for up to 9 hours. Not for graduate credit. Requires approval of Director of University Honors Program.

Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar
Registration Consent: Dept Chair-Program Director

HONS 499 - Honors Capstone on Civic Life - 1 (FS)

Honors capstone experience. Provides honors students interdisciplinary feedback on their disciplinary senior assignments as well as the opportunity to take their disciplinary/professional work into the public, during the Honors Symposium. Prerequisite: HONS 100 with a grade of C or better.

Prerequisites: HONS 100 Mimimum Grade of C or HST1 or HST3 attribute..
Restrictions: Must be assigned one of the following Student Attributes: Honors Scholar; Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours; Meridian Scholar
Registration Consent: Advisor

Humanities (HUM)

HUM 230 - Introduction to Digital Humanities and Social Sciences - 3 (S)

Introduces students to several digital humanities and social sciences methods in context, including data visualization, data mining, digital archives, digital storytelling, digital editing, and GIS.

Attributes: BHUM, EL, IS
Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101E Minimum Grade of C OR ENG 101N Minimum Grade of C) AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C)

HUM 400 - Symposium in the Humanities - 3

Subjects not covered by the standard curriculum. May be repeated up to 6 hours. Credit toward concentration at the discretion of the department.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

HUM 430 - Digital Curation and Storytelling - 3

This course covers advanced topics in the theory, ethics, and practice of digital cultural heritage, including data visualization, text analysis, mapping, and digital storytelling.

Attributes: BHUM, IS
Prerequisites: Complete all Foundations

Requirements.

HUM 495 - Digital Humanities and Social Sciences Internship - 3 (MS)

Required of Digital Humanities and Social sciences minors, students work 10-14 hours per week with an approved internship partner.

Prerequisites: HUM 230 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Minors: Digital Humanities and Soc Sci
Registration Consent: Instructor

Industrial Engineering (IE)

IE 106 - Engineering Problem Solving - 3 (FMS)

Fundamental steps of problem definition, formulation, and solution approaches universal in all engineering disciplines. Basic skills of reasoning and logic. Case studies and small projects.

IE 198 - Industrial Manufacturing Engineering Work Experience I - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credits.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

IE 199 - Industrial Manufacturing Engineering Co-operative Education I - 0 (FMS)

First period of a five-year supervised academic/work experience with an agency or firm that uses engineers. Graded as satisfactory/unsatisfactory. Requires consent of the Chairperson/Program Director.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Dept Chair-Program Director

IE 298 - Industrial Manufacturing Engineering Work Experience II - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: IE 198.
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

IE 299 - Industrial Manufacturing Engineering Co-operative Education II - 0 (FMS)

Second period of a five year supervised academic/work experience with an agency or firm that uses engineers. Graded as satisfactory or unsatisfactory. Requires consent of the Chairperson/Program Director.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering, Must be enrolled in one of the following Classifications: Junior; Sophomore
Registration Consent: Dept Chair-Program Director

IE 335 - Introduction to Information Processing Systems - 3 (F)

Introduction to Python programming for engineering information processing and problem solving.

Prerequisites: CS 140 OR CS 145.
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering

IE 345 - Engineering Economic Analysis - 3 (FMS)

Introduction to engineering cost and decision analysis. Utilizing principles of economic analysis for choice of engineering alternatives and engineering systems. Requires upper division standing in engineering or consent of instructor.

Restrictions: May not be enrolled as one of the following Majors: Exploratory, Must be enrolled in one of the following Colleges: School of Engineering

IE 370 - Manufacturing Processes - 3 (F)

Properties of engineering metals and alloys, heat treatment, measurement and inspection, casting, forging, metal cutting, nontraditional machining processes, and cutting tools. Requires completion of stated prerequisites or consent of instructor.

Prerequisites: CE 242.
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering

IE 375 - 3-D Model in Product Design - 3 (FS)

Computer-aided product design process in computer integrated design and manufacturing environments, 3-D feature-based solid modeling, sketching, concurrent engineering.

IE 392 - Readings in Industrial Engineering - 1 to 6

Supervised reading in selected industrial engineering topics. Requires Junior standing in industrial engineering and consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

IE 398 - Industrial Engineering Work Experience III - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: IME 298 Minimum Grade of P OR IE 298 Minimum Grade of P.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

IE 399 - Industrial Engineering Co-operative Education III - 0 (FMS)

Third period of a five-year supervised academic/ work experience with an agency or firm that uses engineers. Graded as satisfactory or unsatisfactory. Requires consent of the chairperson/program director.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Dept Chair-Program Director

IE 415 - Operations Research Deterministic Models - 3 (S)

Linear programming; problem formulation; simplex algorithm; transportation and network problems; duality theory; and sensitivity theory. Requires completion of stated prerequisite or consent of instructor. Same as OR 440.

Prerequisites: MATH 250

IE 427 - Knowledge-Based Systems - 3 (M)

Engineering-oriented perspective on artificial intelligence (AI) technology. General AI concepts and specifically knowledge-based intelligent systems and machine learning applied to engineering problem-solving.

Prerequisites: CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C

IE 430 - Managing Engineering and Technology - 3 (M)

Management functions of planning; organizing, motivating, controlling, and analyzing application of these functions in engineering research, design, production, technical marketing, and project management. Requires Junior or Senior standing in IE.

Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering

IE 431 - Project Analysis and Control - 3 (M)

Examines the theories and best practices for completing projects on time, on budget, and to specification.

Restrictions: Must be enrolled in one of the following Classifications: Graduate; Junior; Senior with Degree; Senior, Must be enrolled in one of the following Colleges: School of Engineering

IE 445 - Foundations of Financial Engineering - 3

Financial engineering integrates computational intelligence, mathematical finance, numerical methods and computer simulations for pricing, trading, hedging, and investment decisions.

Prerequisites: IE 345 Minimum Grade of C AND STAT 380 Minimum Grade of C

IE 451 - Methods Design and Work Measurements - 3 (S)

Design of work systems. Methods and techniques employed in measuring work. Current philosophy underlying improvement in work methods and procedures used to measure work performed. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: STAT 380 OR IE 365

IE 458 - Human Factors Engineering - 3

Analysis of the limitations of humans in man-machine systems to increase productivity and meet physiological needs of system participants. Principles are applied through design problems. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 451

IE 461 - Operations Research Stochastic Models - 3 (S)

Probability models; elementary queuing theory with single or multiple servers. Markov processes and models; and decision theory. Same as OR 441.

Prerequisites: STAT 380 OR STAT 480A

IE 462 - Six Sigma, Quality and Process Improvement - 3 (F)

Provides a comprehensive understanding of the role and value of Six Sigma as an integrated approach to solving process-based problems in quality. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: STAT 380 with minimum grade of C; or Graduate Standing (GM).

IE 463 - Reliability Engineering - 3

Probabilistic models for the reliability of coherent systems. Statistical models for lifetimes of components and repairable systems. Reliability estimation and prediction. MIL standards. Same as STAT 484. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: STAT 480B Minimum Grade of C OR Graduate level STAT 480B Minimum Grade of C OR STAT 380 Minimum Grade of C OR IE 365 Minimum Grade of C

IE 464 - Design & Analysis of Experiments with Applications to Science and Engineering - 3 (S)

Design for experimentation and statistical inference with engineering and science applications. One-way, two-way classification; complete and incomplete block designs. Factorial and fractional factorial designs. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: STAT 380 Minimum Grade of C OR (STAT 480A Minimum Grade of C AND STAT 480B Minimum Grade of C)

IE 465 - Design & Control of Qual Sys - 3 (S)

Statistical process control techniques, determination of process capability, quality control using variable and attribute control charts, specs and tolerances, control variation, and acceptance sampling. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: STAT 380

IE 466 - Engineering Metrology - 3

Exposes the student to the principles associated with

dimensional measurement, inspection, measurement systems analysis, and geometric dimensioning and tolerancing.

Prerequisites: IE 370

IE 467 - Total Quality and Taguchi Methods - 3 (S)

Apply concepts and methods of quality improvement including total quality, quality function deployment, design of experiments, quality loss function, etc. Case studies and software tools. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 465

IE 468 - Operations Research Simulation - 3 (F)

Design of simulation models using a high level simulation programming language. Applications in production, inventory, queuing, and other models. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 461 Minimum Grade of C OR Graduate level IE 461 Minimum Grade of C OR STAT 380 Minimum Grade of C OR OR 441 Minimum Grade of C OR Graduate level OR 441 Minimum Grade of C.

IE 470 - Manufacturing Systems - 3 (S)

Design, control and analysis of manufacturing systems in various configurations such as single and multiple stations, manual and automated assembly lines, flow and job shop. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 370 AND STAT 380.
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering

IE 475 - CAD/CAM/CAE (Comp Aided Engr) - 3 (S)

Advanced 3-D solid and assembly modeling in computer-integrated design and manufacturing environments; parametric and associative modeling; and sketch modeling. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 375.

IE 476 - Plantwide Process Control - 3 (F)

A treatment of techniques in automated control. Digital, analog, open and closed loop controls are discussed. Students gain experience with PC data acquisitions and control.

Prerequisites: ECE 210 AND CS 145 OR CS 140.

IE 477 - Computer Integrated Manufacturing Systems - 3 (S)

Application of robot theory integrated with automated manufacturing systems. Emphasis on design laboratory exercises. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: (CS 145 Minimum Grade of C OR CS 140 Minimum Grade of C) AND (IE 470 Minimum Grade of C OR Graduate level IE 470 Minimum Grade of C) AND (IE 476 Minimum Grade of C OR Graduate level IE 476 Minimum Grade of C).

IE 483 - Production Planning & Control - 3 (F)

Development and applications of models and techniques for designing integrated production systems to manage material, service, and information flows in response to fluctuating market demands. (2 hours lecture, 2 hours laboratory). Requires senior standing in Industrial engineering or consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

IE 484 - Facilities Planning - 3 (F)

Theory and methods of facilities layout and planning emphasizing activity relationships; space requirements; materials handling and storage; plant layout; and facility location problems. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 415 AND IE 451
Restrictions: Must be enrolled in one of the following Colleges: School of Engineering

IE 488 - Lean Production Systems - 3 (S)

An integrated and holistic approach to efficient and synchronized production of goods and/or services with emphasis on work organization, manufacturing flow, process control, lean metrics, lean logistics and value stream mapping tools and techniques for lean manufacturing implementation. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: IE 483

IE 490 - Integrated Engineering Design - 3 (S)

Individual/ group laboratory or industrial projects of a research, design, or development nature which may apply to engineering systems. (2 hours lecture, 2 hours laboratory).

Prerequisites: IE 483 AND IE 484
Restrictions: Must be enrolled in one of the following Majors: Industrial Engineering,Mechanical Engineering,Manufacturing Engineering, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore; Visiting Student

IE 492 - Special Topics in Industrial Engineering - 1 to 6 (FS)

Selected topics of current interest in Industrial Engineering and related fields. May include individual research projects for students with honors standing.

Restrictions: Must be enrolled in one of the following Classifications: Master's Candidate; Junior; Senior; Visiting Student, Must be enrolled in one of the following Colleges: School of Engineering
Registration Consent: Instructor

Integrative Studies (INTG)

INTG 300 - Foundations of Integrative Studies - 3 (FS)

Designed to introduce students to the Integrative Studies degree as well as the process of integrative/interdisciplinary study and research.

Restrictions: Must be enrolled in one of the following Majors: Integrative Studies

INTG 499 - Senior Assignment - 3 (FMS)

Directed study toward completing the capstone experience. The capstone project can take various forms that include, but not limited to, a research paper, a research presentation, or creative activities.

Prerequisites: INTG 300 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Integrative Studies, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

International Studies (INTS)

INTS 200 - Essentials of International Studies - 3 (FS)

Introduces students to the interdisciplinary character of international studies and to acquaint them with the major trends and themes in global affairs today.

Attributes: EGC

INTS 400 - Internship in International Studies - 3 (FMS)

International Studies related supervised work experience. Minimum of 50 hours required.

Restrictions: Must be enrolled in one of the following Majors: International Studies, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

INTS 401 - Independent Project in International Studies - 3 (FMS)

Supervised reading or focused research project on a topic not regularly offered in the International Studies curriculum. May be repeated to a maximum of 6 hours.

Prerequisites: INTS 200 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: International Studies, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

INTS 499 - International Studies Senior Assignment - 3 (FS)

Independent research project in an area of

international studies that integrates linkages between areas of concentration and disciplinary foci of stsudy. Requires final presentation.

Prerequisites: INTS 200 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: International Studies, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

Interdisciplinary Studies (IS)

IS 302 - African-American Music & the Struggle For Freedom - 3

Study of the various styles of African-American music in relation to civil rights and other historical events that shaped African-American and American culture.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 303 - The Greatest Motion Pictures - 3 (MS)

An in-depth view of the films that have shaped motion picture history from the perspectives of the Theatre and Mass Communications disciplines.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student, May not be enrolled as the following Levels: Graduate

IS 305 - Native American Studies - 3 (S)

An examination of Native American studies from multiple disciplinary perspectives, such as anthropology, archaeology, history, philosophy, and/or political science.

Attributes: BHUM, EREG, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student, May not be enrolled as the following Levels: Graduate

IS 306 - Myth and Music - 3 (MS)

Exploration of myth and its musical manifestations through case studies of the myths of medieval Scandinavia and their appropriation by composer Richard Wagner among others.

Attributes: BHUM, EGC, IS, LIT
Prerequisites: Complete all Foundations Requirements.

IS 309 - Cultural History of Popular Music - 3

Through listening skills and historical analysis, explores the major local and global genres of popular music in relation to their cultural contexts, c.1930-present.

Attributes: EUSC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

IS 310 - Meditation and Mindfulness: Mind, Body and Society - 3 (F)

Using primarily Buddhist philsophies, we practice meditation and contemplations and apply a social justice lens to investigate our relationship with mind, body and society

Attributes: BSS, EH, IS
Prerequisites: Complete all Foundations Requirements.

IS 318 - Sustainability and Renewable Energy - 3

Topics include concept of sustainability, conventional and renewable energy systems including fossil fuels, nuclear, hydropower, solar, wind, ocean, and geothermal, energy efficiency, energy storage, and electric vehicles.

Attributes: BPS, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: Must be enrolled in one of the

following Classifications: Junior; Senior with Degree; Senior

IS 319 - Disability in America: Historical and Contemporary Issues - 3

Provides an overview of important historical and contemporary issues related to persons with disabilities in the United States.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

IS 320 - The History and Chemistry of Beer and Spirits - 3 (MS)

The production and consumption of beer and spirits have a history that shapes American society, culture, and economics today. Will use the production and consumption of beer and spirits as a way to study chemistry and history in an interdisciplinary fashion.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

IS 323 - History and Chemistry of Biofuels - 3

This course explores the chemistry of biofuels, including lab experiments. It also explores biofuels history, including politics and policies to promote biofuel use.

Attributes: EL, IS
Prerequisites: Complete all Foundations Requirements.

IS 324 - Peoples and Cultures of the East - 3 (FMaS)

Key organization principles; religious and philosophical norms; social customs; and aesthetic tastes of China, Japan, and other selected Asian nations. (History/Philosophy).

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 328 - History and Science - 3

Development of scientific questions in historical perspective, and relation of scientific concepts to development of culture; ancient Greece to present. (History/Physics)

Attributes: BSS, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 331 - Mind and Language - 3

A study of the relationship between thought and language from a variety of academic disciplines, which may include philosophy, linguistics, history, psychology, or speech communication.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 333 - Diversity, Culture, and Comic Books - 3 (FS)

In this course, students explore comic books. Discussions will concentrate on heroes, villains, diversity, writing, imagery, race and representation, creativity, multimodal literacy, and cultural identities.

Attributes: BHUM, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

IS 334 - Natural Resources: Issues & Conflicts - 3 (M)

American land resource conservation. Principles, practices and problems from the perspective of biology, geography, and earth science. (Biology/

Earth Science).

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 336 - Global Problems and Human Survival - 3 (FMS)

Threats to human survival from war, over-population, pollution, resource depletion, under-development, misuse of the oceans, and new technologies plus how to deal with these threats. (Anthropology/Philosophy)

Attributes: BSS, EGC, EREG, ERGU, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 340 - The Problem of War and Peace - 3 (S)

Basic concepts, historical background, causes of war, and perspectives of major nations; contemporary ideological, economic, military, political, and legal aspects; and proposals for controlling conflict. (History/Philosophy/Psychology)

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 342 - Death and Dying - 3

Individual and cultural confrontations with mortality; demographic patterns; coping with terminal illness; hospice care; bereavement; definition and determination; euthanasia; suicide; children; valuational aspects; and education. (Philosophy/ Public Health)

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 343 - Contemporary Health Care Issues - 3 (FMS)

Seminar: examination of contemporary health issues of diverse cultures across the lifespan. Discussion of global trends; and cultural, lifespan, and ethical aspects of each topic.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 344 - Global History of Nursing and Health Care - 3 (MS)

Survey of world history of nursing and health care from ancient to contemporary periods. Study of historical figures, development of professional nursing in U.S., and health care issues in contemporary world.

Attributes: EGC, EREG, ERGU, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

IS 353 - Representing Women's Bodies 0300 - 1500 - 3 (M)

Women's bodies in historical and present society. Investigates cultural discourses about women's bodies such as the need for transformation and perfection. Critical and feminist theory. Same as WMST-353

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 354 - Islam and Politics - 3

The central ideas and texts of Muslim political

thinkers and their relevance for the historical context of contemporary events in the Muslim world and beyond.

Attributes: BHUM, EGC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

IS 361 - Music: Art and Science - 3 (FS)

Relationship between science and art in music; pitch, overtones, scales, digital recording, and mathematical ratios in art and science.

Attributes: BPS, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 362 - Applied Foundations of Mathematics and Physics - 3

An exploration of fundamental problems raised by developments in mathematics and physics during the last two centuries as applied to students' particular areas of inquiry.

Attributes: BPS, IS
Prerequisites: Complete all Foundations Requirements.

IS 363 - Living Ecologically - 3

General principles of living system sustainability applied to organic chemicals, cell symbiosis, plants, animals, human families, cities, societies, and the world ecosystem.

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 364 - The Atomic Era: Hitler, the Holocaust & the Bomb - 3 (FM)

Political events leading to the emigration of European scientists to America before World War II; development of the atomic bomb; and political and social ramifications of the atomic era.

Attributes: EREG, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

IS 370 - History of Museums - 3 (F)

Examining the historic development of various museum types with an emphasis on site visits and critical engagement with the museum setting.

Attributes: BFPA, IS
Prerequisites: Complete all Foundations Requirements.

IS 372 - Understanding Violence in the Human Community - 3

Examines a number of theories as they related to a wide range of manifestations of violence in the human community.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior

IS 375 - Technology and Public Policy - 3

Seminar: examines competition between government and society over global economic, ethical, and moral impacts of science and technology on diverse groups.

Attributes: EGC, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

IS 376 - Information Technology and Society - 3

Investigation of social and ethical issues associated with information technology and its increasing importance in modern life. (Computer Science and Philosophical Studies).

Attributes: IS

Prerequisites: Complete all Foundations Requirements.

IS 380 - Broadway Beat: Am Mus Thea - 3 (MS)

This course will explore stylistic relationships in American Musical Theatre. Topics may include: lyrics, music, and movement.

Attributes: BFPA, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

IS 386 - Cyberarts: Exploring Fine Arts & Computer Technology - 3 (S)

Explores relationships between art and computer technology in graphics, music, video, and film. Out of class computer work. One university level computer course is strongly recommended. (Theatre and Dance/Computer Science)

Attributes: IS
Prerequisites: Complete all Foundations Requirements.

IS 387 - Philosophy and Modern Physics - 3

The course introduces the student to the dramatic connections among revolutionary developments that occurred throughout the twentieth century in philosophy, physics, and mathematics.

Attributes: BHUM, IS
Prerequisites: Complete all Foundations Requirements.

IS 399 - Interdisciplinary Studies - Special Topics - 3 (FMS)

Multi-subject selected topics that provide opportunities to observe and participate in the interaction of two or more disciplines. May be repeated for a maximum of 9 hours provided no topic is repeated.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.

IS 400 - History, Culture, and the Language of China - 3

A travel study course in Chinese language, history, and culture offered in China. (Foreign Languages/History).

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.

IS 402 - Spanish Language and Culture for Health Professionals - 3 (F)

Expand knowledge of Spanish language and culture with emphasis on preparing to work in health related fields.

Attributes: IS
Prerequisites: Complete all Foundations Requirements and SPAN 101 and 102.

IS 403 - Global Health - 3

Focuses on biological and psych-social-economic aspects of global health issues from a population perspective. Opportunity to work with other health professionals to address challenges.

Attributes: EH, IS
Prerequisites: Complete all Foundations Requirements.
Registration Consent: Instructor and Advisor

IS 444 - Deconstructing Race, Class and Gender in the Media - 3

We are asking basic questions about media messages: Who tends to have power in the media? Who tends to be silenced? What messages are we learning about democracy and how to be good citizens? How is media used to support or disrupt gender, racial and class oppression? MC majors may not use the class to fulfill there IS requirement.

Attributes: IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as one of the following Majors: Mass Communications

Instructional Technology (IT)

IT 100 - Digital Learning in the University - 3

This course focuses both on digital production skills and learning strategies that enable students to learn

more effectively in today's university.

Attributes: BICS

IT 300 - Digital Learning and Communication for Educators - 3 (FS)

The integration of digital tools into the K-12 curriculum. Focuses on related instructional and communication strategies, as well as various digital tools.

Attributes: BICS

IT 410 - Media in Instruction - 3

Designing lessons with multi-sensory approach. Demonstrations and hands-on experiences with audio, video projection, and computer equipment. Emphasis on software evaluation and utilization.

IT 430 - Computer Based Publishing & Instruction - 3 (FS)

Opportunities to work with various computer hardware and software systems to prepare instructional materials. Emphasis is placed on design and production of effective instructional materials.

IT 435 - Producing Instructional Materials - 3

Development of instructional products which integrate various digital media. Emphasis on production, visual communication, graphics, authoring environments, and evaluation of instructional software. Prerequisite: Consent of department chair or program director.

IT 442 - Media Selection - 3

Analysis and criteria for selecting aids and reviewing sources. Includes principles and theories of library media selection, assessment and policy for library media collection development.

Registration Consent: Instructor

IT 443 - Instructional Media For Children and Young Adults - 3

Media for preschool children and young adults. Includes comparison and evaluation of major writers, artists, illustrators and designers of media and identification of established genres.

Registration Consent: Instructor

IT 448 - Cataloging for School Librarians - 3

Principles and skills of cataloguing all types of materials, including the use of bibliographic records, Dewey Decimal classification, and Library of Congress Subject Headings.

Registration Consent: Instructor

IT 450 - Using Video For Instruction - 3

Instructional television as medium for learning. Emphasis on delivery systems including commercial, public, and satellite programs; and teacher-produced instructional sequences.

IT 481 - Computers in Education: Theory and Practice - 3 (F)

Research on and effective methods for using computers in an educational setting and a systematic framework for integrating computers into the curriculum.

IT 486 - Web Design for Instruction - 3 (S)

Web design concepts for educational settings including usability concepts, web style criteria, interaction and instructional strategies; and legal/ethical issues related to web development. Requires consent of department chair or program director.

IT 490 - Special Topics - 1 to 6

Varied content. Topics of immediate concern in instructional technology field. May be repeated up to 6 hours as long as no topic is repeated.

Italian (ITAL)

ITAL 101 - Elementary Italian I - 4 (F)

Listening, speaking, reading and writing within context of Italian culture.

Attributes: BICS, EREG, FL, HUM

ITAL 102 - Elementary Italian II - 4 (S)

Continuation of ITAL 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM

ITAL 201 - Intermediate Italian I - 4 (F)

Continued practice in listening, speaking, reading and writing. Grammar review. Cultural and literary readings and compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: ITAL 102 OR ITAL 104 .

ITAL 202 - Intermediate Italian II - 4 (S)

Continuation of 201. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: ITAL 102.

ITAL 499 - Independent Study in Italian - 2 to 6

Selected areas of language, literature, and culture. Individual work or small groups supervised by Italian faculty.

Attributes: HUM
Prerequisites: ITAL 202.

Kinesiology (KIN)

KIN 118 - Bowling - 1 (F)

Basic technique, skill development, and scoring for beginning bowler.

KIN 155 - Advancing Cougar Excellence - 3 (F)

Give freshman student athletes the information they need to successfully navigate through their first year at SIUE. This course is a combination of college life skills and sport psychology skills training.

Restrictions: May not be enrolled as the following Classifications: Junior; Senior with Degree; Sophomore; Senior, Must be enrolled in one of the following Levels: Undergraduate
Registration Consent: Advisor

KIN 200 - Selected Fitness Activities - 2 (FS)

Instruction and participation in a variety of fitness-related activities.

Attributes: EH

KIN 203 - Fitness and Sport Activities - 2 (FS)

Components and principles of fitness applied to various activities.

Attributes: EH

KIN 204 - Jogging to Fitness - 2 (FS)

Aerobic running.

Attributes: EH

KIN 205 - Personal Shape Up - 2 (FS)

Assessment and individualized program.

Attributes: EH

KIN 207 - Weight Training - 2 (FS)

Free weights and exercise machines.

Attributes: EH

KIN 211 - Medical Terminology - 3 (FMS)

Learn to read and comprehend original research, medical reports, and health/fitness evaluations related to prefixes, suffixes, and word roots of medical terms.

KIN 220 - Selected Sport Activities - 2 (S)

Instruction and participation in a variety of popular sports.

KIN 230 - Selected Aquatic Activities - 2

Instruction and participation in a variety of aquatic experiences.

KIN 243 - Leisure Activities - 2 (FS)

Self-directed leisure activities with emphasis on individual planning and programming for individual/dual and non-competitive activities.

Attributes: EH

KIN 270 - Personal Wellness - 3 (FS)

Assist in developing an understanding and

appreciation for personal wellness as a lifestyle through lecture and fitness activity. Does not meet teacher education health requirement.

Attributes: EH

KIN 275 - Introduction to Careers in Nutritional and Exercise Sciences - 3 (FMS)

Course content will include historical and theoretical foundations and an introduction to current practices and professional opportunities within the fields of nutritional and exercise sciences. Prerequisite: Cumulative GPA of 2.5.

Prerequisites: Cumulative GPA of 2.5 or greater.

KIN 308 - Human Development Across the Lifespan - 3 (FS)

Comprehension study of the theories, concepts, and Empirical research which investigate human development from conception to death. Topics include cognitive, personality, social, and emotional.

Attributes: SS
Restrictions: Must be enrolled in one of the following Departments: Applied Health, Must be enrolled in one of the following Levels: Undergraduate

KIN 310 - Exercise Psychology - 3 (FMS)

Designed to provide an overview of the major psychological determinants and consequences of exercise and its impact on public health.

Attributes: SS
Prerequisites: KIN 275 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Exercise Science,Exercise and Wellness,Exercise and Sport Psychology

KIN 315 - Functional Anatomy - 3 (FMS)

Structural and functional basis of human performance.

Attributes: LS
Prerequisites: BIOL 240A Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 316 - Biomechanics of Human Movement - 3 (FS)

Mechanics applied to physical performance; analysis of selected movements, and the application of physical principles to the musculoskeletal system. Two hours lecture and two hour laboratory per week.

Attributes: LS
Prerequisites: KIN 315 (concurrency allowed).
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology,Physical Education Teacher Ed

KIN 319 - Theory and Techniques in Strength and Conditioning - 3 (FS)

Student will learn the basic exercise physiology concepts and exercise techniques required to successfully pass nationally recognized personal training certification exams.

Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness

KIN 321 - Introduction to Musculoskeletal Injury and Rehabilitation - 3 (S)

Overview of basic musculoskeletal injuries, dysfunctions and rehabilitation. Course is designed for pre-allied health and fitness professionals.

Attributes: LS
Prerequisites: KIN 315 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science

KIN 330 - Integrating Health and Physical Education into the K-8 Curriculum - 3 (F)

This course will provide students with an opportunity to understand and implement children's play, health, and physical activity as components of the elementary/middle school curriculum.

Prerequisites: CIED 100 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Elementary Education
Registration Consent: Advisor

KIN 334 - Early Childhood Physical Education - 3 (FaS)

Movement skill activities and analysis related to motor development in young children. Includes planning and teaching of developmentally appropriate physical activities.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology,Exercise and Sport Psychology,Physical Education Teacher Ed

KIN 340 - Organization and Management of Exercise and Wellness Facilities - 3 (FMS)

Theoretical and practical aspects of selected organization and management procedures which relate to the development, implementation, operation, and evaluation of exercise and wellness facilities.

Restrictions: Must be enrolled in one of the following Majors: Exercise Science

KIN 350 - Exercise Physiology - 3 (FMS)

Examination of the scientific theories behind the body's responses to exercise. Topics will include exercise metabolism, respiration, circulation, neuromuscular, hormonal, and environmental influences on exercise.

Attributes: LS
Prerequisites: BIOL 240B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness

KIN 355 - Sports Nutrition and Supplementation - 3 (FS)

(Crosslisted with NUTR 355) In-depth review of the leading research and effective practices in sport nutrition and supplementation. Focus on increasing athletic performance during training and competition.

Prerequisites: NUTR 250 Minimum Grade of C OR NUTR 319 Minimum Grade of C OR KIN 350 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Exercise Science,Exercise and Wellness,Exercise and Sport Psychology

KIN 373 - Sport Psychology - 3 (S)

Examines the application of psychological theory, research methods, and intervention techniques in the realm of sport and physical activity.

Attributes: SS
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Sophomore; Senior

KIN 401 - Sport Medicine and Rehabilitation Psychology - 3 (F)

Provides overview of the psychological issues associated with the field of sport medicine and injury recovery.

Attributes: EH
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Sophomore; Senior

KIN 412 - Biology of Cardiovascular and Metabolic Disease - 3 (FMS)

Molecular bases of human diseases related to cardiovascular, diabetes, hypertension, and obesity. Relationship between cellular pathways, diseases, and treatment effects. Not for graduate credit.

Attributes: LS
Prerequisites: KIN 350 Minimum Grade of C OR NUTR 319 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 416 - Exercising Assessment/Programming

- 3 (FMS)

Introductory course to the theoretical and practical concepts of exercise assessment, interpretation, and prescription. Not for graduate credit.

Prerequisites: KIN 350 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 417 - Exercise for Special Populations - 3 (FMS)

Using the ACSM guidelines, exercise benefits and risks for special populations related to age, gender, and individuals with health complications and disabilities will be discussed.

Prerequisites: KIN 350 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Exercise Science,Exercise and Wellness,Exercise and Sport Psychology

KIN 418 - Exercise Epidemiology - 3

Effects of physical activity on cardiopulmonary, metabolic, and other hypokinetic diseases. Students will gain an understanding of current evidence-based interventions that improve health. Not for graduate credit.

Attributes: LS
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 426 - Cardiac and Pulmonary Rehabilitation - 3 (FMS)

This course will cover theory and common practice for the assessment and treatment of patients with cardiac and pulmonary diseases.

Attributes: LS
Prerequisites: KIN 350 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 460 - Internship in Exercise/Wellness - 1 to 9 (FMS)

Supervised 200 hour internship placement in professional settings appropriate for student career interests. This course may be repeatable up to 9 credit hours for clinical experience requirements for professional certifications. Not for graduate credit. Prerequisite: 2.75 GPA (overall), active American Red Cross CPR/First Aid/AED training, and grade of C or better in KIN 416.

Prerequisites: 2.75 GPA (overall), Active American Red Cross CPR/First Aid/ AED training, and KIN 416 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology
Registration Consent: Instructor

KIN 464 - Senior Assignment in Exercise Science - 3 (FMS)

Capstone senior project that is designed to integrate the cumulative knowledge, skills, and abilities from the exercise science curriculum into an impactful community based project.

Prerequisites: KIN 416 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology

KIN 480 - Independent Study - 1 to 4 (FS)

Individual investigation of a topic to be agreed upon by the instructor. May be repeated for a maximum of 4 hours so long as topics vary. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise

Bhvr.,Kinesiology,Kinesiology
Registration Consent: Instructor and Advisor

KIN 490 - Selected Topics in Applied Kinesiology - 1 to 4

Theory and practice in topical areas such as exercise physiology; biomechanics; sport psychology; exercise psychology; skill teaching; and fitness assessment. May be repeated to a maximum of 6 hours provided no topics are repeated.

Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology
Registration Consent: Instructor and Advisor

KIN 499 - Individual Research - 1 to 4 (FS)

Selection, investigation, and writing of research paper under supervision of instructor. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Exercise Science,Exercise and Wellness,Kin. - Exercise Physiology,Kinesiology,Kin. - Pedagogy/Administration,Kin. - Sport and Exercise Bhvr.,Kinesiology,Kinesiology
Registration Consent: Instructor and Advisor

Latin (LAT)

LAT 101 - Introduction to Latin - 4 (F)

Grammar and vocabulary of classical Latin within context of Roman culture. Reading knowledge through texts adapted from classical authors. Lab included.

Attributes: FL, HUM

LAT 102 - Introduction to Latin - 4 (S)

Continuation of LAT 101. Lab included.

Attributes: EGC, FL, HUM
Prerequisites: LAT 101

LAT 201 - Intermediate Latin - 4 (F)

Basic principles. Reading selections from classical, medieval, and renaissance periods. Lab included.

Attributes: FL, HUM
Prerequisites: LAT 102

LAT 202 - Intermediate Latin - 4 (S)

Continuation of LAT 201. Lab included.

Attributes: FL, HUM
Prerequisites: LAT 102

LAT 499A - Readings in Latin: Learning Language - Selections from Classical, Medieval, and Renaissance Latin - 4

Learning language through selections from classical, medieval, and renaissance Latin. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E, or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated

Attributes: HUM
Registration Consent: Instructor

LAT 499B - Readings in Latin: Continuation of LAT 499A - 4

Continuation of A. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E, or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit. Requires consent of instructor.

Attributes: HUM
Registration Consent: Instructor

LAT 499C - Readings in Latin: Continuation of LAT 499B - 4

Continuation of B. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E, or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit. Requires consent of instructor.

Attributes: HUM
Registration Consent: Instructor

LAT 499D - Readings in Latin: Second-Year

Level/Content Varies - 4

Second-year level. Content varies with instructor. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E, or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Registration Consent: Instructor

LAT 499E - Readings in Latin: Second-Year Level/Content Varies - 4

Second-year level. Content varies with instructor. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E, or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Registration Consent: Instructor

LAT 499F - Readings in Latin: Second-Year Level/Content Varies - 4

Second-year level. Content varies with instructor. LAT 499 A, LAT 499 B, and LAT 499 C must be taken in sequence and are prerequisite to LAT 499 D, LAT 499 E or LAT 499 F which may be taken out of sequence with consent of instructor. Individual segments may not be repeated for credit.

Attributes: HUM
Registration Consent: Instructor

Liberal Studies (LIBS)

LIBS 198 - Liberal Studies Internship I - 0 (FMS)

Practical work activity with an outside organization providing students with the opportunity to apply conceptual knowledge in the workplace. Enroll through the Career Development Center. Students will receive a grade of pass or no credit. Requires consent of the dean.

Registration Consent: Dean

LIBS 199 - Liberal Studies Cooperative Education - 0 (FMS)

Supervised work activity with agency, firm or organization, providing a learning environment in which theoretical models are implemented in the student's career area of interest. Students will receive a grade of pass or no credit. Requires consent of the dean.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

LIBS 298 - Liberal Studies Internship II - 0 (MaF)

Practical work activity with an outside organization providing students with the opportunity to apply conceptual knowledge in the workplace. Enroll through the Career Development Center. Students will receive a grade of pass or no credit. Requires consent of the dean.

Registration Consent: Dean

LIBS 299 - Liberal Studies Cooperative Education - 0 (FMS)

Supervised work activity with agency, firm or organization, providing a learning environment in which theoretical models are implemented in the student's career area of interest. Students will receive a grade of pass or no credit. Requires consent of the dean.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

LIBS 300 - Student Colloquium - 1 to 3

Student initiated, student developed, student conducted colloquium. Innovative and experimental participating course on approved topics not otherwise available. Requires approval by the Dean of the College of Arts and Sciences.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Dean

LIBS 397 - Vince Demuzio Governmental Internship - 2

Legislative staff intern with House or Senate legislators or with state agencies in Illinois. Open to all majors. The intern works 15 to 20 hours per week in a paid position for up to 24 months while maintaining a full time load of classes each semester. The intern will perform duties as regular staff members with the legislator or agency. Student must complete application process for consideration. Minimum of Junior status (at least 56 hours of baccalaureate-level course work. Open to only undergraduates. Minimum GPA of 2.75 overall and/or 3.00 in major on a 4.00 scale. Must maintain full time (12 credit hours) per semester. Prepare written assignments as assigned by instructor each semester.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

LIBS 398 - Liberal Studies Internship III - 0 (aF)

Practical work activity with an outside organization providing students with the opportunity to apply conceptual knowledge in the workplace. Enroll through the Career Development Center. Students will receive a grade of pass or no credit. Requires consent of the dean.

Registration Consent: Dean

LIBS 399 - Liberal Studies Cooperative Education - 0 or 2 (FMS)

Supervised work activity with agency, firm or organization, providing a learning environment in which theoretical models are implemented in the student's career area of interest. Students will receive a grade of pass or no credit. Requires consent of the dean.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

LIBS 400 - Senior Project/Liberal Studies - 3 (FMS)

Individually designed and supervised project, such as a student practicum, internship, integrative research paper, presentation, or creative undertaking. Not for graduate credit.

Restrictions: Must be enrolled in one of the following Majors: Liberal Studies, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Instructor and Advisor

Mathematics (MATH)

MATH 112A - Math for Elementary Teaching: Number Sense & Algebra - 3 (FS)

These courses are designed to meet state certification standards for elementary teachers. Number sense and algebra.

Attributes: BPS

MATH 112B - Math for Elementary Teaching: Probability, Statistics & Geometry - 3 (FS)

These courses are designed to meet state certification standards for elementary teachers. Probability, statistics, and geometry.

Attributes: BPS
Prerequisites: MATH 112A Minimum Grade of C (concurrency allowed)

MATH 112C - Mathematics for Elementary Teaching - 3 (S)

One of three courses designed to meet state certification standards for elementary teachers. College algebra skills essential for elementary teachers.

Attributes: BPS
Prerequisites: SAT Math Section Score 530 OR ACT Math 22 OR (ACCUPLACER Adv Algebra-Fnctns 200 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 46 OR (MATH 112A AND MATH 112B Minimum Grades of C) OR MATH 116 Minimum Grade of C OR AD 095 Minimum Grade of C

MATH 115 - Foundations of Mathematics - 2 (FMS)

Operations on signed numbers, fractions, exponents,

radicals, algebraic expressions; factoring techniques; linear equations and inequalities; graphs of linear equations

MATH 116 - Foundations of Algebra - 3 (FMS)

This course covers linear equations and inequalities, polynomials and factoring polynomials, radical and complex numbers, rational expressions, functions and formulas, and graphing linear equations and inequalities.

Prerequisites: ACCUPLACER Arithmetic 250 OR ALEKS PPL - Math Plcmnt 20 - 45 OR Grade of P in MATH 199X or MATH 115

MATH 120 - College Algebra - 3 (FMS)

Cartesian coordinates; graphing; lines; parabolas; functions; inverses; roots of polynomials; rational functions and inequalities; linear systems; matrices; and determinants.

Attributes: BPS
Prerequisites: SAT Math Section Score 530 OR ACT Math 22 OR (ACCUPLACER Adv Algebra-Fnctns 200 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 46 OR MATH 116 C or better OR AD 095 C or better

MATH 120E - Enhanced College Algebra - 3 (FMS)

Cartesian coordinates, graphing, lines, parabolas, functions, inverses, roots of polynomials, rational functions and inequalities, linear systems, matrices, and determinants

Attributes: BPS
Prerequisites: ACCUPLACER Arithmetic 276 OR ALEKS PPL - Math Plcmnt 30 OR AD 070 Minimum Grade of C

MATH 120I - College Algebra - 3 (FMS)

Cartesian coordinates; graphing; lines; parabolas; functions; inverses; roots of polynomials; rational functions and inequalities; linear systems; matrices; and determinants.

Attributes: BPS
Prerequisites: ACCUPLACER Arithmetic 250 OR ALEKS PPL - Math Plcmnt 20 OR MATH 199X Minimum Grade of P

MATH 125 - Precalculus Mathematics with Trigonometry - 3 (FMS)

Exponential and logarithmic functions; trigonometric functions and their applications; inverse trigonometric functions; trigonometric identities and equations; laws of sines and cosines; binomial theorem; and introduction to partial fractions.

Attributes: BPS
Prerequisites: (ACCUPLACER Adv Algebra-Fnctns 250 AND ACCUPLACER QR-Algebra-Stats 250) OR ALEKS PPL - Math Plcmnt 61 OR MATH 120 Minimum Grade of C OR MATH 120E Minimum Grade of C OR MATH 120I Minimum Grade of C

MATH 145 - Calculus for the Life Sciences - 5 (FMS)

Fundamental concepts of calculus with applications focused on the life sciences: limits, continuity, derivatives, integrals, fundamental theorem of calculus, partial derivatives, differential equations, and applications. Course not a prerequisite for Math 152.

Attributes: BPS
Prerequisites: ACCUPLACER Adv Algebra-Fnctns 276 OR ALEKS PPL - Math Plcmnt 76 OR MATH 125 Minimum Grade of C

MATH 150 - Calculus I - 5 (FMS)

Fundamental concepts of calculus: limits, continuity, and derivatives. Mean Value Theorem of Calculus, integration techniques, and applications. IAI Course M1 900-1.

Attributes: BPS, IAM
Prerequisites: ACCUPLACER Adv Algebra-Fnctns 276 OR ALEKS PPL - Math Plcmnt 76 OR MATH 125 Minimum Grade of C.

MATH 152 - Calculus II - 5 (FMS)

Applications of integration; techniques of integration; improper integrals; polar coordinates; infinite sequences and series; and Taylor's theorem. IAI Course M1 900-2.

Attributes: BPS, IAM

Prerequisites: MATH 150 Minimum Grade of C

MATH 165 - Introduction to Programming and Problem Solving - 3 (F)

Introduction to real-world problem solving using a modern computational environment MATLAB. In the context of engineering applications, basic procedural programming concepts will be covered.

Prerequisites: MATH 150 Minimum Grade of C

MATH 223 - Logic & Mathematical Reasoning - 4 (FS)

Concepts and techniques essential to advanced mathematics; logic, methods of proof, sets, relations, induction, functions, cardinality, combinatorics, and graph theory.

Attributes: PS
Prerequisites: MATH 152 Minimum Grade of C

MATH 224 - Discrete Mathematics - 3 (FMS)

Mathematical concepts and techniques essential to computer science: logic; sets; algorithms; methods of proof; induction and recursion; simple counting techniques; and graph theory. Does not count toward a major in mathematics.

Attributes: BPS
Prerequisites: CS 140 Minimum Grade of C

MATH 250 - Calculus III - 4 (FMS)

Vectors; dot and cross products; lines and planes in space; and vector-valued functions. Partial derivatives, gradient, extrema, and multiple integrals. Theorems of Green, Stokes, and Gauss. IAI Course M1 900-3.

Attributes: BPS, IAM
Prerequisites: MATH 152 Minimum Grade of C

MATH 300 - History of Mathematics from Antiquity to Descartes - 3

The development of mathematics from antiquity through the development of analytic geometry. Does not count toward a degree in mathematics.

Attributes: PS
Prerequisites: MATH 125 Minimum Grade of C OR MATH 150 Minimum Grade of C

MATH 305 - Differential Equations I - 3 (FMS)

First order ordinary differential equations, linear ordinary, differential equations of higher order, systems of first order linear equations, and applications.

Attributes: PS
Prerequisites: MATH 250 Minimum Grade of C

MATH 311 - The Teaching of Secondary Mathematics 1 - 3 (S)

The first of two courses focusing on the content and pedagogy applicable to secondary mathematics teacher licensure. Does not count toward non-teaching degree or minor in mathematics.

Attributes: PS
Prerequisites: CIED 303
Corequisites: CIED303
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

MATH 315 - Number Theory - 3

Divisibility, primes, numerical functions, congruences, introduction to coding theory, continued fractions, and rational approximations. Does not count toward a degree in mathematics.

Attributes: PS
Prerequisites: MATH 125 Minimum Grade of C

MATH 320 - Introduction to Algebraic Structures - 3 (F)

Introduction to group theory. Groups; subgroups; cyclic groups; cosets and Lagrange's theorem; homomorphisms; and factor groups.

Attributes: PS
Prerequisites: MATH 223 Minimum Grade of C

MATH 321 - Linear Algebra I - 3 (FMS)

Systems of linear equations matrices and determinants; vector spaces and linear transformations. Eigenvalues, eigenvectors, and diagonalization of a symmetric matrix.

Attributes: PS
Prerequisites: MATH 152 Minimum Grade of C

MATH 340 - Theory of Interest - 3 (F)

Measures of interest; annuities; yield rates; amortization schedules and sinking funds; economic rationale for interest; and stochastic approaches to interest.

Attributes: PS
Prerequisites: MATH 152 Minimum Grade of C

MATH 350 - Introduction to Analysis - 4 (FMS)

Real numbers. Topology on the real line. Sequences of real numbers; limits of functions, continuity of functions; differentiation.

Attributes: PS
Prerequisites: MATH 223 Minimum Grade of C AND MATH 250 Minimum Grade of C

MATH 355 - Engineering Mathematics - 5 (F)

Linear algebra: Gaussian elimination, linear independence, vector spaces, eigenvalues; discrete mathematics including: combinations and graph theory; and complex analysis (differentiation, integration, and series).

Attributes: PS
Prerequisites: MATH 305 Minimum Grade of C

MATH 400 - Development of Modern Mathematics - 3 (FS)

The development of mathematics since the discovery of calculus.

Attributes: PS
Prerequisites: MATH 152 Minimum Grade of C AND MATH 223 Minimum Grade of C

MATH 411 - The Teaching of Secondary Mathematics 2 - 3 (F)

The second of two courses focusing on the content and pedagogy applicable to secondary mathematics teacher licensure. Does not count toward non-teaching degree or minor in mathematics.

Attributes: PS
Prerequisites: MATH 311 Minimum Grade of C

MATH 416A - Mathematics Topics for Teachers: Analysis - 1 to 3 (aF)

Analysis. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416B - Mathematics Topics for Teachers: Algebra - 1 to 3

Algebra. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416C - Mathematics Topics for Teachers: Number Theory - 1 to 3

Number theory. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416D - Mathematics Topics for Teachers: Probability & Statistics - 1 to 3

Probability and statistics. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416E - Mathematics Topics for Teachers: Mathematical Concepts - 1 to 3

Mathematical concepts. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416F - Mathematics Topics for Teachers: Geometry - 1 to 3

Geometry. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416G - Mathematics Topics for Teachers: History of Mathematics - 1 to 3

History of Mathematics. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416H - Mathematics Topics for Teachers: Applied Mathematics - 1 to 3

Applied mathematics. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 416I - Mathematics Topics for Teachers: Logic & Foundations - 1 to 3

Logic and foundations. May be repeated to a maximum of 3 hours so long as no topic is repeated. May not count toward a concentration or minor in mathematics. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

MATH 420 - Abstract Algebra - 3 (aS)

Rings, fields, integral domains, homomorphisms, factor rings, rings of polynomials, prime ideals, maximal ideals, extension fields, and vector spaces.

Attributes: PS
Prerequisites: MATH 320 Minimum Grade of C

MATH 421 - Linear Algebra II - 3 (FS)

Advanced study of vector spaces: Cayley-Hamilton Theorem, minimal and characteristic polynomials, Eigen spaces, canonical forms, Lagrange-Sylvester Theorem, and applications.

Attributes: PS
Prerequisites: MATH 223 Minimum Grade of C AND MATH 250 Minimum Grade of C AND MATH 321 Minimum Grade of C

MATH 423 - Combinatorics and Graph Theory - 3

Methods of solving problems which are discrete in nature. Counting combinatorial reasoning and modeling; generating functions; and recurrence relations. Graphs: definitions, examples, basic properties, applications, and algorithms. Some knowledge of programming is recommended.

Attributes: PS
Prerequisites: MATH 223 with a grade of C or better or (MATH 152 and MATH 224, both with grades of C or better)

MATH 430 - A Geometric Introduction to Topology - 3

Topological spaces and equivalence through the study of knots, links, surfaces, 3-manifolds and other selected topics.

Attributes: PS
Prerequisites: MATH 350 Minimum Grade of C

MATH 435 - Foundations for Euclidean & Non-Euclidean Geometry - 3 (F)

Points; lines; planes; space; separations; congruence; parallelism and similarity; non-Euclidean geometries; and independence of the parallel axiom. Riemannian and Bolyai-Lobachevskian geometries.

Attributes: PS
Prerequisites: MATH 250 Minimum Grade of C AND MATH 321 Minimum Grade of C AND (MATH 320 Minimum Grade of C OR MATH 350 Minimum Grade of C)
Registration Consent: Instructor

MATH 437 - Differential Geometry - 3

Curves and surfaces in Euclidean 3-space from the perspective of classical differential geometry. Topics include: Frenet frames, fundamental surface forms, geodesics, and the Gauss-Bonnet theorem.

Attributes: PS
Prerequisites: MATH 250 Minimum Grade of C AND MATH 321 Minimum Grade of C

MATH 450 - Real Analysis I - 3 (F)

Integration; infinite series, sequences and series of functions and their properties.

Attributes: PS
Prerequisites: MATH 350 Minimum Grade of C

MATH 451 - Introduction to Complex Analysis - 3

Analytic functions, Cauchy-Riemann equations, harmonic functions, elements of conformal mapping, line integrals, Cauchy-Goursat theorem, Cauchy integral formula, power series, the residue theorem and applications.

Attributes: PS
Prerequisites: MATH 350 Minimum Grade of C

MATH 462 - Applied Numerical Analysis - 3 (FS)

Polynomial interpolation and approximations; numerical integration; differentiation; and direct and iterative methods for linear systems. Numerical solutions for ODE's and PDE's. Matlab programming required.

Attributes: PS
Prerequisites: MATH 250 Minimum Grade of C AND MATH 305 Minimum Grade of C AND (CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C OR MATH 165 Minimum Grade of C)

MATH 464 - Partial Differential Equations - 3 (FS)

Partial differential equations, heat equation, wave equation, Laplace’s equation, Fourier series, Fourier transform, method of separations of variable.

Attributes: PS
Prerequisites: MATH 305 Minimum Grade of C

MATH 490A - Topics in Mathematics - 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490B - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490C - Topics in Mathematics - 1 to 3 (S)

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490D - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490E - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490F - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490G - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 490H - Topics in Mathematics - 1 to 3

490a-h, 1-3 each Topics in Mathematic — Selected topics in specified area of interest. (a) Algebra, (b) Geometry and topology, (c) Analysis, (d) Mathematics education, (e) Logic and foundations, (f) Differential equations, (g) Numerical analysis, (h) Combinatorics and graph theory. May be repeated to a maximum of 6 hours so long as no topic is repeated. Prerequisite: consent of instructor.

Registration Consent: Instructor

MATH 495A - Independent Study: Algebra - 1 to 3

Research and reading in specified area of interest. Algebra. May be repeated to a maximum of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 495B - Independent Study: Geometry - 1 to 3

Research and reading in specified area of interest. Geometry. May be repeated to a maximum of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 495C - Independent Study: Analysis - 1 to 3

Research and reading in specified area of interest. Analysis. May be repeated to a maximum of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 495D - Independent Study: Mathematics Education - 1 to 3

Research and reading in specified area of interest. Mathematics education. May be repeated to a maximum of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser.

Attributes: PS
Registration Consent: Advisor

MATH 495E - Independent Study: Logic & Foundations - 1 to 3

Research and reading in specified area of interest. Logic & foundations. May be repeated to a max of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 495F - Independent Study: Topology - 1 to 3

Research and reading in specified area of interest. Topology. May be repeated to a maximum of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 495G - Independent Study: Numerical Analysis - 1 to 3

Research and reading in specified area of interest. Numerical analysis. May be repeated to a max of 9 hours so long as no topic is repeated and not more than 3 hours are accumulated in neither a single segment nor more than 6 in one semester. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

MATH 498 - Senior Seminar - 2 (F)

Mathematical modeling. The writing and presenting of mathematical ideas. Preparation for senior project.

Prerequisites: MATH 150 Minimum Grade of C AND MATH 152 Minimum Grade of C AND MATH 250 Minimum Grade of C AND MATH 223 Minimum Grade of C AND MATH 305 Minimum Grade of C AND MATH 321 Minimum Grade of C AND MATH 350 Minimum Grade of C AND STAT 380 Minimum Grade of C AND (MATH 165 Minimum Grade of C or CS 140 Minimum Grade of C OR CS 145 Minimum Grade of C) AND (PHYS 211A Minimum Grade of C OR PHYS 151 Minimum Grade of C) AND (PHYS 212A Minimum Grade of C OR PHYS 151L Minimum Grade of C)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Applied Math,Actuarial Science,Mathematical Studies,Mathematical Sciences,Statistics

MATH 499 - Senior Project - 2 (FS)

Directed study toward completing the senior assignment. Student completes a written project and gives an oral presentation.

Prerequisites: MATH 498 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Applied Math,Actuarial Science,Mathematical Studies,Mathematical Sciences,Statistics
Registration Consent: Instructor

Mass Communications (MC)

MC 103 - Science & Media Literacy - 3

General education course covering science literacy, media literacy and the intersection of the two. Science literacy centers on understanding how scientists build knowledge about the world. Media literacy focuses on professionals working in the news and in other branches of the mass media in order to discuss how they make meaning in society. This course includes opportunities to critique and to create science information products with the best work submitted to BIOWIRE, a regional news service.

Attributes: BICS

MC 201 - Mass Media in Society - 3 (FMS)

Analysis of mass media focusing on technological, economic, governmental, and societal impact.

Attributes: HUM

MC 202 - Writing for the Media - 3 (FMS)

Introduction to media writing styles and techniques including writing news stories, audio & video scripts,

social media, advertising and public relations content.

Attributes: HUM

MC 204 - Introduction to Audio and Video Production - 3 (FMS)

Planning and realization of audio and video productions; studio techniques; audio and video non-linear editing. Emphasis on composition, aesthetics and storytelling.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade of C.

MC 301 - Advanced Audio Production - 3 (FS)

Professional audio production across digital media platforms. Includes editing, podcast production, sound design, script writing, and technical skills.

Attributes: HUM
Prerequisites: MC 204

MC 321 - Feature Writing - 3 (F)

Learn the essentials of writing and researching feature news pieces for evolving media platforms and contemporary outlets. Enterprise reporting stressed.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade C

MC 322 - Copy Editing For News Media - 3 (S)

Students build professional news editing skills through practice, work towards mastery of AP Style and develop approaches for editing across digital platforms.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade C

MC 323 - Digital Publishing and Design - 3 (FMS)

Digital publication design and production of layouts for brochures, magazines and other media. Focuses on content-driven design through diverse methods of distribution.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade C

MC 324 - Advanced News Reporting - 3 (F)

Reporting for print and digital media about local and state government; politics law enforcement; courts; education; and, state and federal agencies. Investigative reporting.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade C

MC 325 - Fundamentals of Advertising - 3 (FMS)

Provides an overview of advertising from the perspectives of marketing and social roles of advertising, consumer behavior, media, strategic research and planning, creative, and IMC.

Attributes: HUM

MC 326 - Advertising Copywriting and Design - 3 (F)

Create ads for a variety of products and audiences while improving ideation, copywriting, design, and critiquing skills.

Attributes: HUM

MC 327 - Essentials of Web Design - 3 (FS)

An introduction to web design. Hands-on experience in designing, creating and publishing content to a website. Students complete a moderate web project.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C

MC 328 - Social Media Content Creation - 3

This course examines the role of creators and influencers in the social media landscape. Students learn strategies for building a personal brand, producing engaging content, and growing an audience across platforms.

Attributes: BICS
Prerequisites: MC 204 Minimum Grade of C

MC 330 - Advanced Media Writing - 3 (FS)

Advanced writing techniques for various media platforms. Topics include writing news, commercials, promos, news releases, and podcast, documentary

and dramatic scripts.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C

MC 331 - Media Performance - 3 (S)

Extensive instruction and practice in media performance, covering both audio and video. Students prepare projects for field and studio production and presentation.

Attributes: HUM

MC 332 - Advanced News Production - 3 (F)

Extensive practice in writing, producing and editing audio and video news for broadcast and digital media.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C

MC 333 - Advanced Video Production - 3 (FS)

Students produce professional-quality video segments for a weekly half-hour news/entertainment show.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C

MC 334 - Commercial Production - 3 (F)

Processes and practices in copywriting and production for radio, TV and online advertising.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C AND MC 325 Minimum Grade of C

MC 341 - Sports Journalism - 3

Course provides overview of sports journalism and enhances students' writing, reporting, interviewing, and editing skills. Students learn how to write game, advance, and feature stories.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade of C (concurrency allowed)

MC 342 - Digital Imagery - 3 (FM)

Capturing, organizing, selecting, and enhancing digital images to achieve stunning effects using industry-standard software. Course emphasizes the role of digital images as a communicative medium.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade of C (concurrency allowed)

MC 351 - Women in Mass Communications - 3 (S)

Exploration of women's relationship to media. Dual focus on women as producers and subjects of media. Emphasis on history and intersectionality. Same as WMST 351.

Attributes: EUSC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

MC 353 - History of Mass Media - 3

Development of American mass media. Struggle for freedom. Outstanding communicators and institutions. Social, political, and technological influences.

Attributes: HUM

MC 389 - Media Planning - 3 (FMS)

Basic principles, strategies, and procedures of advertising media planning including media terminology and calculations, audience measurements, syndicated research, data analysis, weighting techniques, and strategic planning.

Attributes: SS
Prerequisites: MC 325

MC 401 - Media Law and Policy - 3 (FMS)

U.S. Constitution and federal and state law related to mass media. Congressional and public policy. Research paper/case study required.

Attributes: HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

MC 402 - Media Management - 3 (FS)

Focus on product development and project management in media industries. Connects current media production research with contemporary management practices. Research paper required.

Attributes: HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

MC 403 - Cultural Studies in Media - 3 (FMS)

Use of critical theory to examine media's impact on society and culture. Attention paid to race, class, gender and sexuality. Prerequisite: upper-class standing.

Attributes: HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

MC 421 - Advertising Campaigns - 3

Creation and production of advertising campaigns using a mix of media.

Attributes: HUM
Prerequisites: MC 326 Minimum Grade of C OR MC 334 Minimum Grade of C

MC 422 - Strategic Media Writing - 3 (S)

Analyzing, writing, and presenting various forms of corporate communications for an assortment of media and audiences.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Mass Communications,Mass. Comm. - Media Literacy

MC 423A - Advanced Topics in Writing for Media: Dramatic Writing - 3

Advanced theory and practice of writing for the print and visual media. Dramatic writing.

Attributes: HUM

MC 423B - Advanced Topics in Writing for Media: Other Topics - 3

Advanced theory and practice of writing for the print and visual media. Other topics.

Attributes: HUM

MC 424 - Literary Journalism - 3 (S)

Students develop skills in literary non-fiction writing. Includes reading works by both historically important and contemporary writers in this genre.

Attributes: HUM
Prerequisites: MC 202 Minimum Grade of C (concurrency allowed)

MC 427 - Social Media Analytics - 3

This course focuses on the use of analytics, including AI-powered tools, to evaluate and improve social media performance. Students learn to collect, analyze, and interpret data from multiple platforms using machine learning for pattern recognition and predictive analytics.

Attributes: BICS

MC 431 - Freelance Media Production - 3 (S)

Advanced production techniques for corporate and non-profit videos, with an emphasis on skills needed for freelance video production and survival as an independent contractor.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C (concurrency allowed)

MC 433 - Advanced Video Directing and Producing - 3 (FS)

Advanced theory and practice in television directing and producing. Students work as senior producers for the cable program SIUE Global Village, plus other assignments.

Attributes: HUM
Prerequisites: MC 333 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Classifications: SIU Coop Grad Pgms - Doctoral; Doctoral Candidate; Master's Candidate; Specialist Candidate; Unclassified Graduate; Post Baccalaureate Certificate; Post Master's Certificate;

Senior with Degree; Senior, Must be enrolled in one of the following Levels: Graduate; Undergraduate

MC 435 - Media Post-Production - 3

Theory and practice of post-production including: video editing, sound design, color grading and motion graphics.

Prerequisites: MC 204 Minimum Grade of C (concurrency allowed)

MC 440 - Visual Media Analysis - 3 (FS)

Analysis of still and moving images for artistic and communicative purposes. Values, languages, philosophies, styles and standards based on artistic visions, audience expectations, and distribution constraints.

Attributes: HUM

MC 441 - Advanced Writing and Designing for Digital Media - 3 (F)

A project-based course which provides a comprehensive overview of both writing and designing for digital media. Students learn popular, industry-leading multimedia authoring tools.

Attributes: HUM
Prerequisites: MC 327 Minimum Grade of C

MC 442 - Special Studies in Visual Communications - 3

Special independent study in visual communications combining theory and practice. Not for graduate credit.

MC 443 - Narrative Media Production - 3 (S)

Write and produce short narrative films and web series.

Prerequisites: MC 204 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Mass Communications,Mass. Comm. - Media Literacy

MC 447 - Photojournalism - 3 (S)

Students learn to explore their communities with cameras and use photographs to communicate. Technical skills, editing process, professional codes and industrial developments will be discussed.

Attributes: HUM

MC 449 - Media Psychology - 3 (S)

Media's short term and long term psychological effects; socialization of children and adults; persuasion and social perception in politics, health communication, and consumer behavior.

Attributes: BSS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore, Must be enrolled in one of the following Levels: Graduate; Undergraduate

MC 451 - Research Methods in Mass Media - 3 (FS)

Examination of traditional and emerging concepts of research. Extensive use of research instruments, evaluation and special applications to mass media. Individual and group research projects required.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Mass Communications,Mass. Comm. - Media Literacy, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

MC 452 - New Media and Technology - 3

Technological changes in the mass media. New media forms; audience fragmentation; and economic, regulatory, and social issues. Patters of adoption and diffusion.

Attributes: HUM
Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MC 453 - Transnational Media - 3 (S)

Focus on media ownership, content flow, cultural values, political power, and technological impact in history industrialization, economics and current processes of globalization.

Attributes: BSS, EGC, EREG, EUSC

MC 454 - Documentary Media Production - 3 (F)

Evolution of documentary filmmaking; emphasis on student production of original documentary films.

Attributes: HUM
Prerequisites: MC 204 Minimum Grade of C AND (MC 332 Minimum Grade of C OR MC 333 Minimum Grade of C OR MC 334 Minimum Grade of C OR MC 431 Minimum Grade of C)

MC 455 - Media Ethics - 3 (FMS)

Critical examination and analysis of main values, issues, and arguments associated with media functions, performance, business practices, and public perceptions of the media.

Attributes: BHUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

MC 456 - Identity and Emerging Media - 3 (FMS)

Students explore how people construct identities on various emerging media—Twitter, Snapchat, Instagram and YouTube. Students read academic sources and engage in podcast, videocast or animation projects.

Attributes: BHUM, EUSC
Prerequisites: ENG 101 Minimum Grade of C or ENG 102 Minimum Grade of C or admission to the Media Studies graduate program (GM).

MC 471 - Special Topics in Mass Media - 3 (FMS)

Special and advanced topics in the mass media. Topics to be announced. May be repeated to a maximum of 9 hours provided no topic is repeated.

Attributes: HUM

MC 472 - Mass Media and Health - 3 (MS)

Focuses on media literacy in the area of health, ethics related to media health content, the influence media have on health behavior and health policy.

Attributes: BSS, EH
Restrictions: Must be enrolled in one of the following Classifications: Graduate; Junior; Senior

MC 475 - Advanced Mobile Media Design - 3 (M)

A project-based course which introduces students to concepts and techniques in designing advanced mobile-based interactive multimedia applications.

Attributes: HUM
Prerequisites: MC 441 Minimum Grade of C.

MC 478 - International Advertising - 3

The course introduces and discusses issues that affect advertising and communications in a global marketplace.

Attributes: EGC
Restrictions: Must be enrolled in one of the following Classifications: Graduate; Junior; Senior

MC 481 - Internship/Senior Portfolio - 3 (FMS)

Experience with professional media under the joint supervision of faculty and media professionals. Presentation of a senior portfolio for professional evaluation. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Mass Communications,Mass. Comm. - Media Literacy, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

MC 482 - Internship - 3 (FMS)

Experience with professional media under the joint supervision of faculty and media professionals. This course may not be used to satisfy mass communication elective requirements. Not for graduate credit. Requires consent of instructor.

Restrictions: Must be enrolled in one of the following Majors: Mass Communications,Mass. Comm. - Media Literacy, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

MC 491 - Advanced Practices - 3

Independent study in areas which student has

completed all formal course work. Included are studies in news, advertising, writing, announcing, and production-direction. May be repeated to a maximum of 6 hours. Requires consent of instructor.

Registration Consent: Instructor

MC 495 - Readings in Mass Media - 1 to 4

Selected readings in depth with member of faculty. Contemporary books and periodicals. May be repeated to a maximum of 4 hours. Requires consent of instructor.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Instructor

MC 499 - Independent Study - 1 to 3 (F)

Special projects, research, and independent study under guidance of faculty supervisor. Not for graduate credit. Requires consent of instructor.

Registration Consent: Instructor

Mechanical Engineering (ME)

ME 192 - Special Topics in Mechanical Engineering - 1 to 6

Selected topics of special interest in mechanical engineering. may be repeated to a maximum of 6 hours so long as no topic is repeated. Not for graduate credit.

Prerequisites: MATH 150 Minimum Grade of C (concurrency allowed).

ME 198 - Mechanical Engineering Work Experience I - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

ME 199 - Mechanical Engineering Cooperative Education I - 0 (FMS)

Supervised work experience with agency, firm or organization which uses engineers. First work period of five-year academic/work experience program. Requires consent of engineering co-op adviser.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

ME 244 - Engineering Mechanics - 4

Static equilibrium conditions for external and internal force and moment systems. Dynamics of rigid-body planar motion. Same as CE 244.

Prerequisites: PHYS 211A OR PHYS 151.

ME 262 - Dynamics - 3 (FMS)

Differentiation and rotation of vector valued functions; dynamics of particles; Newton's laws, momentum and energy; relative motion; and dynamics of rigid body planar motion. IAI Course EGR 943.

Attributes: IEGR
Prerequisites: CE 240 Minimum Grade of C.

ME 298 - Mechanical Engineering Work Experience II - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: ME 198.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

ME 299 - Mechanical Engineering Cooperative Education II - 0 (FMS)

Supervised work experience with agency, firm or organization which uses engineers. Second work period of five-year academic/work experience program. Student receives grade of satisfactory or

unsatisfactory. Prerequisite: consent of engineering co-op adviser.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

ME 310 - Thermodynamics I - 3 (FM)

Classical thermodynamics: properties of pure substance; ideal gas law; work and heat; first and second laws; entropy; Rankine cycle; and introduction to heat transfer. Requires Junior standing in Engineering.

Prerequisites: ME 262 Minimum Grade of C (concurrency allowed) AND MATH 250 Minimum Grade of C.

ME 312 - Thermodynamics II - 3 (FS)

Some power and refrigeration cycles, mixtures and solutions; chemical reactions and chemical equilibrium; irreversibility and availability; thermo-dynamic relations.

Prerequisites: ME 310 Minimum Grade of C.

ME 315 - Fluid Mechanics - 3 (FMS)

Basic principles of conservation of mass, momentum and energy in fluid systems; dimensional analysis; compressible and incompressible flow; and boundary layers. Requires completion of stated prerequisite or consent of instructor. Same as CE 315.

Prerequisites: CE 242 Minimum Grade of C (concurrency allowed).
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Civil Engineering,Mechanical Engineering, Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

ME 350 - Mechanisms - 3 (FM)

Kinematic analysis and synthesis of four bar linkages, cams, gears and other mechanisms; D'Alembert principle, dynamic force analysis, balancing, and gyroscopic effects.

Prerequisites: ME 262 Minimum Grade of C AND CE 204 Minimum grade of C AND ME 354 Minimum Grade of C (concurrency allowed).

ME 354 - Numerical Simulation - 1 (FS)

Simulation software; numerical solution of algebraic and differential equations; and simulation.

Prerequisites: CS 140 Minimum grade of C or CS 145 Minimum grade of C and MATH 305 Minimum Grade of C (concurrency allowed).

ME 356 - Dynamical Systems Modeling - 3 (FS)

Laplace transformation; transfer functions. Modeling of dynamic systems involving mechanical, electrical, fluid and thermal components. State space description. Computer simulations. Frequency response and bode plot.

Prerequisites: ME 354 Minimum Grade of C (concurrency allowed) AND ME 262 Minimum Grade of C AND ECE 210 AND MATH 305.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

ME 356L - Dynamical Systems Laboratory - 1 (FS)

Experimental methods. Sensors and transducers. Instrumentation. Dynamic response. Signal processing.

Prerequisites: ME 356 Minimum Grade of C (concurrency allowed).

ME 370 - Materials Engineering - 3 (FS)

Atomic, molecular and crystalline structures; effect of micro- and macro-structure on properties; equilibrium and non-equilibrium multiphase systems; and metallic, ceramic and polymeric materials.

Prerequisites: CE 242 Minimum Grade of C (concurrency allowed)

ME 380 - Design of Machine Elements - 3 (FS)

Stress and deformation; buckling; failure theories for static and fatigue loading; design of gears, shafts, and other.

Prerequisites: ME 354 Minimum Grade of C

(concurrency allowed) AND CE 242 Minimum Grade of C

ME 380L - Stress Laboratory - 1 (FMS)

Measurement of stress and strain. Stress concentration. Combined loading. Material strength and failure.

Prerequisites: ME 380 (concurrency allowed)

ME 398 - Mechanical Engineering Work Experience III - 0 (FMS)

Supervised work experience with agency, firm, or organization which uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: ME 298
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

ME 399 - Mechanical Engineering Cooperative Education III - 0 (FMS)

Supervised work experience with agency, firm or organization which uses engineers. Third work period of five-year academic/work experience program. Requires consent of engineering co-op adviser.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

ME 410 - Heat Transfer - 3 (FS)

Steady and unsteady conduction, transient numerical method; principles of convection; and empirical relations for forced-convection heat transfer, radiation heat transfer, and heat exchangers. Design project. Not for graduate credit.

Prerequisites: ME 310 Minimum Grade of C AND (ME 315 OR CE 315 Minimum Grade of C.)

ME 410L - Thermal Science Lab - 1 (FS)

Applications of thermodynamics and fluid mechanics laws; pipe flow measurements, Bernoulli experiment, wind tunnel measurements, and refrigeration cycle; compressor and pump experiments; and steam generator.

Prerequisites: ME 410 Minimum Grade of C (concurrency allowed)

ME 412 - Energy Conversion Systems - 3

Theory. Analysis and design of static and dynamic energy conversion devices including thermoelectrics, magnetohydrodynamics, electrohydrodynamics, fuel cells. Not for graduate credit.

Prerequisites: ME 312 Minimum Grade of C AND (ME 315 OR CE 315 Minimum Grade of C

ME 414 - Gas Dynamics - 3 (FS)

Basic equations of compressible flow, and isentropic flow of perfect gas; normal shock waves, and oblique shock waves; flow with friction and heat loss; and applications.

Prerequisites: (ME 315 OR CE 315 Minimum Grade of C) and ME 310 Minimum Grade of C Or Graduate Status (GM)

ME 416 - Thermal Science Design - 3

Selected topics such as heat exchangers, steam generators, combustion and two phase flow systems considered for design projects. Application of design emphasized. Not for graduate credit.

Prerequisites: ME 410 Minimum Grade of C

ME 417 - Heating, Ventilating and Air-Conditioning (HVAC) - 3 (M)

Air-conditioning systems, psychrometrics, indoor air quality, heating and cooling loads, pumps and fans, duct design, refrigeration.

Prerequisites: ME 310 Minimum Grade of C and (ME 315 OR CE 315 Minimum Grade of C), or graduate standing (GM).

ME 418 - Internal Combustion Engines - 3 (FS)

Thermodynamics of internal combustion engine

cycles; gasoline and diesel engines; engine design considerations; engine heat release; fuel-air and combustion; and valves and heat losses.

Prerequisites: ME 410 Minimum Grade of C (concurrency allowed) AND ME 312 Minimum Grade of C

ME 419 - Gas Turbines - 3 (MS)

Quasi-one-dimensional compressible flow; ideal and non-ideal gas turbine cycles, gas turbines for power, turbojet, and turbofan; component performance; engine off-design performance; and engine design considerations.

Prerequisites: ME 312 Minimum Grade of C AND (ME 315 OR CE 315 Minimum Grade of C)

ME 420 - Alternative Energy Systems - 3 (F)

Global and national energy consumption, hydropower, wind energy, solar energy, fuel cells, biomass, geothermal energy, ocean energy, and nuclear energy.

Prerequisites: ME 410 Minimum Grade of C (concurrency allowed)

ME 422 - Aerodynamics - 3 (S)

Subsonic and supersonic aerodynamics; lift, induced drag, friction drag; circulation; compressibility effects, swept wings; shock-expansion theory, wave drag and the area rule.

Prerequisites: ME 315 OR CE 315 Minimum Grade of C

ME 426 - Systems Engineering - 3 (F)

An interdisciplinary engineering and management approach to develop complex systems. Topics include requirements allocation, trade studies, optimization and robustness, verification and validation, reliability, and risk management. Not for graduate credit. Same as MRE 426.

Restrictions: Must be enrolled in one of the following Majors: Mechanical Engineering,Mechatronics and Robotics Engr, Must be enrolled in one of the following Classifications: Junior; Senior

ME 432 - Vehicle Dynamics and Technology - 3 (F)

One dimensional dynamics of a vehicle, acceleration performance, braking performance, powertrain, tire mechanism, steering mechanism, low and high speed cornering, and suspension system. Prerequisite: ME 350 or MRE 358 with a minimum grade of C in each course, or graduate standing.

Prerequisites: ME 350 Minimum Grade of C or MRE 358 Minimum Grade of C or Graduate Status (GM).

ME 433 - Fuzzy Logic and Applications - 3

Fundamentals of fuzzy sets, basic operations, fuzzy arithmetic, and fuzzy systems. Examples of applications in various fields of engineering and science. Requires consent of instructor. Same as ECE 433.

Registration Consent: Instructor

ME 438 - Mechanical Engineering Project - 3 to 6

Individual laboratory projects of research, design, or developmental nature to study principles of engineering systems or components. Not for graduate credit. Requires consent of department chair or program director.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Dept Chair-Program Director

ME 442 - Microelectromechanical Systems - 3

Fundamental science, design, and fabrication of MEMS and microsystems, scaling laws, MEMS flexures, capacitive, piezoelectric, piezoresistive, and thermal sensing and actuation.

Prerequisites: (ME 315 OR CE 315 Minimum Grade of C) AND ME 356 Minimum Grade of C AND ME 370 Minimum Grade of C AND ME 380 Minimum Grade of C, or Graduate standing.

ME 450 - Automatic Control - 3 (FS)

Modeling of dynamical systems, linearizations,

stability, and feedback control; Routh-Hurwitz Criteria, time domain and frequency domain response; Root Locus; and feedback compensator design.

Prerequisites: ME 356 Minimum Grade of C; or Graduate Status (GM)

ME 452 - Vibrations - 3 (M)

Vibration of single and multi-degree of freedom systems; natural frequencies and modes; and vibration isolation. Structural response to ground excitation.

Prerequisites: ME 262 Minimum Grade of C and MATH 305 Minimum Grade of C and CE 242 Minimum Grade of C; or Graduate Status (GM)

ME 454 - Robotics-Dynamics and Control - 3 (F)

(Same as ECE 467 and MRE 454) Robotics, robot kinematics and inverse kinematics, trajectory planning, differential motion and virtual work principle, dynamics and control. Prerequisite: Consent of instructor.

Registration Consent: Instructor

ME 456 - Dynamic Systems Modeling - 0

Laplace transformation; transfer functions. Modeling of dynamic systems involving mechanical, electrical, fluid and thermal components. State space description. Computer simulations. Frequency response and bode plot.

ME 458 - Mechatronics - 3

Dynamics response; fundamentals of electronic and logic circuits; sensors and instrumentation for strains, movements and fluid flow; actuators and power transmission devices; and feedback control. Two hours lecture and one laboratory session per week.

Prerequisites: ME 356 Minimum Grade of C; or Graduate Status (GM)

ME 460 - Nondestructive Evaluation Methods - 3

Nondestructive evaluations methods for engineering materials. Ultrasonic inspection for defect detection, weld inspection plus methods of dye penetrate. Acoustic emissions and eddy currents are studied. C/l with CE 461.

ME 462 - Robotic Vision - 3 (S)

Learn fundamentals of computer vision including image formation and analyses. Apply robotics, computer vision, and control in solving problems of mobile and arm-type robots.

Prerequisites: MATH 321 Minimum Grade of C, or Graduate Standing (GM).

ME 466 - Digital Control - 3

Topics include finite difference equations, z-transforms, and state variable representation; and analysis and synthesis of linear sampled-data control systems using classical and modern control theory. Prerequisite: ME 450 with a C or better or ECE 365 with a C or better or graduate standing.

Prerequisites: ME 450 Minimum Grade of C or ECE 365 Minimum Grade of C; or Graduate Status (GM)

ME 470 - Stress Analysis and Design - 3 (F)

Three dimensional torsion and bending; stress and strain transformations; yield criteria and plasticity theory; finite element method; and case studies and engineering design.

Prerequisites: ME 370 Minimum Grade of C (concurrency allowed) and CE 242 Minimum Grade of C; or Graduate Status (GM)

ME 472 - Engineering Fracture Mechanics - 3 (S)

Mechanisms of fracture and crack growth; the elastic and plastic crack-tip stress fields; and case studies and design analysis. Not for graduate credit.

Prerequisites: ME 370 Minimum Grade of C AND CE 242 Minimum Grade of C

ME 474 - Composite Materials - 3

Material composition, manufacturing processes, lamina, laminate, structural mechanical analysis; applications, QA technology; laboratory laminate

fabrication and mechanical test. Not for graduate credit.

Prerequisites: ME 370 Minimum Grade of C (concurrency allowed)

ME 476 - Applied Finite Element Analysis - 3

Theory: approximate solution of differential equations, discretization, shape functions, loads and boundary conditions. Application: ANSYS simulations including structural, thermal and modal analysis and contact technology.

Prerequisites: ME 380 Minimum Grade of C AND MATH 305 Minimum Grade of C

ME 482 - Mechanical Engineering Design I - 3 (FS)

Problem solving methodology used in design, analysis and synthesis of mechanical and thermal systems; and exploring, selecting, documenting, writing and presenting a project proposal. Not for Graduate Credit.

Prerequisites: ME 350 Minimum Grade of C AND ME 370 Minimum Grade of C AND ME 380 Minimum Grade of C

ME 484 - Mechanical Engineering Design II - 3 (FS)

Application of engineering principles and sciences to the design mechanical systems or processes; production working prototypes or simulated models; and writing and presenting final project reports. Not For Graduate Credit.

Prerequisites: ME 482 Minimum Grade of C

ME 492 - Topics in Mechanical Engineering - 1 to 6 (FMS)

Selected topics of special interest in mechanical engineering. May be repeated to a maximum of 6 hours so long as no topic is repeated. Not for graduate credit. Requires consent of department chair or program director.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Dept Chair-Program Director

Management (MGMT)

MGMT 330 - Understanding the Business Environment - 3 (FMS)

Focus is on developing basic business communication skills in written communication and formal presentations and introducing students to the basic functions of businesses and managers.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Levels: Undergraduate

MGMT 331 - Managing Group Projects - 3 (FMS)

This course is strongly geared toward skill development and acquiring task and interpersonal skills to work effectively in a group to accomplish stated goals.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys, Must be enrolled in one of the following Levels: Undergraduate

MGMT 377 - Data Analysis for Managers - 3 (FS)

The purpose of this course is to provide students with the skills needed to conduct research and analyze data to inform managerial decision-making.

Prerequisites: MS 251 AND ACCT 200 AND MGMT 330
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 425 - Managing Workplace Information - 3 (F)

This advanced study course is designed to expose students to the field of organizational communication (its theories, research and practice), including history, communicating identity and

identification, leadership communication, organizational culture, networks in organizations, crisis communication, organizing for change, and global and organizational communication.

Prerequisites: MGMT 330
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 430 - Human Resource Management - 3 (FMS)

Theory, practice and trends in effective utilization of human resources in organizations.

Prerequisites: MGMT 330 and MGMT 331.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MGMT 431 - Recruiting, Selecting and Hiring Employees - 3 (FM)

Principles, practices and issues relevant to staffing work organizations. Topics include employee recruitment approaches; selection procedure development; work force headcount planning; and equal employment regulations.

Prerequisites: MGMT 430
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 432 - Training and Developing Employees - 3 (S)

Principles, practices and factors that contribute to employees' job competence, performance, growth, and contribution to organizational performance. Topics include training assessment, development, and delivery.

Prerequisites: MGMT 430
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 433 - Performance Management and Compensation - 3 (S)

This course focuses on the importance of performance management in the workplace, including performance assessment, compensation and workplace safety, along with performance in union environments.

Prerequisites: MGMT 430
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 441 - Strategic Management - 3 (FMS)

Capstone course using top management perspective to develop comprehensive, integrative analysis of organizations and environments as basis for development, implementation, evaluation, control of overall strategy. Not for Graduate credit.

Prerequisites: Completion of Business core: MKTG 300 AND CMIS 342 AND (SCM 315 or PROD 315). Completion of FIN 320 and MGMT 330 and MGMT 331, Business Major, and 109 credit hours toward the degree.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 445 - Interpersonal Dynamics: Conflict, Power and Negotiation - 3 (F)

Working with, through, and for people is the essence of organization life. This course focuses on the individual and interpersonal skills needed to navigate the human side of work.

Prerequisites: MGMT 331
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 451 - Managing Organizational Change and Innovation - 3 (FS)

Study of organizational change with emphasis on diagnostic skills necessary for effective management of planned organizational change. Individual and group leadership approaches to increase effectiveness.

Prerequisites: MGMT 341 OR (MGMT 330 AND MGMT 331)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MGMT 461 - Managing in the Global Economy/International Management - 3 (FS)

Management of business in other countries and in global economy. Interaction of political, cultural, social, legal, and economic forces in international business context.

Attributes: EGC
Prerequisites: MGMT 341 OR (MGMT 330 AND MGMT 331)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MGMT 470 - Leading in Organizations - 3 (S)

This course is designed to provide students with a real sense of what it feels like to "be in charge". The course uses problems presented in the text, cases, and assignments to give students a better understanding of how complicated an act of leadership can be. Students will have the opportunity to better understand the dynamics of leadership, and to improve their own personal performance.

Prerequisites: MGMT 330 AND MGMT 331
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 475 - Entrepreneurship and New Venture Development - 3 (FS)

Explores the formation and development of new entrepreneurial ventures, with a focus on identifying opportunities, launching a startup, and devising go-to-market strategies.

Prerequisites: MGMT 330 AND MGMT 331
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 476 - Entrepreneurship Practicum - 3 (FS)

Practicum in entrepreneurship. Application of knowledge from MGMT 475 to challenges facing small and new businesses. Students work with local entrepreneurs under faculty direction. Not for graduate credit.

Attributes: EGC
Prerequisites: MGMT 475
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MGMT 485 - Managing Quality and Performance - 3 (S)

Current topics in management, with special emphasis on designs, programs and techniques for managing quality and performance improvements. Advanced readings and cases on innovative business practices.

Prerequisites: MGMT 341 OR (MGMT 330 AND MGMT 331)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MGMT 488 - Management Internship - 3 (FS)

Individualized learning experience designed to connect student classroom learning to professional employment setting. Provides practical experience in the Management field to provide application of theory to actual problems in a non-classroom situation.

Restrictions: Must be enrolled in one of the following Concentrations: Management, May not be enrolled as the following Classifications: Freshman; Sophomore, Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

MGMT 490 - Independent Study in Management - 1 to 3 (FS)

Topical areas of concentrated study under faculty direction. Allows for advanced, more in-depth exploration of management issue than in regular courses. Not for graduate credit. Requires consent of department chair or program director.

Prerequisites: MGMT 341 OR (MGMT 330 AND MGMT 331)
Restrictions: Must be enrolled in one of the following Colleges: School of Business

Registration Consent: Instructor

MGMT 495 - Special Topics in Management - 3 (FS)

Advanced and specialized topics of current concern to field of management. May be repeated up to a maximum of 6 hours provided no topic is repeated. Requires consent of instructor.

Prerequisites: MGMT 341 OR (MGMT 330 AND MGMT 331)
Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Instructor

Marketing (MKTG)

MKTG 300 - Principles of Marketing - 3 (FMS)

Marketing in economic systems and society. External influences on marketing objectives, and outcomes. Marketing as functional area within organizations. Emphasis on product, pricing, distribution, and promotion decisions.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 377 - Marketing Research - 3 (FMS)

Concepts necessary for understanding/performing applied marketing/business research. Research process: problem identification, design, sampling, data sources, and collection. Experimental designs, measurement, and statistical analysis.

Prerequisites: MKTG 300 AND MS 251.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MKTG 465 - Social and Nonprofit Marketing - 3

This course presents marketing principles from the Nonprofit perspective and includes coverage of for-profit social and cause marketing strategies.

Prerequisites: MKTG 300.

MKTG 466 - Digital Marketing - 3 (S)

Focus on marketing issues surrounding commercialization of world wide web and other emerging electronic media. Examines impact of digital technology on strategic marketing planning.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 467 - Product and Brand Management - 3 (M)

This course provides the necessary frameworks, tools, and techniques to make the process of developing and managing products and services more effective and efficient.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 468 - Services Marketing - 3

This course is designed to provide students with a fundamental understanding of services marketing with an emphasis on applying marketing decision making within service environments.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 470 - Sport Marketing - 3 (S)

Sport marketing mix decisions from perspective of organizations that offer sports-related products and those that use sport to promote other products and services. Requires completion of stated prerequisite or consent of instructor.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business

Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 471 - Advertising Policy & Management - 3 (F)

Strategic role of persuasive communication. Concepts and methods necessary to develop advertising programs. Advertising planning and budgeting in the context of achieving marketing objectives.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 472 - Sales Policy & Management - 3 (F)

Organization and operational functions of salespeople and sales managers. Selling skills; forecasting; recruiting; selection; training; territory design and assignment; supervision; compensation; motivation; and performance appraisal.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 474 - Retail Policy & Mgmt - 3 (S)

Functions, organization, and management of retail enterprises. Impact of recent and contemporary forces. Systems for merchandising and promotional activities. Retailing careers and appropriate preparation.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 475 - Consumer Behavior - 3 (FS)

Consumer motivation, buying behavior, group influence, cultural forces, information processing, and product diffusion. Explanatory theories and product development.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 476 - International Marketing - 3 (FS)

Impact of tariffs, cultural/social restrictions, economic political environments, and legal restrictions. International distribution pricing; multinational product planning; communications decisions; and international marketing research.

Attributes: EGC
Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Accountancy,Business Administration,Business Economics and Finance,Computer Management and Info Sys

MKTG 479 - Special Topics in Marketing - 3 (FS)

Contemporary issues/problems in marketing. Topic varies when offered. Examples: service marketing; industrial marketing; non-profit marketing; and other significant topics. May repeat as topic varies.

Prerequisites: MKTG 300.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MKTG 480 - Advanced Marketing Management - 3 (FS)

Market structure and behavior. Research and select marketing opportunities. Develop marketing strategies. Plan marketing tactics. Implementation and control of marketing efforts.

Prerequisites: MKTG 377 AND Two of the following: MKTG 465, 466, 467, 468, 470, 471, 472, 474, 475, 476, 479, 488
Restrictions: Must be enrolled in one of the following Colleges: School of Business

MKTG 488 - Marketing Internship - 3 (FS)

Individualized learning experience designed to connect student classroom learning to professional employment setting. Provides practical experience in the Marketing field to provide application of theory to actual problems in a non-classroom situation.

Restrictions: Must be enrolled in one of the following Concentrations: Marketing, May not be enrolled as the following Classifications: Freshman; Sophomore, Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

MKTG 490 - Independent Study in Marketing - 1 to 3

Topical areas in greater depth or unavailable in regular courses. Individual or small group readings and/or research projects. May be repeated to 6 hours by permission. Requires consent of department chair or program director.

Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

Mechatronics & Robotics Engr (MRE)

MRE 198 - Mechatronics and Robotics Engineering Work Experience I - 0 (FS)

Supervised work experience with agency, firm, or organization that uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Registration Consent: Advisor

MRE 199 - Mechatronics and Robotics Engineering Cooperative Education I - 0 (FMS)

Supervised work experience with agency, firm, or organization that uses engineers. First work period of five-year academic/work experience program.

Restrictions: Must be enrolled in one of the following Majors: Mechatronics and Robotics Engr, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Advisor

MRE 298 - Mechatronics and Robotics Engineering Work Experience II - 0 (FS)

Supervised work experience with agency, firm, or organization that uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: MRE 198
Registration Consent: Advisor

MRE 299 - Mechatronics and Robotics Engineering Cooperative Education II - 0 (FMS)

Supervised work experience with agency, firm, or organization that uses engineers. Second work period of five-year academic/work experience program.

Restrictions: Must be enrolled in one of the following Majors: Mechatronics and Robotics Engr, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Advisor

MRE 320 - Sensors and Actuators - 3 (FS)

Sensors and transducers for motion, force, pressure, temperature, and fluid flow. Dynamic range, repeatability, sensibility, and noise. Instrumentation and interface for sensors. Actuators and their control.

Prerequisites: ME 356 Minimum Grade of C (concurrency allowed)

MRE 358 - Introduction to Mechatronics - 3 (S)

Dynamic response; fundamentals of electronic and logic circuits; sensors and instrumentation for strains, movements and fluid flow; actuators and power transmission devices; feedback control.

Prerequisites: ME 356 Minimum Grade of C

MRE 380 - Design of Machine Elements - 3 (FS)

Stress and deformation; buckling; failure theories for static and fatigue loading; design of gears, shafts and other.

Prerequisites: ME 354 Minimum Grade of C (concurrency allowed) AND CE 242 Minimum Grade of C

MRE 398 - Mechatronics and Robotics Engineering Work Experience III - 0 (FS)

Supervised work experience with agency, firm, or organization that uses engineers. Intended for students who have part-time cooperative experience jobs. Limited to students enrolled in more than 6 credit hours.

Attributes: COOP
Prerequisites: MRE 298
Registration Consent: Advisor

MRE 399 - Mechatronics and Robotics Engineering Cooperative Eduucation III - 0 (FS)

Supervised work experience with agency, firm, or organization that uses engineers. Third work period of five-year academic/work experience program.

Restrictions: Must be enrolled in one of the following Majors: Mechatronics and Robotics Engr, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Advisor

MRE 426 - Systems Engineering - 3 (F)

An interdisciplinary engineering and management approach to develop complex systems. Topics include requirements allocation, trade studies, optimization and robustness, verification and validation, reliability, and risk management. Not for graduate credit. Same as ME 426.

Restrictions: Must be enrolled in one of the following Majors: Mechanical Engineering,Mechatronics and Robotics Engr, Must be enrolled in one of the following Classifications: Junior; Senior

MRE 454 - Robotics Dynamics & Control - 3 (F)

(Same as ECE 467 and ME 454) Robotics, robot kinematics/ inverse kinematics, trajectory planning, differential motion/virtual work principle, dynamics and control. Prerequisites: consent of instructor.

Prerequisites: ME 356 Minimum Grade of C AND MATH 321 Minimum Grade of C.
Registration Consent: Instructor

MRE 462 - Robotic Vision - 3

Learn fundamentals of computer vision including image formation and analyses. Apply robotics, computer vision and control in solving problems of mobile and arm-type robots.

Prerequisites: MATH 321 Minimum Grade of C, or Graduate Standing (GM).

MRE 477 - Computer Integrated Manufacturing Systems - 3 (S)

(Same as IE 477). Application of robot theory integrated with automated manufacturing systems. Emphasis on design laboratory exercises. Prerequisite: IE 470, IE 476, and CS 145, all with a C or better, or consent or instructor, or graduate standing.

Prerequisites: IE 470 Minimum Grade of C and IE 476 Minimum Grade of C and CS 145 Minimum Grade of C, or consent of instructor, or Graduate standing.

MRE 480 - Design in Mechatronics and Robotics I - 3 (F)

Problem solving methodology used in design, analysis and synthesis of robotics, mechatronics and automation; exploring, selecting, documenting, writing and presenting proposal

Prerequisites: ECE 211 Minimum Grade of C AND MRE 320 Minimum Grade of C AND MRE 358 Minimum Grade of C.

MRE 481 - Design in Mechatronics and Robotics II - 3 (FS)

Application of engineering principles and sciences to the design of systems or processes in Robotics, Mechatronics or Automation; production of working prototypes or simulated models; writing and presenting final project reports.

Prerequisites: MRE 480 Minimum Grade of C.

MRE 492 - Topics in Mechatronics and Robotics

Engineering - 1 to 6 (MS)

Selected topics of special interest in mechatronics and robotics engineering. May be repeated to a maximum of 6 hours so long as no topic is repeated. Not for graduate credit.

Restrictions: Must be enrolled in one of the following Majors: Mechatronics and Robotics Engr, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

Management Science (MS)

MS 250 - Mathematical Methods For Business Analysis - 3 (FMS)

Mathematical tools required for business analysis; business applications of functions, graphing, solving systems of equations, matrix algebra, counting rules, differentiation, and integration.

Attributes: PS
Prerequisites: (MATH 120 Minimum Grade of C OR MATH 120E Minimum Grade of C OR MATH 120I Minimum Grade of C OR MATH 125 Minimum Grade of C) AND ECON 112 Minimum Grade of C.

MS 251 - Statistical Analysis For Business Decisions - 4 (FMS)

Descriptive statistics; probability; inferential statistics; estimation and hypothesis testing of means and proportions; simple and multiple regression; and analysis of variance and contingency table analysis. IAI Course BUS 901.

Attributes: BICS, EL, IBUS, PS
Prerequisites: (MS 250 Minimum Grade of C OR MATH 150 Minimum Grade of C) AND ECON 111 Minimum Grade of C AND ECON 112 Minimum Grade of C

Military Science (MSC)

MSC 101 - Introduction to Military Science - 2 (F)

Introduction to the Army and critical thinking. Issues and professional competencies central to a commissioned officer's responsibilities. Establish a framework for understanding officership, leadership, and Army values. Includes subjects such as goal setting, time management, and health and fitness.

Attributes: EH

MSC 102 - Introduction to Military Operations - 2 (S)

Introduction to the profession of arms and professional competence. Study of the modern battlefield and its relationship to leadership, team building, and stress management. Individual communication skills and group dynamics are stressed. Comprehends the Army as a values based organization.

MSC 122 - Survivor Training - 2 (FS)

Students learn survival and leadership skills to include: finding food/water, make shelter, conduct land navigation, climate adjustment, first aid, rappelling, and water survival.

MSC 201 - Applied Military Leadership - 3 (F)

Detailed instruction and practical exercises in leadership, team building, problem solving, planning, organizing and decision-making. Army Values and Warrior Ethos and their relationship to Army Leadership and the American people. Requires completion of stated prerequisites or prior service and instructor approval.

Prerequisites: MSC 101 AND MSC 102
Registration Consent: Instructor

MSC 202 - Small Unit Leadership - 3 (S)

Army Doctrine, the Law of Land Warfare and cultural awareness are covered. Instruction in use of analytical aids in planning, organizing, and controlling a changing environment. Team building and tactical decisions are studied. Requires completion of stated prerequisites or prior service and instructor approval.

Prerequisites: MSC 101 AND MSC 102 AND MSC 201
Registration Consent: Instructor

MSC 222 - US Military History - 3 (FS)

This course provides a comprehensive survey of the

American military experience from the colonial era to the present-day War on Terror.

MSC 301 - Advanced Leadership Management - 3 (F)

Platoon operations. Review of skills, techniques and concepts required by the small-unit leader: troop leading procedures, land navigation skills, tactical organization, and offensive tactics. Requires completion of stated prerequisites or prior service and instructor approval.

Attributes: EH
Prerequisites: MSC 101 AND MSC 102 AND MSC 201 AND MSC 202

MSC 302 - Small Unit Leadrship & Tactics - 3 (S)

Review of skills, techniques, and concepts required by the small-unit leader: risk management, troop-leading procedures, fire-control skills, motivation skills, communications skills, tactical analysis offensive tactics. Requires completion of stated prerequisites or prior service and instructor approval.

Prerequisites: MSC 101 AND MSC 102 AND MSC 201 AND MSC 202 AND MSC 301
Registration Consent: Instructor

MSC 401 - Leadership & Management - 3 (F)

Mission command and Army operations; training management; Army leader ethics, communications; leadership skills; staff organization and coordination; and counseling skills. Explores practical aspects of military law. Requires consent of instructor.

Prerequisites: MSC 301 AND MSC 302
Registration Consent: Instructor

MSC 402 - Officership - 3 (S)

Mission command at the company grade level. Development of interpersonal skills required for effective management with particular emphasis on the military environment. Reviews various roles of the newly commissioned army officer. Not for graduate credit. Requires consent of instructor.

Prerequisites: MSC 301 AND MSC 302 AND MSC 401
Registration Consent: Instructor

MSC 490 - Independent Study in Military Science - 3 (FMS)

Students accomplish a task or project based on initial counseling & consideration of student learning goals and department capabilities. Develops student's ability to work with minimal supervision, establish goals, meet deadlines, and execute project management.

Registration Consent: Instructor

MSC 495 - Special Topics in Military Science - 3 (S)

Advanced and specialized topics of current concern to the field of military science. Examples may include advanced survival training, military mountaineering and rappelling, advanced military career fields, and other significant topics.

Restrictions: Must be enrolled in one of the following Departments: Military Science
Registration Consent: Dept Chair-Program Director

Music (MUS)

MUS 100 - Convocation - 0 (FS)

Exposure to a wide variety of musical repertory as performed by students from the department of music.

Attributes: FPA

MUS 101 - Special Topics in Music - 0 to 3

Special topics in music.

Attributes: FPA

MUS 105 - World Music Ensemble - 1 (FS)

An instrumental group for musicians from any culture to share his/her musical traditions as well as learn and perform the music of other cultures.

Attributes: EGC

MUS 111 - Introduction to Music History &

Literature - 3 (FMS)

Elements of music. Important composers, periods, styles and forms of music. IAI Course F1 900.

Attributes: BFPA, IAFA

MUS 112 - Class Applied Woodwinds - 1 (S)

Introductory methods for teaching selected woodwind instruments (saxophone, clarinet, flute, oboe, bassoon) in elementary and secondary schools.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Music

MUS 113 - Class Applied Brass - 1 (F)

Introductory methods for teaching these instruments in elementary and secondary schools.

Attributes: FPA

MUS 114 - Class Applied Percussion - 1 (F)

Introductory methods for teaching these instruments in elementary and secondary schools.

Attributes: FPA

MUS 115A - Class Applied Voice - 1 (F)

Training in singing, diction, and teaching voice students. Introductory. Must be taken in sequence.

Attributes: FPA

MUS 115B - Class Applied Voice - 1 (S)

Training in singing, diction, and teaching voice students. Introductory. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 115A Minimum Grade of C.

MUS 116 - Class Applied Strings - 1 (S)

Introductory techniques and methods for teaching selected string instruments (violin, viola, cello, bass) in elementary and secondary schools.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Music

MUS 120B - Fundamentals of Music II - 2 (S)

Theory. Introduction to reading music including pitch, scales, key signatures, intervals, rhythm, time signatures, and notation. Prerequisites: Music Theory Fundamentals Diagnostic and instructor and advisor permission or MUS 120A with a grade of C or better.

Attributes: BFPA
Prerequisites: MUS 120A Minimum Grade of C.
Registration Consent: Instructor and Advisor

MUS 121A - Class Applied Piano - 1 (F)

Practical instruction for passing proficiency examination in piano which is required for all music concentrations. Must be taken in sequence. Prerequisite: Complete the Music Theory Fundamentals Diagnostic at 90% or better and instructor and advisor consent, or complete MUS 120B with a grade of B or better.

Attributes: FPA
Prerequisites: Complete the Music Theory Fundamentals Diagnostic at 90% or better and instructor and advisor consent, or complete MUS 120B Minimum Grade of B.
Registration Consent: Instructor and Advisor

MUS 121B - Class Applied Piano - 1 (S)

Practical instruction for passing proficiency examination in piano which is required for all music concentrations. Must be taken in sequence. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 121A Minimum Grade of C AND MUS 125A Minimum Grade of C. Corequisite(s): MUS125B.
Corequisites: MUS125B

MUS 124 - Foundations of Music - 3 (FS)

Overview of the principles and procedures applicable to reading, writing, and perception of music including, rhythm, pitch, notation, scales, keys, intervals, and chord structures; and symbols and performance terms with reference to application to musical form and design. [Dist. FAH]

Attributes: BFPA

MUS 125A - Theory of Music - 3 (F)

Fundamentals of music including notation, tonal harmony, rhythm, voice leading, counterpoint, and form. Must be taken in sequence. Prerequisites: Complete the Music Theory Fundamentals Diagnostic at 90% or better and instructor and advisor consent or complete MUS 120B with a grade of B or better.

Attributes: BFPA
Prerequisites: MUS 120B Minimum Grade of B. Corequisite(s): MUS 121A, MUS 126A.
Corequisites: MUS121A, MUS126A
Registration Consent: Instructor and Advisor

MUS 125B - Theory of Music - 3 (S)

Fundamentals of music including notation, tonal harmony, rhythm, voice leading, counterpoint, and form. Must be taken in sequence.

Attributes: BFPA
Prerequisites: MUS 125A Minimum Grade of C. Corequisite(s): MUS 121B, MUS 126B.
Corequisites: MUS121B, MUS126B
Registration Consent: Advisor

MUS 126A - Aural Skills - 1 (F)

Ear training and sight singing. Must be taken in sequence.

Attributes: FPA
Prerequisites: Corequisite(s): MUS 121A, MUS 125A.
Corequisites: MUS121A, MUS125A
Registration Consent: Advisor

MUS 126B - Aural Skills - 1 (S)

Ear training and sight singing. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 121A Minimum Grade of C AND MUS 125A Minimum Grade of C AND MUS 126A Minimum Grade of C. Corequisite: MUS 121B, MUS 125B
Corequisites: MUS121B, MUS125B
Registration Consent: Advisor

MUS 139A - Diction For Singers - 2 (F)

Knowledge of diction through use of the international phonetic alphabet and its application to song literature: English, Italian, and German. Must be taken in sequence. Requires consent of advisor.

Attributes: FPA
Prerequisites: MUS 140Q Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 139B - Diction For Singers - 2 (S)

Knowledge of diction through use of the international phonetic alphabet and its application to song literature: German and French. Must be taken in sequence. Requires consent of advisor.

Attributes: FPA
Prerequisites: MUS 140Q Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140A - Private Applied Music: Violin - 2 or 4 (FS)

Violin. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Requires consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140B - Private Applied Music: Viola - 2 or 4 (F)

Viola. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all

secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140C - Private Applied Music: Cello - 2 or 4 (FS)

Cello. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140D - Private Applied Music: String Bass - 2 or 4 (FS)

String bass. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140E - Private Applied Music: Flute - 2 or 4 (FS)

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140F - Private Applied Music: Oboe - 2 or 4 (FaS)

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140G - Private Applied Music: Clarinet - 2 or 4 (FS)

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140H - Private Applied Music: Bassoon - 2 or 4 (SaF)

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with

adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA

MUS 140I - Private Applied Music: Saxophone - 2 or 4 (FS)

Saxophone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140J - Private Applied Music: Percussion - 2 or 4 (FS)

Percussion. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140K - Private Applied Music: Piano - 2 or 4 (FS)

Piano. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140L - Private Applied Music: Horn - 2 or 4 (FS)

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140M - Private Applied Music: Trumpet - 2 or 4 (FS)

Trumpet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140N - Private Applied Music: Trombone - 2 or 4 (FS)

Trombone. Offered at five levels in areas listed.

Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140O - Private Applied Music: Tuba - 2 or 4 (FS)

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140P - Private Applied Music: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 140Q - Private Applied Music: Voice - 2 or 4 (FS)

Voice. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140R - Private Applied Music: Organ - 2 or 4 (F)

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 140U - Private Applied Music: Guitar - 2 or 4 (FS)

Guitar. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisite: consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141D - Private Jazz: Bass - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141I - Private Jazz: Saxophone - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141J - Private Jazz: Percussion - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141K - Private Jazz: Piano - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141M - Private Jazz: Trumpet - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141N - Private Jazz: Trombone - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141Q - Private Jazz: Voice - 2 or 4 (S)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 141U - Private Jazz: Guitar - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 144 - Kyna: Women's Glee - 0 or 1 (FS)

Non-Auditioned Chorus open to singers campus-wide who desire a quality experience featuring outstanding repertoire.

Attributes: FPA

MUS 146 - Gospel Choir - 1

Rehearsal and performance of gospel style music. This course provides a curricular experience for students who wish to develop their skills and expand their knowledge in this type of art form. May be repeated.

Attributes: FPA

MUS 165A - Piano Practicum - 1 (F)

Keyboard harmony, sight reading, transposition, improvisation, ensemble skills, and technique. Must be taken in sequence. Required for all keyboard majors.

Attributes: FPA

MUS 165B - Piano Practicum - 1 (S)

Keyboard harmony, sight reading, transposition, improvisation, ensemble skills, and technique. Must be taken in sequence. Required for all keyboard majors.

Attributes: FPA

MUS 201 - Music Education Intro - 1 (FS)

Explore music teaching as a vocation. Off-campus visits to schools required outside class time: Freshman standing or permission of instructor.

Attributes: BFPA

Restrictions: Must be enrolled in one of the following Classifications: Freshman, 1st Semester; Freshman

MUS 212A - Applied Composition - 2 (FS)

Original composition. Theory/Composition majors must earn a grade of "B" or better.

Attributes: FPA
Prerequisites: MUS 227 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 212B - Applied Composition - 2 (FS)

Original composition. Theory/Composition majors must earn a grade of "B" or better.

Attributes: FPA
Prerequisites: MUS 212A Minimum Grade of B.

MUS 221A - Class Applied Piano - 1 (F)

Practical instruction for passing piano proficiency required of all music concentrations. Must be taken in sequence. Requires completion of stated prerequisite or instructor permission required.

Attributes: FPA
Prerequisites: MUS 121B Minimum Grade of C.

MUS 221B - Class Applied Piano - 1 (S)

Practical instruction for passing piano proficiency required of all music concentrations. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 221A Minimum Grade of C.

MUS 222 - University Band - 0 or 1 (FS)

Wind/percussion ensemble. No audition required. May be repeated to 8 hours.

Attributes: FPA

MUS 225A - Theory of Music - 4 (F)

Advanced harmonic techniques, modulation, altered chords, chromatic harmony, counterpoint, and introduction to contemporary harmonic principles. Must be taken in sequence.

Attributes: BFPA
Prerequisites: MUS 125B Minimum Grade of C.

MUS 225B - Theory of Music - 4 (S)

Advanced harmonic techniques, modulation, altered chords, chromatic harmony, counterpoint, and introduction to contemporary harmonic principles. Must be taken in sequence.

Attributes: BFPA
Prerequisites: MUS 225A Minimum Grade of C.

MUS 227 - Intro to Applied Composition - 2 (S)

Introduction to materials and methods of original composition, including notation, melody, harmony, rhythm, and style. Weekly seminar required.

Attributes: FPA
Prerequisites: MUS 225A Minimum Grade of B.

MUS 230 - Beginning Improvisation - 1 (FS)

Theory and techniques; functional harmony; melodic form; special scales; tune studies; ear training; and development of style. Requires consent of advisor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 231 - Jazz Keyboard Theory - 2 (F)

Jazz keyboard theory is designed for (but not limited to) jazz performance majors as a jazz theory course using the piano keyboard and computer as a facilitator

Attributes: FPA

MUS 233 - Guitar Ensemble - 0 or 1 (FS)

May be repeated. Requires consent of advisor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Music

MUS 240A - Private Applied Music: Violin - 2 or 4 (FS)

Violin. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with

adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140A Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 240B - Private Applied Music: Viola - 2 or 4 (FS)

Viola. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 240C - Private Applied Music: Cello - 2 or 4 (FS)

Cello. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140C Minimum Grade of C.

MUS 240D - Private Applied Music: String Bass - 2 or 4

String bass. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140D Minimum Grade of C.

MUS 240E - Private Applied Music: Flute - 2 or 4 (FS)

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140E Minimum Grade of C.

MUS 240F - Private Applied Music: Oboe - 2 or 4 (FS)

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4

hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140F Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 240G - Private Applied Music: Clarinet - 2 or 4 (FS)

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140G Minimum Grade of C.

MUS 240H - Private Applied Music: Bassoon - 2 or 4 (F)

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140H Minimum Grade of C.

MUS 240I - Private Applied Music: Saxophone - 2 or 4 (FS)

Saxophone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140I Minimum Grade of C.

MUS 240J - Private Applied Music: Percussion - 2 or 4 (FS)

Percussion. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140J Minimum Grade of C.

MUS 240K - Private Applied Music: Piano - 2 or 4 (FS)

Piano. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or

permit required.

Attributes: FPA
Prerequisites: MUS 140K Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 240L - Private Applied Music: Horn - 2 or 4 (FaS)

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140L Minimum Grade of C.

MUS 240M - Private Applied Music: Trumpet - 2 or 4 (FS)

Trumpet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140M Minimum Grade of C.

MUS 240N - Private Applied Music: Trombone - 2 or 4 (FS)

Trombone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140N Minimum Grade of C.

MUS 240O - Private Applied Music: Tuba - 2 or 4 (F)

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140O Minimum Grade of C.

MUS 240P - Private Applied Music: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140P Minimum Grade of C.

MUS 240Q - Private Applied Music: Voice - 2 or 4 (FS)

Voice. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140Q Minimum Grade of C.

MUS 240R - Private Applied Music: Organ - 2 or 4

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140R Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 240U - Private Applied Music: Guitar - 2 or 4 (FS)

Guitar. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 140U Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 241D - Private Jazz: Bass - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141D Minimum Grade of C.

MUS 241I - Private Jazz: Saxophone - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141I Minimum Grade of C.

MUS 241J - Private Jazz: Percussion - 2 or 4 (FS)

Private Jazz - Individual instruction in performance

of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141J Minimum Grade of C.

MUS 241K - Private Jazz: Piano - 2 or 4 (F)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141K Minimum Grade of C.

MUS 241M - Private Jazz: Trumpet - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141M Minimum Grade of C.

MUS 241N - Private Jazz: Trombone - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141N Minimum Grade of C.

MUS 241Q - Private Jazz: Voice - 2 or 4 (aF)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141Q Minimum Grade of C.

MUS 241U - Private Jazz: Guitar - 2 or 4 (F)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two

semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 141U Minimum Grade of C.

MUS 244 - Choral Union - 0 or 1 (FS)

Performs literature from all eras. Open to all students. May be repeated.

Attributes: FPA

MUS 267 - History of Music I - 2 (S)

Includes significant topics and repertories in European music history before c.1800.

Attributes: BHUM, EGC, FPA
Prerequisites: MUS 125A Minimum Grade of C.

MUS 301A - Music Education Methods: Elementary - 2 (F)

Teaching music: (a) Elementary. (b) Secondary-Vocal and General; (c) Secondary- Instrumental. For music concentration only. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 112 Minimum Grade of C AND MUS 115A Minimum Grade of C AND MUS 115B Minimum Grade of C AND MUS 116 Minimum Grade of C AND MUS 201 Minimum Grade of C AND MUS 221A Minimum Grade of C AND MUS 221B Minimum Grade of C AND MUS 225B Minimum Grade of C AND CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C.

MUS 301B - Music Education Methods: Secondary Vocal & General - 2 (S)

Teaching music: (a) Elementary. (b) Secondary-Vocal and General; (c) Secondary- Instrumental. For music concentration only. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 112 Minimum Grade of C AND MUS 115A Minimum Grade of C AND MUS 115B Minimum Grade of C AND MUS 116 Minimum Grade of C AND MUS 201 Minimum Grade of C AND MUS 221A Minimum Grade of C AND MUS 221B Minimum Grade of C AND MUS 225B Minimum Grade of C AND MUS 301A Minimum Grade of C AND CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C.

MUS 301C - Music Education Methods: Secondary Instrumental - 2 (F)

Teaching music: (a) Elementary. (b) Secondary-Vocal and General; (c) Secondary- Instrumental. For music concentration only. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 112 Minimum Grade of C AND MUS 115A Minimum Grade of C AND MUS 115B Minimum Grade of C AND MUS 116 Minimum Grade of C AND MUS 201 Minimum Grade of C AND MUS 221A Minimum Grade of C AND MUS 221B Minimum Grade of C AND MUS 225B Minimum Grade of C AND MUS 318A Minimum Grade of C AND MUS 318B Minimum Grade of C AND CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C.

MUS 305 - Non-Western Music - 3 (S)

Covers the basic elements of music and perceptive listening as they relate to non-western music. Examines the music-culture of several non- western societies.

Attributes: BFPA, EGC

MUS 309 - Orchestration - 3 (F)

Writing for orchestral instruments.

Attributes: BFPA
Prerequisites: MUS 225B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 312A - Applied Composition - 3 (F)

Original composition. Must be taken in sequence. Weekly seminar required. Requires completion of stated prerequisite or instructor permission.

Attributes: BFPA
Prerequisites: MUS 212B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 312B - Applied Composition - 3 (S)

Original composition. Must be taken in sequence. Weekly seminar required. Requires completion of stated prerequisites or instructor permission.

Attributes: BFPA
Prerequisites: MUS 312A Minimum Grade of C.

MUS 318A - Conducting - 2 (F)

General fundamental conducting patterns, conducting experience, musical terminology. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 318B - Conducting - 2 (S)

Choral and instrumental conducting experience, rehearsal techniques, analysis of literature suitable for all levels of ability. Must be taken in sequence.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C AND MUS 318A Minimum Grade of C.

MUS 322 - Wind Symphony - 0 or 1 (FS)

NO DESCRIPTION May be repeated to 16 hours. Registration by audition.

Attributes: FPA

MUS 326 - Analysis - 3 (F)

Exploration of important musical forms and styles from both a theoretical and historical context.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 330 - Intermediate Improvisation - 1 (FS)

Theory and techniques, functional harmony, melodic form, special scales, tune studies, ear training, and development of style. Requires instructor permission.

Attributes: BFPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 331 - Jazz Keyboard Theory - 2 (S)

Jazz keyboard theory is designed for (but not limited to) jazz performance majors as a jazz theory course using the piano keyboard and computer as the facilitator.

Attributes: BFPA
Prerequisites: MUS 231 Minimum Grade of C.

MUS 333 - Jazz Combo - 0 or 1 (FS)

Small jazz ensemble performance experiences which stress improvisation. Jazz styles ranging from swing to contemporary jazz/rock fusion. Difficulty levels vary according to the abilities of students. Registration by audition.

Attributes: FPA

MUS 337 - Evolution of Jazz Styles - 3 (F)

For music majors. Historical research and analysis of particular styles of jazz innovators.

Attributes: EUSC, FPA
Restrictions: Must be enrolled in one of the following Majors: Music

MUS 338 - Introduction to Jazz - 3 (S)

Jazz forms and styles: development, illustrations, and performance.

Attributes: BFPA, EUSC

MUS 340A - Private Applied Music: Violin - 2 or 4 (FS)

Violin. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240A Minimum Grade of C.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 340B - Private Applied Music: Viola - 2 or 4

Viola. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 340C - Private Applied Music: Cello - 2 or 4 (FS)

Cello. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240C Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 340D - Private Applied Music: String Bass - 2 or 4

String bass. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240D Minimum Grade of C.

MUS 340E - Private Applied Music: Flute - 2 or 4 (FS)

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240E Minimum Grade of C.

MUS 340F - Private Applied Music: Oboe - 2 or 4

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240F Minimum Grade of C.

MUS 340G - Private Applied Music: Clarinet - 2 or 4 (FaS)

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240G Minimum Grade of C.

MUS 340H - Private Applied Music: Bassoon - 2 or 4

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240H Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 340I - Private Applied Music: Saxophone - 2 or 4 (FS)

Saxophone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240I Minimum Grade of C.

MUS 340J - Private Applied Music: Percussion - 2 or 4 (FS)

Percussion. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240J Minimum Grade of C.

MUS 340K - Private Applied Music: Piano - 2 or 4 (FaS)

Piano. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240K Minimum Grade of C.

MUS 340L - Private Applied Music: Horn - 2 or 4 (FS)

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be

repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240L Minimum Grade of C.

MUS 340M - Private Applied Music: Trumpet - 2 or 4 (FS)

Trumpet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240M Minimum Grade of C.

MUS 340N - Private Applied Music: Trombone - 2 or 4 (F)

Trombone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240N Minimum Grade of C.

MUS 340O - Private Applied Music: Tuba - 2 or 4 (F)

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240O Minimum Grade of C.

MUS 340P - Private Applied Music: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240P Minimum Grade of C.

MUS 340Q - Private Applied Music: Voice - 2 or 4 (FS)

Voice. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or

permit required.

Attributes: FPA
Prerequisites: MUS 240Q Minimum Grade of C.

MUS 340R - Private Applied Music: Organ - 2 or 4

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240R Minimum Grade of C.

MUS 340U - Private Applied Music: Guitar - 2 or 4 (F)

Guitar. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 240U Minimum Grade of C.

MUS 341D - Private Jazz: Bass - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241D Minimum Grade of C.

MUS 341E - Private Applied Mus: Flute - 2 or 4

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341F - Private Applied Mus: Oboe - 2 or 4

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341G - Private Applied Mus: Clarinet - 2 or 4

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4

hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341H - Private Applied Mus:Bassoon - 2 or 4

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341I - Private Jazz: Saxophone - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241I Minimum Grade of C.

MUS 341J - Private Jazz: Percussion - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241J Minimum Grade of C.

MUS 341K - Private Jazz: Piano - 2 or 4

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241K Minimum Grade of C.

MUS 341L - Private Applied Mus: Horn - 2 or 4

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341M - Private Jazz: Trumpet - 2 or 4 (aF)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241M Minimum Grade of C.

MUS 341N - Private Jazz: Trombone - 2 or 4

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241N Minimum Grade of C.

MUS 341O - Private Applied Mus:Tuba - 2 or 4

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341P - Private Applied Mus: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341Q - Private Jazz: Voice - 2 or 4

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241Q Minimum Grade of C.

MUS 341R - Private Applied Mus: Organ - 2 or 4

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341S - Private Applied Mus:Harpsichor - 2 or 4

Harpsichord. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341T - Private Applied Mus: Harp - 2 or 4

Harp. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 341U - Private Jazz: Guitar - 2 or 4 (FS)

Private Jazz - Individual instruction in performance of various jazz styles. Offered at four levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours, Concentrations in music education and all secondary concentrations usually take 2 hours. Prerequisite: for 141, permission required. For higher levels two semesters at previous level on same instrument. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 241U Minimum Grade of C.

MUS 341W - Private Applied Mus:Conducting - 2 to 4

Conducting. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 342 - Musical Theater Ensemble - 0 to 1 (FS)

Participation in a musical theater production under the auspices of the theater and/or music departments. May be repeated. Registration by audition.

Attributes: FPA

MUS 343 - Seminar in Musical Theatre Audition Techniques - 1

Discussion of Musical Theatre audition techniques. Topics will include: song selection and preparation, monologues, dance callbacks, interviews, resumes, and headshots.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 355B - Chamber Music Ensemble: Woodwinds - 0 or 1 (FS)

Woodwinds. May be taken in any sequence. Any part may be repeated for 8 semesters. Requires instructor permission.

Attributes: FPA

MUS 355C - Chamber Music Ensemble: Strings - 0 or 1 (FS)

Strings. May be taken in any sequence. Any part may be repeated for 8 semesters. Requires instructor permission.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 355D - Chamber Music Ensemble: Percussion - 0 or 1 (FS)

Percussion. May be taken in any sequence. Any part may be repeated for 8 semesters. Requires instructor permission.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 365 - Piano Ensemble - 0 to 1 (FS)

Vocal and instrumental accompanying; chamber music and piano duo literature. May be repeated up to 8 times. Requires consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 367A - History of Music II - 2 (F)

Includes significant topics and repertories in European music history c.1800 to the present. Prerequisite: MUS 125B and MUS 267 both with a C or better. Musical Theater majors are required only to complete MUS 125B with a C or better.

Attributes: BHUM, EGC
Prerequisites: MUS 267 Minimum Grade of C AND MUS 125B Minimum Grade of C.

MUS 367B - History of Music III - 2 (S)

Examines genres, styles, and global connections in European and other musical traditions.

Attributes: BHUM, EGC, FPA
Prerequisites: MUS 367A Minimum Grade of C AND MUS 225A Minimum Grade of C.

MUS 377 - University Symphony Orchestra - 0 to 1 (FS)

May be repeated for a maximum of 10 credit hours. Registration by audition.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 395A - Music Business - 3 (F)

Survey of music industry through study of music publishing; copyright; licensing; artist management; record production and merchandising; concert promotion; arts administration; advertising; and music in retail.

Attributes: BFPA

MUS 395B - Music Business - 3 (S)

Survey of music industry through study of music publishing; copyright; licensing; artist management; record production and merchandising; concert promotion; arts administration; advertising; and music in retail.

Attributes: BFPA

MUS 400A - Senior Assignment-B.A. Music - 0 (F)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior, Must be enrolled in one of the following Levels: Undergraduate

MUS 400B - Senior Assignment-Music Business - 0 (FS)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Majors: Music, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400C - Senior Assignment-Music Composition - 0 (S)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400E - Senior Assignment-Music Education - 0 (FS)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Majors: Music, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400H - Senior Assignment-Music History/Literature - 0 (S)

Specific projects are assigned per degreeprogram and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400J - Senior Assignment-Jazz Performance - 0 (FS)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400P - Senior Assignment-Music Performance - 0 (FS)

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400T - Senior Assignment-Music Theory - 0

Specific projects are assigned per degree program and are embedded in upper-level coursework.

Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior

MUS 400Z - Specific Projects in Music - 0 to 3

Designed for students who will be involved with a specific project: traveling to perform, present, or to develop specific skills related to major.

Restrictions: Must be enrolled in one of the following Majors: Music

MUS 409A - Jazz Arranging - 2 (F)

Basic skills of arranging for combo; big band; and studio orchestra. Writing project required for each course section. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C AND MUS 231 Minimum Grade of C.

MUS 409B - Jazz Arranging - 2 (S)

Basic skills of arranging for combo; big band; and studio orchestra. Writing project required for each course section. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 409A Minimum Grade of C.

MUS 411A - Music Literature - Symphonic - 2

Symphonic. Study of period, composer, style or medium. May be repeated provided no topic is repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 411B - Music Literature - Choral - 2

Choral. Study of period, composer, style or medium. May be repeated provided no topic is repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 411C - Music Literature - Chamber - 2

Chamber. Study of period, composer, style or medium. May be repeated provided no topic is repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 411D - Music Literature - Opera - 2

Opera. Study of period, composer, style or medium. May be repeated provided no topic is repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 411E - Music Literature: Special Areas - 2 (F)

Special areas. Study of period, composer, style or medium. May be repeated provided no topic is repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 411G - Music Literature: 20th Century - 2

Study of period, composer, style or medium. May be repeated as long as topic is different. NOT FOR GRADUATE CREDIT.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.
Restrictions: May not be enrolled as the following Levels: Graduate

MUS 412A - Applied Composition - 3 (F)

Original composition. Must be taken in sequence. Weekly seminar required. Requires completion of stated prerequisite or instructor permission.

Attributes: BFPA
Prerequisites: MUS 312B Minimum Grade of C.

MUS 412B - Applied Composition - 3

Original composition. Must be taken in sequence. Weekly seminar required. Senior recital required for 412b. Requires completion of stated prerequisite or instructor permission.

Attributes: BFPA
Prerequisites: MUS 412A Minimum Grade of C.

MUS 415 - Class Applied Voice - 2

Singing, diction, and voice pedagogy for music majors with minimal vocal experience.

Attributes: FPA

MUS 419 - Vocal Teaching Techniques and Materials - 2

Vocal Teaching Techniques and Materials: Principles of vocal production and methods of teaching voice.

Attributes: BFPA
Prerequisites: MUS 225B Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

MUS 420 - Music Education Practicum - 1

Shop laboratory course. Selection adjustments, maintenance, and repair of musical instruments.

Attributes: FPA

MUS 422 - Wind Ensemble - 1

NO DESCRIPTION May be repeated. Not for graduate credit.

Attributes: FPA
Prerequisites: Corequisite(s): MUS 322.
Corequisites: MUS322

MUS 426A - Adv Mus Thry: Music since 1900 - 2 (aS)

This music theory course will focus on understanding and analyzing music of the modern (post-tonal) era. Learning will involve written, aural, and compositional experiences.

Attributes: FPA
Prerequisites: MUS 326.
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

MUS 430 - Advanced Improvisation - 1 (FS)

Variety of jazz structures. Real-time composition and analysis. Students should know principles of note election, time-feel, phrasing, and articulation as developed in MUS 330. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C AND MUS 330 Minimum Grade of C.

MUS 433 - Concert Jazz Band - 0 or 1 (FS)

A large jazz ensemble performing music from the Big-Band Era to the present day.

Attributes: FPA

MUS 436 - Jazz Education - 2 (aS)

Teaching jazz at elementary, secondary, and college levels, both group and individual instruction. Requires completion of stated prerequisite or permit required.

Attributes: FPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 439 - Recording Techniques - 2 (F)

Technical understanding of equipment used in basic digital recording studios: microphones; equalization; mixing; hard disk recording and 24 track recording formats.

Attributes: FPA

MUS 440A - Private Applied Music: Violin - 2 or 4 (FS)

Violin. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340A Minimum Grade of C.

MUS 440B - Private Applied Music: Viola - 2 or 4

Viola. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340B Minimum Grade of C.

MUS 440C - Private Applied Music: Cello - 2 or 4 (FS)

Cello. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340C Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440D - Private Applied Music: String Bass - 2 or 4 (F)

String bass. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340D Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440E - Private Applied Music: Flute - 2 or 4 (FS)

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340E Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440F - Private Applied Music: Oboe - 2 or 4 (F)

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340F Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440G - Private Applied Music: Clarinet - 2 or 4 (aF)

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340G Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440H - Private Applied Music: Bassoon - 2 or 4

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340H Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 440I - Private Applied Music: Saxophone - 2 or 4 (F)

Saxophone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340I Minimum Grade of C.

MUS 440J - Private Applied Music: Percussion - 2 or 4 (FS)

Percussion. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340J Minimum Grade of C.

MUS 440K - Private Applied Music: Piano - 2 or 4 (FS)

Piano. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340K Minimum Grade of C.

MUS 440L - Private Applied Music: Horn - 2 or 4 (FS)

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340L Minimum Grade of C.

MUS 440M - Private Applied Music: Trumpet - 2 or 4 (FS)

Trumpet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340M Minimum Grade of C.

MUS 440N - Private Applied Music: Trombone - 2 or 4 (FS)

Trombone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340N Minimum Grade of C.

MUS 440O - Private Applied Music: Tuba - 2 or 4 (F)

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be

repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340O Minimum Grade of C.

MUS 440P - Private Applied Music: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340P Minimum Grade of C.

MUS 440Q - Private Applied Music: Voice - 2 or 4 (FS)

Voice. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340Q Minimum Grade of C.

MUS 440R - Private Applied Music: Organ - 2 or 4

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340R Minimum Grade of C.

MUS 440U - Private Applied Music: Guitar - 2 or 4 (S)

Guitar. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA
Prerequisites: MUS 340U Minimum Grade of C.

MUS 440W - Private Applied Music: Conducting - 2 or 4

Conducting. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or

permit required.

Attributes: FPA
Prerequisites: MUS 340W Minimum Grade of C.

MUS 441D - Private Jazz: Bass - 2 or 4 (FS)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341D Minimum Grade of C.

MUS 441E - Private Applied Mus: Flute - 2 or 4

Flute. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441F - Private Applied Mus: Oboe - 2 or 4

Oboe. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441G - Private Applied Mus:Clarinet - 2 or 4

Clarinet. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentrations in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441H - Private Applied Mus:Bassoon - 2 or 4

Bassoon. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441I - Private Jazz: Saxophone - 2 or 4 (FS)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor.

d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341I Minimum Grade of C.

MUS 441J - Private Jazz: Percussion - 2 or 4 (FS)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341J Minimum Grade of C.

MUS 441K - Private Jazz: Piano - 2 or 4 (FS)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341K Minimum Grade of C.

MUS 441L - Private Applied Mus: Horn - 2 or 4

Horn. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441M - Private Jazz: Trumpet - 2 or 4 (F)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341M Minimum Grade of C.

MUS 441N - Private Jazz: Trombone - 2 or 4

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341N Minimum Grade of C.

MUS 441O - Private Applied Mus:Tuba - 2 or 4

Tuba. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours.

Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441P - Private Applied Mus: Baritone - 2 or 4

Baritone. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441Q - Private Jazz: Voice - 2 or 4

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341Q Minimum Grade of C.

MUS 441R - Private Applied Mus: Organ - 2 or 4

Organ. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441S - Private Applied Mus:Harpsichor - 2 or 4

Harpsichord. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441T - Private Applied Mus: Harp - 2 or 4

Harp. Offered at five levels in areas listed. Credit is given at 2 or 4 hours at each level. Consult with adviser for details of credit requirements. May be repeated for two semesters at each level. Students with concentration in performance usually take 4 hours. Concentrations in music education and all secondary concentrations usually take 2 hours. Performance class required. Prerequisites: For 140, music concentration or secondary concentration or consent of music faculty; for higher levels, 2 semesters at previous level on same instrument or permit required.

Attributes: FPA

MUS 441U - Private Jazz: Guitar - 2 or 4 (FS)

Individual instruction in performance of various jazz styles. Offered at the 400 and 500 levels in the areas listed. Credit is given at 2 or 4 hours at each level. Consult with advisor for details of credit requirements. May be repeated for two semesters. Students with concentration in performance usually take 4 hours. Concentrations in music education and

all secondary concentrations usually take 2 hours. MUS 566 required for each semester of applied lesson. Prerequisites: audition; consent of instructor. d. Bass, i. Saxophone, j. Percussion, k. Piano, m. Trumpet, n. Trombone, q. Voice, u. Guitar.

Attributes: FPA
Prerequisites: MUS 341U Minimum Grade of C.

MUS 442 - Counterpoint - 3 (S)

Sixteenth and Eighteenth century contrapuntal techniques.

Attributes: BFPA
Prerequisites: MUS 225B Minimum Grade of C.

MUS 444 - Concert Chorale - 0 or 1 (FS)

Emphasis on unaccompanied literature and larger choral works. Touring choir. May be repeated. Not for graduate credit. Registration by audition.

Attributes: FPA

MUS 460A - Opera Workshop - 0 to 2 (F)

Skills, techniques, and literature used in performance and production of operatic scenes, operas, and operettas. May be repeated for a maximum of 16 hours. Prerequisite: Permit required.

Attributes: FPA

MUS 460B - Opera Workshop - 0 to 2 (S)

Skill, techniques, and literature used in performance and production of operatic scenes, operas, and operettas. May be repeated for a maximum of 16 hours. Prerequisite: Permit required.

Attributes: FPA
Registration Consent: Instructor

MUS 461A - Piano Teaching Techniques & Materials: Methods - 3

Methods. Problems of private studio teaching and college level teaching. Must be taken in sequence.

Attributes: BFPA

MUS 461B - Piano Teaching Techniques & Materials: Materials - 3 (aS)

Materials. Problems of private studio teaching and college teaching. Must be taken in sequence.

Attributes: BFPA
Prerequisites: MUS MUS 340K Minimum Grade of C.

MUS 465 - Development and Teaching of Strings - 2 (FS)

String education in elementary and secondary schools. Techniques of heterogeneous and homogeneous string teaching. Resource aids. May be repeated to a maximum of 8 hours. Requires consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Music

MUS 466 - Madrigal Singers - 0 or 1

Emphasis on renaissance literature. Touring choir. May be repeated to a maximum of 4 hours. Not for graduate credit. Registration by audition.

Attributes: FPA

MUS 472A - Arranging - 3

Instrumental. Basic Skills of arranging for large ensembles. Writing project required. May be repeated so long as topic is different.

Attributes: FPA
Prerequisites: MUS 309 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

MUS 472B - Arranging - 3

Choral. Basic Skills of arranging for large ensembles. Writing project required. May be repeated so long as topic is different.

Attributes: FPA
Prerequisites: MUS 309 Minimum Grade of B.
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

MUS 477 - SIUE Camerata - 1

A chamber ensemble of any genre performing literature written for that instrumentation.

Attributes: FPA

MUS 481 - Readings in Music Theory - 1 to 3 (S)

Supervised readings in Music Theory.

Attributes: FPA
Registration Consent: Instructor

MUS 482 - Readings in Music History/Literature - 1 to 3

Supervised readings in Music History/Literature.

Attributes: FPA
Registration Consent: Instructor

MUS 483 - Readings in Music Education - 2

Supervised readings in Music Education.

Attributes: FPA

MUS 490 - Graduation Recital - 0 (FS)

(Performance specialization) Public recital by candidates for major in Music Performance and Music Education.

Attributes: FPA
Prerequisites: A grade of C or better in MUS 140/141 - 440/441 A-X..
Restrictions: Must be enrolled in one of the following Levels: Undergraduate

MUS 495 - Supervised Internship in Music Business - 12 (FS)

Involves at least 15 weeks of full-time work experience with music industry under supervision of faculty and/or person in music industry. Not for graduate credit.

Attributes: FPA
Prerequisites: MUS 395A Minimum Grade of C AND MUS 395B Minimum Grade of C.
Restrictions: May not be enrolled as one of the following Majors: Music

MUS 499 - Independent Study - 1 to 3 (FS)

Independent research under the supervision of a faculty specialist. May be repeated to 6 credits. Prerequisite: Permit required.

Attributes: FPA
Registration Consent: Instructor

Nursing (NURS)

NURS 199 - Nursing Cooperative Education Internship - 0 (FMS)

Supervised work activity with hospitals, agencies, or organizations providing a learning environment for nursing students. Students will receive a grade of pass or no credit.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

NURS 231 - Examination of the Roles of the Professional Nurse - 4 (FS)

Introduces the professional nurse’s role, emphasizing clinical decision-making, ethical practice, communication, interprofessional collaboration, social determinants of health, and patient-centered care using the nursing process across diverse settings.

Prerequisites: PSYC 111 Minimum Grade of C AND BIOL 240A Minimum Grade of C AND BIOL 250 Minimum Grade of C AND (ENG 101 Minimum Grade of C OR ENG 101E Minimum Grade of C OR ENG 101N Minimum Grade of C OR HONS 120 Minimum Grade of C) AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C OR HONS 121 Minimum Grade of C) AND (ACS 101 Minimum Grade of C OR ACS 103 Minimum Grade of C OR HONS 121 Minimum Grade of C) AND (CHEM 120A Minimum Grade of C AND CHEM 124A Minimum Grade of C OR CHEM 121A Minimum Grade of C AND CHEM 125A Minimum Grade of C).
Corequisites: NURS234
Restrictions: Must be enrolled in one of the following Colleges: School of Nursing

NURS 234 - Human Growth and Nutrition Across the Lifespan in Nursing - 3 (FS)

Explores human growth, development, and nutrition across the lifespan, integrating diversity, communication, wellness, belief systems, and psychosocial principles to support holistic health and well-being.

Prerequisites: PSYC 111.
Corequisites: NURS231

NURS 240 - Pathophysiology - 4 (FS)

Emphasis on explaining alterations in body systems, disease progression, and the body's compensatory mechanisms across the lifespan in a diverse population.

Attributes: LS
Prerequisites: NURS 231 Minimum Grade of C AND NURS 234 Minimum Grade of C AND BIOL 240B Minimum Grade of C. Corequisite(s): NURS241, NURS246.
Corequisites: NURS241, NURS246
Restrictions: Must be enrolled in one of the following Majors: Nursing

NURS 240R - Pathophysiology - 4 (FMS)

Emphasis on explaining alterations in body systems, disease progression, and the body's compensatory mechanisms across the lifespan in a diverse population.

Attributes: LS
Prerequisites: BIOL 240A Minimum Grade of C AND BIOL 240B Minimum Grade of C AND BIOL 250 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 241 - Principles of Pharmacology for Nurses - 3 (FS)

Examine Pharmacotherapeutic agents used in the treatment of illness and the promotion of wellness in diverse individuals across the lifespan with an emphasis on safety.

Prerequisites: BIOL 240A Minimum Grade C AND BIOL 240B Minimum Grade C AND BIOL 250 Minimum Grade C AND CHEM 120A Minimum Grade C AND CHEM 124A Minimum Grade C AND NURS 231 Minimum Grade C. Corequisites: NURS240 AND NURS246.
Corequisites: NURS240, NURS246
Restrictions: Must be enrolled in one of the following Majors: Nursing

NURS 246 - Foundation and Health Assessment Across the Lifespan in Nursing Practice - 6 (FS)

Utilizes clinical judgment, patient safety, holistic assessment, psychomotor skills, medication administration, professional values, ethics, and documentation, preparing students to provide safe, compassionate, and evidence-informed care in diverse healthcare settings across the lifespan. through classroom instruction, lab simulations, and clinical experiences.

Prerequisites: NURS 231 Minimum Grade of C AND BIOL 240B Minimum Grade of C. Corequisite(s): NURS240, NURS241.
Corequisites: NURS240, NURS241
Restrictions: Must be enrolled in one of the following Majors: Nursing

NURS 299 - Nursing Cooperative Education Internship - 0 (FMS)

Supervised work activity with hospitals, agencies, or organizations providing a learning environment for nursing students. Students will receive a grade of pass or no credit.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman
Registration Consent: Instructor

NURS 308 - Special Topics in Nursing - 1 to 8

Selected topics of special interest, such as complex physiologic/psychological concepts, transcultural nursing, nursing history, policy formation, legal aspects of nursing practice, and gerontological nursing. Requires completion of semester 5 nursing courses.

Registration Consent: Advisor

NURS 335R - Health Assessment Strategies to Promote Wellness - 3 (FMS)

Focus for the course is the collection and use of holistic health assessment data within a chosen nursing framework to facilitate planning for health promotion and health literacy.

Prerequisites: NURS 240R Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 341A - Pharmacology for Nurses – Adult Medicine - 2 (FMS)

Examine Pharmacotherapeutic agents used in the treatment of illness and the promotion, maintenance and restoration of wellness in diverse individuals across the lifespan. Course 1 of 2 required in sequence.

Prerequisites: Corequisite: NURS 342, NURS 343.
Corequisites: NURS342, NURS343
Restrictions: Must be enrolled in one of the following Majors: Nursing
Registration Consent: Advisor

NURS 341B - Pharmacology for Nurses – Specialty Courses - 2 (FMS)

Examine Pharmacotherapeutic agents used in the treatment of illness and the promotion, maintenance and restoration of wellness in diverse individuals across the lifespan. Course 2 of 2 required in sequence.

Prerequisites: Corequisite: NURS 354, NURS 355.
Corequisites: NURS354, NURS355
Restrictions: Must be enrolled in one of the following Majors: Nursing
Registration Consent: Advisor

NURS 342 - Acute Care Nursing Across the Adult Lifespan - 5 (FMS)

This course emphasizes clinical judgement, evidence-based interventions, and decision making to help students learn to assess, plan, implement and evaluate nursing care for adults of all ages experiencing acute health conditions.

Prerequisites: NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C.
Registration Consent: Advisor

NURS 343 - Chronic Care Nursing Across the Adult Lifespan - 5 (FMS)

Emphasizes disease progression, promotion of client self-management, and coordination of long-term care across health care settings through strategies that improve quality of life, promote health, and reduce complications for adults with chronic health conditions.

Prerequisites: NURS 231 Minimum Grade of C AND NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C.
Registration Consent: Advisor

NURS 350R - Movies and Mental Illness: Understanding Psychopathology - 3 (S)

This course focuses on the portrayal of mental illness in films. Contemporary social issues such as stigma and discrimination will be examined.

Prerequisites: PSYC 111 Minimum Grade of C and one of the following: Nursing Major - completion of NURS 352 Minimum Grade of C or NURS 343 Minimum Grade of C or NURS 354 Minimum Grade of C or NURS 355 Minimum Grade of C; OR PSYC Major - Junior or Senior Level status.
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN),Nursing,Psychology
Registration Consent: Advisor

NURS 351 - Basic ECG Interpretation - 2 (S)

Identify dysrhythmias. Identify waveforms and associated physiologic processes. Analyze and interpret ECG rhythms and dysrhythmias.

Prerequisites: BIOL 240A Minimum Grade of C AND BIOL 240B Minimum Grade of C
Registration Consent: Advisor

NURS 354 - Care of Women and Childbearing Families - 5 (FMS)

Nursing management of human responses to common actual and potential health problems of women and childbearing families. Advisor permit

only.

Prerequisites: NURS 231 Minimum Grade of C AND NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C.
Registration Consent: Advisor

NURS 355 - Care of Children and Adolescents - 5 (FMS)

Nursing management of human responses to actual and potential health problems that typically occur during childhood and adolescence. Advisor permit only.

Prerequisites: NURS 231 Minimum Grade of C AND NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C.
Registration Consent: Advisor

NURS 372 - Scholarly Inquiry - 3

Focus on the appraisal, synthesis, translation and application of nursing knowledge and evidence to improve individual and healthcare systems quality and outcomes.

Restrictions: Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 372R - Scholarly Inquiry - 3

Focus on the appraisal, synthesis, translation and application of nursing knowledge and evidence to improve individual and healthcare systems quality and outcomes.

Restrictions: Must be enrolled in one of the following Majors: Nursing (RN), Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 374 - Mental Health Nursing: Foundations for Practice - 5

This course introduces recovery-oriented nursing care for individuals with mental health conditions across the lifespan. Not for registered nurses, not for graduate credit. Requires completion of stated prerequisites or consent of instructor, advisor permit only.

Prerequisites: NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 375R - Community and Population Health Nursing - 4

Examines population health by assessing community needs, implementing evidence-based interventions, evaluating policy impacts, and applying ethics and justice principles while addressing disparities, preparedness, financial systems, and resilience to improve health equity and outcomes.

Attributes: ERGU
Prerequisites: NURS 240R Minimum Grade of C AND NURS 335R Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN), Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 399 - Nursing Cooperative Education Internship - 0 (FMS)

Supervised work activity with hospitals, agencies, or organizations providing a learning environment for nursing students. Students will receive a grade of pass or no credit.

Attributes: COOP
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman
Registration Consent: Instructor

NURS 454 - Reproductive Health and Care of Childbearing Families - 4

Focuses on family-centered perinatal care and reproductive health through evidence, systems thinking, and interprofessional collaboration, emphasizing culturally responsive, safe, and equitable practice.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 374 Minimum Grade of C AND NURS 375 Minimum Grade of C.

Restrictions: Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 455 - Care of Children and Adolescents - 4

Focuses on evidence-based, developmentally appropriate nursing care for pediatrics populations and families, emphasizing clinical judgment, health equity, and interprofessional collaboration in managing acute and chronic conditions.

Prerequisites: NURS 231 Minimum Grade of C AND NURS 234 Minimum Grade of C AND NURS 240 Minimum Grade of C AND NURS 241 Minimum Grade of C AND NURS 246 Minimum Grade of C AND NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 374 Minimum Grade of C AND NURS 375 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 472 - Nursing Research - 3 (FS)

Emphasis on research process and interpretation of findings for use as a knowledgeable consumer in developing evidence based professional nursing practice. Completion of NURS 604 with a C or better meets requirement of NURS 472 for direct entry graduate (CBGD) students. Advisor registration required.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 354 Minimum Grade of C AND NURS 355 Minimum Grade of C
Registration Consent: Advisor

NURS 472R - Scholarly Inquiry: Connecting Research to Practice - 3 (FMS)

Emphasis on utilizing the principles of nursing research to integrate all levels of evidence to develop projects to improve patient and/or system outcomes. Advisor registration required.

Prerequisites: STAT 107 Minimum Grade of C AND NURS 240R Minimum Grade of C AND NURS 335R Minimum Grade of C AND NURS 475R Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 474 - Care of Persons with Mental Health Needs - 5 (FS)

Nursing management of the person with actual or potential mental health needs. Not for registered nurses, not for graduate credit. Requires completion of stated prerequisites or consent of instructor, advisor permit only.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 354 Minimum Grade of C AND NURS 355 Minimum Grade of C
Registration Consent: Advisor

NURS 475 - Care of Populations - 4 (FS)

Nursing management of the populations' response to actual and potential health problems. Not for graduate credit. Requires completion of stated prerequisites or consent of instructor; advisor permit only.

Attributes: EH, ERGU, EUSC
Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 354 Minimum Grade of C AND NURS 355 Minimum Grade of C
Registration Consent: Advisor

NURS 475R - Care of Populations - 4 (FMS)

Nursing management of the populations' response to actual and potential health problems.

Attributes: EH, ERGU, EUSC
Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C) OR ENG 101E Minimum Grade of C AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C) AND NURS 240R Minimum Grade of C AND NURS 335R Minimum Grade of C AND RA 101 Minimum Grade of C AND (SPC 101 Minimum Grade of C OR SPC 103 Minimum Grade of C OR ACS 101 Minimum Grade of C OR ACS 103 Minimum Grade of C) AND (PHIL 320 Minimum Grade of C OR PHIL 321 Minimum Grade of C)
Restrictions: Must be enrolled in one of the

following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 476 - Care of the Person with Complex Needs - 5 (FS)

Nursing care of clients with acute and chronic complex health problems across the lifespan.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 454 Minimum Grade of C AND NURS 455 Minimum Grade of C AND NURS 374 Minimum Grade of C AND NURS 375 Minimum Grade of C
Registration Consent: Advisor

NURS 480R - Nursing Leadership in Healthcare Systems - 4 (FMS)

Applies leadership principles to manage resources, care systems, and teams while building decision-making, professional behaviors, and lifelong learning for nursing advancement.

Attributes: EH
Prerequisites: NURS 240R Minimum Grade of C AND NURS 335R Minimum Grade of C AND (NURS 472R Minimum Grade of C OR Graduate level NURS 604 Minimum Grade of C) AND NURS 475R Minimum Grade of C AND NURS 484R Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 481 - Nursing Leadership in Health Care Systems - 3 (FS)

Applies leadership principles to manage resources, care systems, and teams while building decision-making, professional behaviors, and lifelong learning for nursing advancement.

Prerequisites: NURS 454 Minimum Grade of C AND NURS 455 Minimum Grade of C AND NURS 484 Minimum Grade of C
Registration Consent: Advisor

NURS 482 - Transition to Professional Practice Role - 4 (FS)

Emphasizes leadership, delegation, teamwork, and clinical judgment, as students provide care for patients across the lifespan in diverse care settings.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 374 Minimum Grade of C AND NURS 375 Minimum Grade of C AND NURS 454 Minimum Grade of C AND NURS 455 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Nursing, Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 483 - Nursing Synthesis and Readiness to Practice - 3 (FS)

Demonstrates achievement of leadership and professional nursing competencies through evidence-based, ethical, and systems approaches to improve outcomes, enhance communication, promote safety, and foster reflective professional identity.

Restrictions: Must be enrolled in one of the following Majors: Nursing (RN),Nursing, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Advisor

NURS 484 - Quality, Safety, and the Professional Nurse - 3

Examine core principles of quality and safety in nursing to enhance healthcare outcomes and minimize harm. Students apply evidence-based practices, assess healthcare disparities, and evaluate system-level influences on care. Focus areas include quality improvement, teamwork, technology integration, and ethical, legal, and professional responsibilities.

Prerequisites: NURS 342 Minimum Grade of C AND NURS 343 Minimum Grade of C AND NURS 374 Minimum Grade of C AND NURS 375 Minimum Grade of C AND NURS 372 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Colleges: School of Nursing
Registration Consent: Advisor

NURS 484R - Quality, Safety and the Professional Nurse - 4 (FMS)

Examine core principles of quality and safety in

nursing to enhance healthcare outcomes and minimize harm. Students apply evidence-based practices, assess healthcare disparities, and evaluate system-level influences on care. Focus areas include quality improvement, teamwork, technology integration, and ethical, legal, and professional responsibilities. Includes completion of Capstone I.

Prerequisites: NURS 240R Minimum Grade of C AND NURS 335R Minimum Grade of C AND NURS 372R Minimum Grade of C AND NURS 375R Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN)
Registration Consent: Advisor

NURS 490 - Senior Assignment Traditional CBGD option students only - 1 (FS)

Plan, develop, evaluate and disseminate a proposed quality improvement project as the SRA Capstone experience. Offered online to direct entry graduate students only. Advisor consent required.

Prerequisites: Graduate level NURS 604 Minimum Grade of B. Corequisite(s): NURS606
Corequisites: NURS606
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN),Nursing, Must be enrolled in one of the following Levels: Undergraduate
Registration Consent: Advisor

NURS 490R - Senior Assignment Accelerated RNBS CBGD option students only - 1 (S)

Plan, develop, evaluate and disseminate a proposed quality improvement project as the SRA Capstone experience. Offered online to direct entry graduate students only. Advisor consent required.

Prerequisites: NURS 240R AND NURS 335R AND (NURS 472R OR Graduate level NURS 604 Minimum Grade of C) AND NURS 475R AND NURS 484. Corequisite(s): NURS606
Corequisites: NURS606
Restrictions: Must be enrolled in one of the following Majors: Nursing (RN),Nursing, Must be enrolled in one of the following Levels: Undergraduate
Registration Consent: Advisor

NURS 498 - Independent Study - 1 to 6

Guided study in nursing topics; organized to meet objectives of individuals or small groups of undergraduate students in a particular area of interest. Not for graduate credit. Total number of earned hours may not exceed 6 hours. Requires consent of instructor.

Registration Consent: Instructor

Nutrition (NUTR)

NUTR 205 - Food Science - 3 (FMS)

Basic principles of food preparation. Emphasis on food chemistry and function of ingredients.

Attributes: EH

NUTR 210 - Food and Culture - 3 (FMS)

Cultural eating patterns and nutrition-related health problems of various ethnic/racial groups will be explored. Culture and counseling strategies will be emphasized.

Attributes: EGC, EH, EREG

NUTR 250 - Introduction to Human Nutrition - 3 (FMS)

Fundamental principles of nutrition, including the role of specific nutrients, digestion, absorption, and metabolism. Application of concepts as they relate to humans across the lifespan will be discussed.

Attributes: EH

NUTR 319 - Nutrition Biochemistry - 3 (F)

Biochemical mechanisms of nutrition and metabolism.

Attributes: LS
Prerequisites: BIOL 240B Minimum Grade of C AND NUTR 250 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 327 - Lifecycle Nutrition - 3 (FS)

Examine nutritional needs and issues throughout the life span with special emphasis on preconception, pregnancy, lactation, infancy, childhood,

adolescence, and aging.

Attributes: LS
Prerequisites: NUTR 250 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Nutrition

NUTR 355 - Sports Nutrition and Supplementation - 3 (FS)

(Crosslisted with KIN 355) In-depth review of the leading research and effective practices in sport nutrition and supplementation. Focus on increasing athletic performance during training and competition.

Prerequisites: NUTR 250 Minimum Grade of C OR NUTR 319 Minimum Grade of C OR KIN 350 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Nutrition

NUTR 375 - Community Nutrition - 3

Assessment, planning, and evaluation of community nutrition programs and policies using a systems approach.

Prerequisites: NUTR 250 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Nutrition

NUTR 401 - Nutrition Education and Counseling - 3 (S)

This course teaches communication skills essential for professional practice in development, use, and evaluation of methods and materials for teaching nutrition to different audiences.

Prerequisites: NUTR 327 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 408 - Food Service Management 1 - 3 (FM)

Food Sanitation and safety, management of human resources and supervision. Emphasis on applications to health-care facilities.

Prerequisites: NUTR 205 Minimum Grade of C AND NUTR 250 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Nutrition

NUTR 409 - Large Quantities Food Preparation - 3 (F)

This course provides the application of concepts and principles of quantity food preparation and service.

Prerequisites: NUTR 205 Minimum Grade of C AND NUTR 250 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 410 - Food Service Management 2 - 3 (S)

This course studies food service subsystems from an organizational and leadership perspective.

Prerequisites: NUTR 408 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 411 - Introduction to Medical Nutrition Therapy - 3 (F)

Using nutrition care process as a framework, students learn how to provide nutrition services to patients.

Prerequisites: KIN 211 Minimum Grade of C AND NUTR 401 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 421 - Medical Nutrition Therapy II - 3 (S)

The second of two courses focused on using the nutrition care process as a framework for learning how to provide nutrition care process as a framework for learning how to provide nutrition services to patients. Advanced topics and diseases will be covered.

Prerequisites: NUTR 411 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Nutrition

NUTR 464 - Senior Seminar in Nutrition - 3 (S)

In-depth review and application of issues related to

the profession of nutrition.

Restrictions: Must be enrolled in one of the following Majors: Nutrition, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

Operations Research (OR)

OR 440 - Operations Research Deterministic Models - 3 (S)

Linear programming, problem formulation, simplex algorithm, transportation and network problems, duality theory, sensitivity theory. Same as IME 415. Requires completion of stated prerequisites or consent of instructor.

Prerequisites: MATH 250 Minimum Grade of C

OR 441 - Operations Research Stochastic Models - 3 (S)

Probabilistic models, elementary queuing theory with single or multiple server systems, use of queues in facility designs, and elementary decision theory. Markov processes and decision-making. Same as IME 461.

Prerequisites: STAT 380 Minimum Grade of C OR STAT 480A Minimum Grade of C

OR 442 - Operations Research: Simulation - 3 (F)

Design of simulation models using a high level simulation programming language. Applications in production, inventory, queuing, and other models. Same as IE 468. Requires completion of stated prerequisites or consent of instructor.

Prerequisites: OR 441 Minimum Grade of C OR Graduate level OR 441 Minimum Grade of C OR STAT 380 Minimum Grade of C OR IE 461 Minimum Grade of C OR Graduate level IE 461 Minimum Grade of C OR IME 461 Minimum Grade of C OR Graduate level IME 461 Minimum Grade of C

OR 495 - Independent Study - 1 to 3

Research in subjects such as mathematical programming, dynamic programming, simulation, queuing, Markov processes and production topics. May be repeated to a maximum of 9 hours. Requires written consent of adviser and instructor.

Registration Consent: Instructor and Advisor

Public Admin and Pol Analysis (PAPA)

PAPA 411 - Spreadsheet Applications - 1 (FMS)

Development of skills in spreadsheet construction and public sector applications.

Prerequisites: Corequisite: PAPA420
Corequisites: PAPA420

PAPA 420 - Quantitative Analysis - 3 (FMS)

Research design; descriptive statistics; hypothesis testing; nonparametric statistics; analysis of variance; correlation; regression.

Prerequisites: Corequisite: PAPA 411
Corequisites: PAPA411
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Unclassified Graduate; Junior; Sophomore

PAPA 499 - Seminar in Public Admin - 1 to 3

Intensive study of selected topic. Topics chosen by department to supplement regular course offerings. May be repeated to a maximum of 9 hours, provided no topic is repeated.

Public Health (PBHE)

PBHE 111 - Personal Health - 3 (FMS)

This seminar will introduce students to basic concepts in personal health and wellness.

Attributes: EH

PBHE 210 - Sexual Health - 3 (FMS)

Surveys the dynamics of sexual health as related to overall health. Identifies and examines basic issues in human sexuality as relating to larger society.

Attributes: EH

PBHE 213 - Violence and Injury Prevention - 3 (S)

Provides a broad understanding of violence and

injury as a public health issue. Stresses importance of prevention initiatives, environmental modifications, legal interventions, and advocacy.

Attributes: EH

PBHE 220 - Drug Use and Abuse - 3 (FMS)

Drug and non-drug alternatives that modify mood and behavior; factors influencing use, effects, and legal control; students' personal values, motivations and choices concerning drug use.

Attributes: EH

PBHE 230 - Emotional Health and Stress Management - 3 (FMS)

An introduction to a variety of types of positive and negative emotions and their determinants in addition to their contributions to an individual's overall well-being.

Attributes: EH

PBHE 240 - Introduction to Applied Nutrition - 3

Primary roles of major nutrients in human body functions. Relationships between these nutrients and health outcomes/conditions including diabetes, cardiovascular diseases, cancer, osteoporosis and obesity.

Attributes: EH

PBHE 300 - Women's Health - 3

Explores health trends that affect women. Analysis of psychosocial influences on health with particular emphasis on the link between wealth and health. Same as WMST 300.

PBHE 305 - Foundations of Community and Public Health - 3 (FMS)

Introduces the history, philosophy, core disciplines of public health, including health education; describes the major public health threats and future directions of public health

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Public Health

PBHE 353 - Public Health Data Analysis - 3 (FS)

Basic concepts of biostatistics, descriptive and inferential statistics and their interpretation and application in resolving real-world public health issues, and hands-on practice of statistic software.

Prerequisites: STAT 107 Minimum Grade of C OR STAT 244 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Health Education,Public Health

PBHE 363 - Public Health Policy and Management - 3 (FM)

Review, analyze, and formulate a public health related policy. A model for an individual, community, and society to make informed consumer health related decisions.

Prerequisites: HED 111 OR PBHE 111
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health

PBHE 370 - Public Health Communication - 3 (FS)

Effective public health communication strategies for internal and external individuals, groups, and organizations to respond to health information, misinformation, and disinformation.

Prerequisites: HED 305 Minimum Grade of C OR PBHE 305 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health

PBHE 375 - Research Methods in Health - 3 (FMS)

General concepts and foundations of measurement, evaluation, and research; major methods and techniques of research and evaluation. Special emphasis given to conducting small research assignments.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health

PBHE 405 - Health Coaching - 3 (FS)

Theories of health behavior and behavior change. Exploration of helping role as it relates to health behavior, health assessment analysis, decision making, problem solving, and referral skills.

Prerequisites: HED 305 OR PBHE 305
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Public Health

PBHE 410 - Environment Health - 3 (MS)

People's relationship with their environment; impact relationship has on status of one's health; and individual and community roles in promotion of environmental health. Not for graduate credit.

Prerequisites: HED 111 OR PBHE 111 OR HED 201 OR PBHE 201
Restrictions: Must be enrolled in one of the following Majors: Health Education,Health Education,Public Health

PBHE 420 - Contemporary and Controversial Issues in Health - 3 (FS)

Investigation of current controversial issues in health and health care. Emphasis on critical analysis and presentation of complex challenges from a public health perspective.

Prerequisites: HED 305 OR PBHE 305
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health

PBHE 455 - Introduction to Epidemiology - 3 (FMS)

Epidemiologic terminologies. Description and analysis of disease occurrence using appropriate epidemiologic measurements. Exploration of causal relationships. Identification of epidemiologic roles in disease control and prevention.

Prerequisites: PBHE 353 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Public Health

PBHE 462 - Special Topics in Public Health - 1 to 3 (M)

Relevant health issues. Topic and credit hours announced. May be repeated to a maximum of 6 hours so long as no topic is repeated.

PBHE 489 - Independent Study in Public Health - 1 to 6 (FS)

Independent projects or readings under the supervision of a public health faculty member.

Registration Consent: Instructor and Advisor

PBHE 490 - Program Planning in Community Health - 3 (FMS)

Principles and approaches of planning programs within the community. Examination of program planning models. Application to various health education settings.

Prerequisites: (HED 370 OR PBHE 370) AND (HED 375 OR PBHE 375) AND PBHE 305 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

PBHE 491 - Program Implementation and Evaluation in Community Health - 3 (FS)

Principles and practices of health education program implementation and evaluation. Application of selected models and assessment strategies of community health education.

Prerequisites: PBHE 490 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

PBHE 495 - Grant Writing in Public Health - 3 (FMS)

Practical application in the development of a grant for a public health agency or community. Strategies for exploring funding, collaboration, and preparation

of quality proposals.

Prerequisites: PBHE 490 Minimum Grade of C

PBHE 498 - Senior Professional Seminar - 3 (S)

Discussion of topics related to health education; ethics, professional responsibilities, preparation, and certification and future trends. Completion of portfolio and senior assignment required.

Prerequisites: HED 491 (concurrency allowed) OR PBHE 491 (concurrency allowed)

PBHE 499 - Internship in Public Health - 6 (FMS)

Supervised experiences in health agencies, clinics, government agencies and other professional settings. Not for graduate credit.

Prerequisites: HED 498 (concurrency allowed) OR PBHE 498 (concurrency allowed)
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Health Education,Public Health
Registration Consent: Instructor and Dept Chair

Philosophy (PHIL)

PHIL 111 - Introduction to Philosophy - 3 (FS)

Eras, branches and problems of philosophy, including metaphysics, theory of knowledge, and ethics. IAI Course H4 900.

Attributes: BHUM, IAH

PHIL 200 - Topics in Philosophy - 3

Variable topics in philosophy.

Attributes: BHUM

PHIL 212 - Inductive Logic - 3 (FS)

An introduction to inductive logic. Common elements of inductive logic include causal hypotheses, arguments from analogy, testimony, and probability.

Attributes: FRA

PHIL 213 - Deductive Logic - 3 (FS)

Propositional and predicate logic with quantifiers. Includes translation into symbolic logic, truth tables, derivations, relations, and identity.

Attributes: BICS

PHIL 222 - Environmental Ethics - 3 (aF)

Ethical issues arising from human interaction with the natural environment.

Attributes: BHUM

PHIL 225 - Contemporary Moral Issues - 3 (FMS)

This course explores contemporary moral controversies such as abortion, euthanasia, torture, capital punishment, international justice, and sexual morality. IAI Course H4 904.

Attributes: BHUM, IAH

PHIL 226 - Philosophy and Film - 3 (aF)

Analysis of selected films with respect to philosophical issues and aesthetic, moral, metaphysical, and epistemic concerns.

Attributes: BHUM

PHIL 228 - Philosophy and Literature - 3

An examination of various philosophical problems and literary texts. Sample topics include the nature of justice, human freedom, moral psychology, and the good life.

Attributes: BHUM

PHIL 231 - Philosophy, Science, and Religion - 3

An examination of historically and conceptually significant interactions between philosophy, science, and religion. Addresses issues such as those in cosmology, evolutionary biology, and neuroscience.

Attributes: BHUM

PHIL 233 - Philosophies and Diverse Cultures - 3 (MS)

Representative thinkers, texts, and movements outside the western philosophical tradition, e.g., from India, East Asia, Africa, Latin America and the Middle East. IAI Course H4 903N.

Attributes: BHUM, EGC, IAH

PHIL 234 - World Religions - 3 (FM)

Historical and comparative study of various religions, with particular attention to such non-Christian faiths as Hinduism, Buddhism, Confucianism, Taoism, and Islam. IAI Course H5 904N.

Attributes: BHUM, EGC, IAH

PHIL 235 - Existentialism - 3

A study of philosophical problems concerning the meaning of life. Topics include meaning, freedom, consciousness, subjectivity, human existence, fear, death, moral tradition.

Attributes: BHUM

PHIL 242 - Philosophy of Technology - 3

Reflects on the general nature, orientation, and development of technology, and challenges assumptions about its intrinsic value and relationship to society.

Attributes: BHUM

PHIL 300 - Classical Greek Philosophy - 3

Major philosophers of the Greek Classical Period, including Plato and Aristotle.

Attributes: BHUM, EGC

PHIL 301 - Medieval Philosophy - 3

Major thinkers and movements from the 4th century through the 14th century.

Attributes: BHUM, EGC

PHIL 302 - Hellenistic Philosophy - 3

Major philosophical schools of the Greek and Roman Hellenistic period: Stoicism, Epicureanism, and Skepticism.

Attributes: BHUM, EGC

PHIL 303 - Nineteenth Century Western Philosophy - 3

Major thinkers and movements of 19th century.

Attributes: BHUM, EGC

PHIL 304 - Eighteenth Century Philosophy - 3

Major thinkers and movements from 18th century Europe.

Attributes: BHUM, ELEC

PHIL 307 - Seventeenth Century Philosophy - 3 (aS)

Major thinkers and movements from 17th century Europe.

Attributes: BHUM, ELEC

PHIL 308 - Twentieth Century European Philosophy - 3

Representative thinkers of contemporary continental philosophy, such as Husserl, Heidegger, Sartre, Beauvoir, Merleau-Ponty, Ricoeur, Derrida, Foucault and others.

Attributes: BHUM, EGC

PHIL 310 - Theories of Knowledge - 3

Conceptions, sources, limits, and methods of knowing.

Attributes: BHUM

PHIL 312 - Philosophical Logic - 3

Philosophical issues addressed using formal systems. Paradoxes and puzzles relating to classical logic. Extensions of and alternatives to classical logic.

Attributes: BHUM

PHIL 314 - Philosophy of Science - 3

Investigation of the nature and methods of physical and social science, and their importance for individuals and society.

Attributes: BHUM

PHIL 316 - Philosophy of Biology - 3

Examines philosophical issues that arise from within biology, and the implications biology has on our understanding of ourselves as humans.

Attributes: BHUM

PHIL 320 - Ethics - 3 (FS)

Theories of virtue, obligation, and value; discussions of individual and social morality.

Attributes: BHUM

PHIL 321 - Ethics in the Medical Community - 3 (FMS)

Ethical issues arising in health care contexts and practices.

Attributes: BHUM

PHIL 323 - Engineering, Ethics, and Professionalism - 3 (FMS)

Safety, liability, codes, employment relations, public responsibility, and other professional engineering issues are addressed, employing methods of argument analysis, evaluation, and construction.

Attributes: BHUM, FRA

PHIL 330 - Metaphysics - 3

Problems such as personal identity, mind body relationship, causality, and nature of reality.

Attributes: BHUM

PHIL 333 - Philosophy of Religion - 3 (aS)

Problems in epistemology, metaphysics, psychology, and sociology of religion. Questions about divine existence, mystical experience, human suffering, and immortality. IAI Course H4 905.

Attributes: BHUM, IAH

PHIL 335 - Islamic Thought - 3

A scholarly examination of theological and philosophical ideas within the Islamic tradition, from its origins to contemporary schools of thought.

Attributes: BHUM, EGC

PHIL 336 - Christian Thought - 3

Scholarly treatment of historical development of Christian doctrines and thought.

Attributes: BHUM, EGC

PHIL 337 - American Indian Thought - 3

Investigation of philosophical issues expressed through oral tradition and cultures of selected indigenous American traditions and in writings of contemporary American Indian thinkers.

Attributes: BHUM, EUSC

PHIL 340 - Social and Political Philosophy - 3

Philosophical problems of social and political theory and conduct.

Attributes: BHUM, EGC

PHIL 343 - Philosophy of Law - 3 (S)

Philosophical discussion of legal problems and issues in contemporary society such as rights, justice, freedom, responsibility, and punishment. Same as POLS 391

Attributes: BHUM

PHIL 344 - Women and Values - 3

Examines women's philosophical contributions to traditional areas of value theory including ethics; and social, legal and political philosophies of art and religion. Same as WMST 344.

Attributes: BHUM, EUSC

PHIL 345 - Women, Knowledge, and Reality - 3

The course surveys various feminist theories of knowledge, with particular attention to science and how gender influences our claims to knowledge. Same as WMST 345

Attributes: BHUM, EUSC

PHIL 346 - Feminist Theory - 3 (aF)

Social philosophy from feminist perspective. Major theoretical works of women's movement. Same as WMST 346.

Attributes: BHUM, EUSC

PHIL 347 - Philosophy Of Race - 3 (aF)

Conceptual analysis of racism, the metaphysics of race, and the moral and political challenges posed by a racialized social order.

Attributes: BHUM, EUSC

PHIL 348 - Law and Society - 3 (S)

Examines the nexus of culture, dispute management, and law. We will explore law as a social construct, focusing on law's everyday impact on citizens' lives. Same as CJ 348 and POLS 392

Attributes: EREG

PHIL 350 - Philosophy of Mind - 3

This course will explore the relationship between the common sense view and the scientific view of such mental phenomena as thought, free will, and consciousness.

Attributes: BHUM

PHIL 355 - Philosophy of Language - 3

A study philosophical problems concerning language. Includes topics such as meaning, reference, truth, semantic puzzles, speech acts and metaphor.

Attributes: BHUM

PHIL 440 - Classical Political Theory - 3

Works of major political thinkers from ancient times to renaissance, including Plato, Aristotle, St. Augustine, St. Thomas, and Machiavelli. Same as POLS 484

Attributes: BHUM, EGC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

PHIL 441 - Modern Political Theory - 3

Works of major political thinkers from renaissance to present, including Hobbes, Locke, Rousseau, Hegel, Marx, Mill and Nietzsche. Same as POLS 485

Attributes: BHUM, EGC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

PHIL 480 - Senior Assignment - 3 (FS)

Independent research on philosophical topics. Required of all Philosophy majors.

Restrictions: Must be enrolled in one of the following Majors: Philosophy, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

PHIL 490 - Philosophy Seminar - 3 (FS)

Seminar for qualified Philosophy majors and graduate students to pursue specific topics, traditions, or philosophers in depth. Variable content. May be repeated to a maximum of 12 hours so long as no topic is repeated. Prerequisite: 15 hours in Philosophy or consent of instructor.

Prerequisites: 15 hours of PHIL 100-400 level

PHIL 495 - Independent Readings - 1 to 3 (S)

Independent study on tutorial basis. Undergraduate students normally limited to 3 hours; graduate students normally limited to 9 hours. Requires consent of department chair or program director.

Registration Consent: Instructor and Dept Chair

PHIL 496 - Topics in Ethics - 3

Variable content course on topics in ethics. May include topics in normative ethics, metaethics, or applied ethics. May be repeated for maximum of 9 hours.

Attributes: BHUM

PHIL 497 - Topics in Metaphysics and Epistemology - 3

Variable content course. May include topics in ontology, theory of knowledge, philosophy of language, philosophy of mind, philosophy of science, or philosophy of mathematics.

Attributes: BHUM

PHIL 498 - Legal Theory - 3

Explores contemporary legal theory. Emphasis on law and morality; law and society; law and economics; judicial discretion; and fundamental doctrines and principles of a legal system. Same as POLS 498

Attributes: BSS, SS
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Philosophy,Political Science, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be assigned one of the following Student Attributes: Honors SIU Law Guarantee Admit

Physics (PHYS)

PHYS 111 - Concepts of Physics - 3 (MS)

Introduction to our understanding of the universe and how it is achieved. Includes selections from: Motion, energy, heat, fluids, electricity, magnetism, sound, light, atoms. IAI Course P1 900.

Attributes: BPS, IAPS

PHYS 112 - Conceptual Physics Laboratory - 1

Weekly introductory laboratory dealing with mechanics, heat, electricity, sound and light. Emphasis placed on measurements and data analysis.

Attributes: BPS, EL
Prerequisites: PHYS 111 (concurrency allowed)
Corequisites: PHYS111

PHYS 115 - Energy and the Environment - 3

Problems and prospects of meeting national and worldwide energy demands. Scientific background, role, and environmental impact of fossil fuel, nuclear, solar, geothermal, and other technologies.

Attributes: BPS

PHYS 116 - Music and Acoustics - 3

Vibrations; nature and propagation of sound waves; musical pitch and intervals; tone quality, analysis, and synthesis; instruments; speech; ears and hearing; psychological aspects; and other topics.

Attributes: BPS

PHYS 117 - Light and Color - 3

Nature of light; ray and wave phenomena; optical devices; the eye; color theory; lasers and holography; applications to art, photography, and other visual media. IAI Course P1 901.

Attributes: BPS, IAPS

PHYS 118 - Astronomy - 3 (FMS)

Introduction to observation; seasons; light; telescopes; orbits; solar system; stellar structure, evolution and classification; galaxies and cosmology. Includes in-class activities and supplemental viewing sessions. IAI Course P1 906.

Attributes: BPS, IAPS

PHYS 118L - Astronomy Laboratory - 1

An experiential laboratory course utilizing both software and real-time observation concerning astronomical objects.

Attributes: BPS, EL
Prerequisites: Corequisite(s): PHYS 118
Corequisites: PHYS118

PHYS 120 - Frontiers in Physics: Past and Present - 3 (F)

Introductory course designed to highlight, through examples, how progress and discoveries are made in physics. Topics selected from historical and/or contemporary physics. May include seminar.

Attributes: BPS
Prerequisites: MATH 125 Minimum Grade of C.

PHYS 131 - College Physics I: Mechanics - 4 (FMS)

First semester of a two semester algebra-based introductory sequence. Motion, vectors, kinematics, Newton's Laws, gravitation, energy, momentum, angular momentum, hydrostatics, conservation laws, harmonic oscillations.

Attributes: BPS
Prerequisites: MATH 125 Minimum Grade of C OR MATH 145 Minimum Grade of C OR MATH 150 Minimum Grade of C.
Corequisites: PHYS131L

PHYS 131L - College Physics I Laboratory: Mechanics - 1 (FMS)

This course is a laboratory for College Physics I.

Topics include physical measurements, data analysis, lab reporting and error analysis.

Attributes: BPS, EL
Prerequisites: PHYS 131 Minimum Grade of C (concurrency allowed).

PHYS 132 - College Physics II: Electricity, Magnetism and Optics - 4 (FMS)

This course is the second semester of a two semester sequence. Designed to meet pre-medical and biological science requirements. Topics include waves and sound, electrostatics, circuits magnetism, EM waves, optics and modern physics theory.

Attributes: BPS
Prerequisites: PHYS 131. Corequisite(s): PHYS132L.
Corequisites: PHYS132L

PHYS 132L - College Physics II Laboratory: Heat, Electricity, Magnetism and Optics - 1 (FMS)

A lab consisting of experiments designed to complement PHYS 132: physical measurements, data analysis, presentation and error analysis.

Attributes: BPS, EL, LNSM
Prerequisites: PHYS 131L Minimum grade of C AND PHYS 132 Minimum grade of C.

PHYS 140 - Introduction to Physics and Physical Reasoning - 2 (FS)

An introduction to physics and quantitative reasoning preparatory for PHYS 141/151. Selected physics concepts, methods of reasoning, application of mathematics to physics problem solving.

Attributes: BPS
Prerequisites: MATH 150 Minimum Grade of C (Concurrency Allowed).

PHYS 141 - Physics I for Engineers - 3 (FS)

Introductory calculus-based course for engineering students: Motion, kinematics, dynamics, Newton's Laws, applications; work; kinetic & potential energy, momentum; rotational dynamics, angular momentum; gravity; oscillations.

Attributes: BPS
Prerequisites: (MATH 152 Minimum Grade of C (concurrency allowed) OR MATH 250 Minimum Grade of C (concurrency allowed)) AND (ACT Math 28 OR Physics Readiness Exam Score 09 OR MATH TEST SCORE 32.5 OR PHYS 140 Minimum Grade of C). Corequisite(s): PHYS151L.
Corequisites: PHYS151L

PHYS 142 - Physics II for Engineering - 3 (FS)

Calculus-based course for engineering students: electric charge, electric fields, Gauss' law, electric potential; magnetic fields, Faraday's Law, inductance, Maxwell's equations integral form; electromagnetic waves.

Attributes: BPS
Prerequisites: (PHYS 141 Minimum Grade of C OR PHYS 151 Minimum Grade of C) AND MATH 152 Minimum Grade of C AND PHYS 151L Minimum Grade of C. Corequisite(s): PHYS152L
Corequisites: PHYS152L

PHYS 151 - University Physics I - 4 (FMS)

Kinematics; dynamics; planar motion; work and energy; momentum; rotational motion; gravitation; and fluids. IAI Course P2 900 and IAI Course PHY 911.

Attributes: BPS, IAPS, IPHY
Prerequisites: MATH 152 Minimum Grade of C (Concurrency Allowed). Corequisite(s): PHYS 151L.
Corequisites: PHYS151L

PHYS 151L - University Physics I Laboratory - 1 (FMS)

Physics measurements; data analysis and presentation, error analysis. Velocity; acceleration; force and moments; work and kinetic energy. IAI Course P2 900L and IAI Course PHY 911.

Attributes: BPS, EL, IAL, IPHY
Prerequisites: PHYS 151 Minimum Grade of C (concurrency allowed) OR PHYS 141 Minimum Grade of C (concurrency allowed) OR PHYS 211A Minimum Grade of C

PHYS 152 - University Physics II - 4 (FMS)

Bulk properties of matter; oscillations and waves; electric charge; electric fields; Gauss' law;

potentials; circuits; magnetic fields; and electromagnetic waves. IAI Course PHY 912.

Attributes: BPS, IPHY
Prerequisites: MATH 152 Minimum Grade of C AND (PHYS 151 Minimum Grade of C OR PHYS 141 Minimum Grade of C). Corequisite(s): PHYS152L
Corequisites: PHYS152L

PHYS 152L - University Physics II Lab - 1 (FMS)

Physics measurements; data analysis and presentation; error analysis; thermal and bulk properties of matter; simple harmonic motion and waves; electromagnetism; simple circuits; and optics. IAI Course PHY 912.

Attributes: BPS, EL, IPHY

PHYS 197 - Freshman Project in Experimental Physics - 1 to 3

With guidance, a freshman investigatory or independent study project in experimental physics. Open to all students of other disciplines and to 100-level physics students.

PHYS 201 - University Physics III - 4 (S)

Electromagnetic waves. Physical optics: interference and diffraction. Introductory special relativity; thermodynamic laws; Maxwell Boltzmann distributions; equipartition theorem; black-body radiation; and evidence for photons. Bohr atom and matter waves.

Attributes: BPS
Prerequisites: (PHYS 151 Minimum Grade of C OR PHYS 211A Minimum Grade of C) AND (PHYS 152 Minimum Grade of C OR PHYS 211B Minimum Grade of C).

PHYS 201L - University Physics III Laboratory - 1 (S)

Laboratories covering select topics from Electromagnetic waves, physical optics, introductory special relativity, thermodynamic laws, and introductory quantum physics.

Attributes: BPS, EL
Prerequisites: Corequisite: PHYS 201
Corequisites: PHYS201

PHYS 219 - Applied Numerical Science - 3 (F)

An introduction to computational problem-solving, numerical methods, and computer modeling techniques in science. Examples selected from the physical and life sciences.

Attributes: BICS
Prerequisites: MATH 150 Minimum Grade of C AND (PHYS 151 Minimum Grade of C OR PHYS 141 Minimum Grade of C OR PHYS 131 Minimum Grade of C)

PHYS 230 - Planetary and Solar System Astronomy - 3

Orbital mechanics, telescopes, physical processes, atmospheres, planets, moons, ring systems, outer Solar System, comets, Kuiper belt, formation of planetary systems, extra-solar planets.

Attributes: BPS
Prerequisites: PHYS 132 Minimum Grade of C OR PHYS 152 Minimum Grade of C

PHYS 240 - An Introduction to Biomedical Physics - 3

Physics principles applied to human biology and medicine. Applications of mechanics, thermodynamics, electromagnetism; properties of nerves, membranes and fluids; ultrasound, x-ray, nuclear medicine and MRI.

Attributes: BLS
Prerequisites: (PHYS 132 Minimum Grade of C OR PHYS 152 Minimum Grade of C) AND MATH 150 Minimum Grade of C

PHYS 251 - Waves - 4 (S)

Oscillations, linear approximations. Normal Modes, Fourier analysis. Standing waves, travelling waves, reflection, transmission, sound, electromagnetic waves. Wave packets, bandwidth theorem. Introduction to Fourier Transforms, applications.

Attributes: BPS
Prerequisites: PHYS 152 Minimum Grade of C OR PHYS 211B Minimum Grade of C OR PHYS 206B Minimum Grade of C OR (PHYS 132 Minimum Grade of C AND PHYS 132L Minimum Grade of C). Corequisite(s): MATH250.

Corequisites: MATH250

PHYS 304 - Modern Physics - 4 (F)

History of Quantum Physics. Matter waves, uncertainty principle, Schroedinger solutions for confined particles, hydrogen atom. Atomic, nuclear and solid-state physics. Applications include lasers and semiconductors.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND MATH 250 Minimum Grade of C.

PHYS 312 - Intermediate Physics Lab - 3

Experimental methods in modern physics: Modern experimental techniques; computer aided data acquisition; numerical methods; detectors and sensors; data and error analysis.

Attributes: EL, PS
Prerequisites: PHYS 304 (concurrency allowed) OR PHYS 302

PHYS 314 - Modern Data Acquisition and Analysis in Physics - 3

A course in the use of modern computer-aided data acquisition and analysisin physics.

Attributes: BPS, EL
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C

PHYS 318 - Theory and Applications of Electronic Measurements - 3 (F)

Principles of modern electronic measurements and computer interfacing techniques. Transistor circuits, digital electronics, OP amps, and sensors. Digital analog and analog digital conversions, computer aided data acquisition. Includes weekly two-hour laboratory.

Attributes: BPS, EL
Prerequisites: PHYS 132 Minimum Grade of C OR PHYS 152 Minimum Grade of C

PHYS 320 - Special Relativity - 3

Michaelson-Morley experiment; Lorentz transformations; relativistic description of space and time; relativistic kinematics and dynamics; relativistic development of electricity and magnetism.

Attributes: PS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND MATH 250 Minimum Grade of C

PHYS 321 - Introduction to Classical Mechanics - 4 (F)

Newtonian mechanics in Cartesian, non-Cartesian coordinate systems. Conservative fields, conservation laws. Forced oscillations, resonance. Introduction to Lagrangian mechanics. Non-inertial reference frames. Central Forces, orbital dynamics.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND MATH 250 Minimum Grade of C

PHYS 323 - Statistical Mechanics - 4 (aS)

Laws of Thermodynamics; equipartition theorem; free energy; Maxwell relations; entropy; Boltzman statistics; Bose-Einstein statistics, Fermi-Dirac statistics; Ising model; information theory.

Attributes: PS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND MATH 305 Minimum Grade of C

PHYS 340 - Biophysics Physics - 3

An intermediate course in biophysics and biophysical methods. Topics vary, may include diffusive processes, molecular and cellular biophysics, structural analysis methods, nanobiotechnology and others.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 240 Minimum Grade of C AND PHYS 251

Minimum Grade of C AND CHEM 241A Minimum Grade of C

PHYS 343 - Stellar Astronomy and Astrophysics - 3

Basics of interaction of radiation with matter. The Sun, properties of stars, stellar atmospheres, stellar interiors, interstellar medium, formation, evolution of stars and stellar remnants.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 230 Minimum Grade of C AND PHYS 251 Minimum Grade of C

PHYS 375 - Seminar - 1

Selected topics in theories and applications. May be repeated to a maximum of 3 hours; pass/no credit only. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

PHYS 376 - Career Preparation in Physics - 1 (aS)

Seminar on: Exploration of post-baccalaureate options in industrial, corporate and academic physics and applied physics. Employment trends. Resume writing. Choosing and applying to graduate programs.

Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 251 Minimum Grade of C
Registration Consent: Instructor

PHYS 405A - Introduction to Electromagnetic Field Theory - 3

Vector treatment of the theory. (A) Electrostatics in vacuum and in matter; steady currents.

Attributes: PS
Prerequisites: PHYS 321 Minimum Grade of C OR PHYS 323 Minimum Grade of C

PHYS 405B - Introduction to Electromagnetic Field Theory - 3

Vector treatment of the theory. Magnetism; magnetic materials; electromagnetic radiation.

Attributes: PS
Prerequisites: PHYS 405A Minimum Grade of C

PHYS 406 - Electromagnetic Fields - 4 (aS)

Vector calculus, electric and magnetic fields. Scalar potential. Electric and magnetic dipoles. Maxwell's equations in integral and differential form, vector potential, introduction to electromagnetic radiation.

Attributes: BPS
Prerequisites: PHYS 152 Minimum Grade of C AND PHYS 251 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Computer Science,Civil Engineering,Electrical Engineering,Industrial Engineering,Mechanical Engineering,Physics

PHYS 410 - Optics - 3 (aF)

Nature of light; photometric quantities; geometrical optics; interference and diffraction; polarization; introduction to lasers; optical properties of materials. May include laboratory component.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C and PHYS 201L Minimum Grade of C and PHYS 251 Minimum Grade of C and MATH 305 Minimum Grade of C, or Graduate status in Electrical Engineering.

PHYS 415A - Wave Mechanics & Atomic Physic - 3

Foundations of quantum mechanics: Wave functions; expectation values; operators; Schroedinger equation; simple applications including step potentials and harmonic oscillator, and perturbation theory.

Attributes: PS
Prerequisites: (PHYS 302 OR PHYS 304) AND MATH 305

PHYS 415B - Wave Mechanics & Atomic Physic - 3

Topics in atomic and molecular systems: Angular momentum; electron spin; hydrogen atom; atomic transitions and spectra; exclusion principle; multi-electron atoms; and molecular structure.

Attributes: PS
Prerequisites: PHYS 415A

PHYS 416 - Principles Quantum Mechanics - 4 (F)

Wave functions, packets, probabilities, eigenfunctions, operators, uncertainty relations, Schrodinger equation, square wells, harmonic oscillator, barriers, angular momentum, hydrogen atom, spin, identical particles, exclusion principle, applications.

Attributes: BPS, PS
Prerequisites: PHYS 304 Minimum Grade of C AND (PHYS 321 Minimum Grade of C OR PHYS 323 Minimum Grade of C) AND (MATH 321 Minimum Grade of C OR MATH 355 Minimum Grade of C)

PHYS 419 - Intro to Theoretical Physics - 4

Mathematical techniques: Vectors, tensors, matrices, differential equations, special function, boundary value problems; other selected topics.

Attributes: PS
Prerequisites: (PHYS 302 OR PHYS 304) AND MATH 305

PHYS 430 - Physics and Astronomy Education Research - 3

Questions, methodology, data analysis, and results of physics and astronomy education research.

Attributes: PS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

PHYS 431 - Instructional Strategies for Particle & Rigid Body Motion - 3

Pedagogical innovations, assessments, and inquiry based activities will be developed for particle and rigid body motion. Addresses Illinois professional teaching physics designation standard #2.

Attributes: PS
Prerequisites: (PHYS 211A OR PHYS 151) AND CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C

PHYS 432 - Instructional Strategies for Physical Waves & Thermodynamics - 3

Pedagogical innovations, assessments and inquiry based activities will be developed for physical waves and thermodynamics. Addresses Illinois professional teaching physics designation #3 and #4.

Attributes: PS
Prerequisites: PHYS 303 AND CI 200 Minimum Grade of C OR CIED 100 Minimum Grade of C

PHYS 433 - Instructional Strategies for Electricity & Magnetism - 3

Pedagogical innovations, assessments, and inquiry based activities will be developed for particle and rigid body motion. Addresses Illinois professional teaching physics designation standard #2.

Attributes: PS

PHYS 434 - Instructional Strategies for Astronomy - 3

Pedagogical innovations, assessments, and inquiry based activities will be developed for astronomy. Addresses Illinois professional teaching earth and space science standards #3 and #4.

Attributes: PS

PHYS 438 - Physics & Astronomy Education Research Seminar - 1

Seminar discussing current issues in physics and astronomy education research. May be repeated to a maximum of 4 hours provided no topic is repeated.

Attributes: PS

PHYS 439 - Physics Project for Educators - 1 to 3

Physics curriculum development project with the topic and educational level decided in consultation with the instructor. Not for physics undergraduate majors. Requires teaching certificate or instructor permission.

Attributes: PS

PHYS 442 - Topics in Medical Physics - 3

Topics variable, may include: Medical imaging: Physics of x-ray, CT, PET MRI and ultrasound techniques, radiotherapy, nuclear medicine, radiation protection, electrophysiological measurements, biomechanics, mathematical modeling.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 240 Minimum Grade of C AND PHYS 251 Minimum Grade of C AND CHEM 241A Minimum Grade of C

PHYS 444 - Galaxies and Cosmology - 3

Nature and evolution of galaxies. Extragalactic distance scales, expansion of Universe, active galaxies, quasars, introduction to cosmological models of the early Universe.

Attributes: BPS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 230 Minimum Grade of C AND PHYS 251 Minimum Grade of C AND PHYS 321 Minimum Grade of C AND PHYS 343 Minimum Grade of C

PHYS 450 - Solid-State Physics - 3

Crystal structures and binding; lattice vibrations; electronic states; band theory of solids; semiconductors; optical properties of solids; other selected topics.

Attributes: BPS
Prerequisites: PHYS 323 Minimum Grade of C AND PHYS 304 Minimum Grade of C
Corequisites: PHYS416

PHYS 471 - Laser Physics and Technology - 3

Interaction between light and matter, rate equations, resonators and cavity modes, mode locking, ultra-short pulse generation, laser systems. Applications may include communications, medicine, holography.

Attributes: BPS
Prerequisites: (PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND PHYS 410 Minimum Grade of C) OR (Graduate level PHYS 410 Minimum Grade of C)
Restrictions: Must be enrolled in one of the following Majors: Electrical Engineering,Physics

PHYS 472 - Photonics Laboratory - 3

Experimental techniques in photonics. May include: beam characterization, detectors, interferometers, optical fiber theory and applications, , coupling techniques, and fiber-optic communication.

Attributes: BPS, EL
Prerequisites: (PHYS 201 Minimum Grade of C AND PHYS 201L Minimum Grade of C AND PHYS 251 Minimum Grade of C AND PHYS 410 Minimum Grade of C) OR (Graduate level PHYS 410 Minimum Grade of C)
Restrictions: Must be enrolled in one of the following Majors: Electrical Engineering,Physics

PHYS 480 - Selected Topics in Physics - 2 to 3

Classroom instruction in topic of special interest not covered in other courses. May be repeated to a maximum of 6 hours as long as no topic is repeated. Requires consent of instructor.

Attributes: PS
Registration Consent: Instructor

PHYS 494 - Methods of Teaching Physics in the Secondary School - 3

Current teaching and resource materials. Ways to teach different topics in physics, problem solving techniques, and societal issues. Preparing for laboratory activities. Safety concerns. Not for physics major or graduate credit.

Attributes: PS

PHYS 497 - Senior Project in Experimental Physics - 2 or 3

With guidance, a senior project in experimental physics. May be repeated for a maximum of 6 hours.

Attributes: PS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 251 Minimum Grade of C AND PHYS 318 Minimum Grade of C. Corequisite(s): PHYS304
Corequisites: PHYS304
Registration Consent: Instructor

PHYS 498 - Senior Project in Theoretical Physics - 2 or 3

With guidance, a senior project in theoretical physics. May be repeated for a maximum of 6 hours.

Attributes: PS
Prerequisites: PHYS 201 Minimum Grade of C AND PHYS 251 Minimum Grade of C AND PHYS 321 Minimum Grade of C. Corequisite(s): PHYS304
Corequisites: PHYS304
Registration Consent: Instructor

PHYS 499A - Senior Assignment: Part I - 3 (FM)

Directed study toward completing the senior assignment. Includes a written proposal, data acquisition, and an oral presentation. NOT FOR GRADUATE CREDIT. Prerequisite: Completion of 30 credit hours of physics courses and consent of instructor.

Attributes: PS
Prerequisites: Completion of 30 credit hours of physics courses and consent of instructor.
Registration Consent: Instructor

PHYS 499B - Senior Assignment: Part II - 2 (S)

Directed study toward completing the senior assignment. Includes data acquisition and analysis, written report, poster presentation and oral presentation. NOT FOR GRADUATE CREDIT.

Attributes: PS
Prerequisites: PHYS 499A Minimum Grade of P.
Registration Consent: Instructor

Political Science (POLS)

POLS 112 - Introduction to American National Government & Politics - 3 (FS)

Principles and practices of American political systems, constitutions, governmental institutions, political parties, interest groups, elections. Public participation, resultant policies. IAI Course S5 900.

Attributes: BSS, ERGU, EUSC, IASS

POLS 200 - Research Design in Political Science - 3

Students learn the fundamentals of how research is performed in political science. Students learn about differing ways by which research happens and how to effectively form and investigate research questions.

Attributes: BICS

POLS 250 - Introduction to Comparative Politics - 3

The course covers many important themes in comparative politics, including patterns of state formation, regime types and transitions, domestic institutions and processes and their interaction with society, political violence, gender relations and strategies of state intervention in the economy.

Attributes: BSS, EGC

POLS 270 - Introduction to International Relations - 3 (FS)

The course investigates sources of foreign policy and explore various constraints placed upon states by the international system.

Attributes: BSS, EGC

POLS 280 - Introduction to Political and Legal Theory - 3

This course assesses laws, policy, and structures with elementary empirical and normative approaches. This course is designed to expose students to multiple perspectives on political issues and show how empirical and normative logic shapes those opinions of those issues.

Attributes: BHUM

POLS 292 - Legal Research, Analysis, and Writing - 3 (S)

Instruction and practice in researching statutory law, case law, and legal commentary; analyzing research results; communicating conclusions through written legal memoranda and briefs.

Attributes: BICS, EL

POLS 300 - Data Analytics in Political Science - 3 (FMS)

Survey of models and quantitative techniques for

organizing and analyzing data about politics; emphasis on application; use of appropriate statistical software.

Attributes: BICS, EL

POLS 310 - Independent Study in Political Science - 1 to 3 (FMS)

Individualized instruction through specialized program designed by instructor and student with requirements determined prior to registration.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Political Science
Registration Consent: Instructor

POLS 320 - Public Administration - 3 (S)

Processes and problems of managing government agencies, political context, policy impact, effects of bureaucratic organization; managing personnel and finances, evaluating effectiveness, controlling discretion.

Attributes: BSS

POLS 340 - The Presidency - 3 (F)

Presidential powers and responsibilities: political, legal, constitutional, and administrative. Evolution of presidency, its relationships to Congress and Judiciary. Impact on political system.

Attributes: BSS

POLS 341 - Congress - 3 (F)

Legislative organization and processes: Constitutional responsibilities and political dynamics. Impact on political system.

POLS 342 - Issues in American Public Policy - 3 (FS)

Public policies in such areas as taxing and spending, civil rights, welfare, health education, environment; explanations for adoption; problems of implementation; evaluation of impact.

Attributes: BSS

POLS 343 - State and Local Government - 3

Comparative survey, historic and cultural influences, role of parties, interest groups, legislature, governors, and courts; impact on provision of state services.

Attributes: BSS

POLS 345 - Parties and Interest Groups - 3

Characteristics of party system and its components, its interrelationships with interest groups and their impact on the political system, recent changes.

Attributes: BSS

POLS 346 - Public Opinion - 3 (aS)

Formation, transmission, maintenance of political attitudes and opinions; role of political elites and mass media; implications and consequences for American political system.

Attributes: BSS, ERGU, EUSC

POLS 347 - Political Economy - 3

This course focuses on US political economics and professional policy analysis.

Attributes: BSS

POLS 350 - Political System of Western Europe - 3 (FS)

Western European countries: historical development, regime types and institutional setups, electoral systems, political party systems, ideologies, state structure and political culture.

Attributes: BSS, EGC, ERGU

POLS 351 - Political Systems of Eastern Europe - 3 (FS)

Historical development, political culture, governmental processes, political participation, problems and prospects.

Attributes: BSS, EGC, EREG

POLS 352 - Politics of Development - 3

Examination of the factors leading to successful political and economic transitions with a focus on

less developed countries, including political structures, history, culture, behavior, and global impact.

Attributes: BSS, EGC, EREG, EUSC

POLS 353 - Politics of the Middle East - 3

This course will examine selected aspects of politics in the Middle East. These will include the dynamics of, state-society relations, political liberalization and the persistence of authoritarianism, Islamist politics, political economy and gender. Thus, the course is primarily organized around broad thematic/conceptual issues and will not include in-depth discussions of country case studies. However, reference to individual countries will often be made (at times in detail) throughout the course to provide empirical grounding of the theoretical concepts discussed.

Attributes: BSS, EGC, EREG

POLS 354 - Women and Cross-National Politics - 3 (SaF)

Women as citizens and as political leaders in the areas of politics, labor, peace, war and violence. Same as WMST 354.

Attributes: BSS, EREG, ERGU, EUSC

POLS 355 - Latin American Politics - 3

Selected political systems: historical context, political culture, governmental processes, political participation; problems and prospects.

Attributes: BSS, EGC

POLS 356 - Asian Politics - 3

Chinese, Japanese, and Indian political systems: historical context, political cultures, governmental processes, political participation; problems and prospects.

Attributes: BSS, EGC

POLS 386 - American Political Ideas & Their Origin - 3 (S)

Sources of contemporary political ideas; colonial, revolutionary, and constitution-building periods; era of democratization, industrialization, Civil War and early twentieth century.

Attributes: BSS

POLS 390 - The Judicial Process - 3 (F)

Development, organization, and operation of Federal and state court systems. Roles, powers, limits of judges and courts, and other institutions with which they interact.

Attributes: BSS, EREG, ERGU, EUSC

POLS 391 - Philosophy of Law - 3

Philosophical discussion of legal problems and issues in contemporary society such as rights, justice, freedom, responsibility, and punishment.

Attributes: BHUM

POLS 392 - Law and Society - 3 (FS)

Examines the nexus of culture, dispute management and law. We will explore law as a social construct, focusing on law's everyday impact on citizens' lives. Crosslisted with CJ 348 and PHIL 348.

Attributes: EREG

POLS 400 - Political Science Senior Assignment Independent Study - 1 (FS)

Students will choose a topic to examine, review the current body of scientific literature related to that topic, develop one or more testable hypotheses from an explanation that is based on that body of scientific literature, test the hypotheses that were generated, and derive appropriate conclusions and implications from the analysis that was executed. By the end of the course, students will have produced their own original piece of research.

Prerequisites: POLS 200 Minimum Grade of C and POLS 300 Minimum Grade of C (concurrency allowed) and satisfactory completion of 90 credit hours
Restrictions: Must be enrolled in one of the following Majors: Political Science, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

POLS 401 - Independent Study: Honors Senior Thesis - 3

This course is the Senior Assignment option for political science majors in the Honors Program who have elected to pursue the honors option in political science. Students will produce an honors thesis by the end of the semester.

Prerequisites: POLS 200 Minimum Grade of C AND POLS 300 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Political Science, Must be assigned one of the following Student Attributes: Honors Student, Native; Honors Transfer, LT 30 Hours; Honors Transfer, GE 30 Hours
Registration Consent: Instructor and Dept Chair

POLS 410 - Legal Internship - 3 to 6 (aF)

Assignment as paralegal assistant to legal aid attorneys, public defenders, and prosecuting officers under supervision of professional legal officers. Ten hours per week for 3 credit hours. Not for graduate credit. Requires completion of stated prerequisites or consent of instructor.

Prerequisites: POLS 390.
Registration Consent: Instructor

POLS 411 - Internship in Government and Public Affairs - 3 to 6 (FS)

Assignment as paraprofessional in legislative, administrative offices, nongovernmental organizations, or research institutes. Duties include assisting and other duties as assigned under supervision of, regular professional employees. Ten hours per week for 3 credit hours. Not for graduate credit.

Restrictions: Must be enrolled in one of the following Majors: Political Science, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Instructor

POLS 412 - Campaign Internship - 1 to 6

Assignment as professional working on a campaign. This can be for a candidate for federal, state, or local office; an interest group; a political party; or another politically active organization. Ten hours per week for three credit hours.

Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior, Must be enrolled in one of the following Departments: Political Science
Registration Consent: Instructor and Dept Chair

POLS 425 - Environmental Public Policy and Administration - 3 (S)

Explores the theoretical understanding of the policymaking processes through which modern societies attempt to cope with pollution and natural resource problems.

Attributes: BSS

POLS 429 - Topics in Public Admin - 1 to 3

Selected administrative problem or process; content may vary from semester to semester. For advanced undergraduates and graduates. May be repeated to maximum of 6 hours. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS
Prerequisites: POLS 320.

POLS 440 - African American Politics - 3

Examination of the politics of African Americans. Description and analysis of the affect of political officials and institutions on African Americans and vice versa.

Attributes: BSS, ERGU, EUSC
Prerequisites: POLS 112.

POLS 441 - Women and Politics in America - 3 (S)

Consideration of politics and power in gender roles, family, class, occupation and research, women and the political system and women and public policy. Same as WMST 441.

Attributes: BSS, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

POLS 444 - Political Scandals in American Politics - 3

Students learn what constitutes a scandal, how differing types of scandals progress, how to analyze and perform case studies about scandals, and the overall effects of scandals on American politics. Requires the stated prerequisite or consent of instructor.

Attributes: BSS
Prerequisites: POLS 112.

POLS 445 - Voting and Elections - 3

Political legal, sociological, psychological bases of voting behavior; theories of electoral outcomes and consequences. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS
Prerequisites: POLS 112.

POLS 446 - Gay and Lesbian Politics - 3

This course provides a contextual investigation into the role of lesbian, gay, bisexual, transgender, queer, intersex, and allies (LGBTQIA) in government & society as a political minority. Requires completion of the stated prerequisite or consent of instructor.

Attributes: BSS, EREG, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements. POLS 112 minimum grade of C.

POLS 447 - Urban Politics - 3

Examination of political systems in American cities over time, including the role of political machines, suburban sprawl, economic development, demographic change, poverty, and federalism.

Attributes: BSS, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

POLS 448 - Media and Politics - 3

This course explores how news media shape, influence, and respond to American politics. We explore implications of the structure of news media and the relationship between it and politicians.

Attributes: SS

POLS 449 - Topics in American Politics - 1 to 3 (FS)

Selected topics in American politics; content may vary from semester to semester. For advanced undergraduate and graduate students. May be repeated to maximum of 6 hours. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS
Prerequisites: POLS 112.

POLS 451 - Comparative Law and Courts - 3

An introduction to comparative judicial systems and study of the interaction between law, courts and politics in countries throughout the world.

Attributes: BSS

POLS 453 - Ethnic Conflict and International Dimensions - 3

This course examines the various dynamics and causes of internal conflicts as seen through competing theoretical formulations and investigates the myriad ways through which the international community gets drawn into these often protracted conflicts.

Attributes: BSS, EGC

POLS 454 - Comparative Race & Ethnic Politics - 3

The course considers race and ethnic politics from a global, comparative perspective and draws on academic literature and empirical examples from many different parts of the world. Students learn about race, ethnicity, and theoretical frames through which political scientists study these concepts.

Attributes: EREG, IS
Prerequisites: Complete all Foundations Requirements.

POLS 455 - Politics of Africa - 3

This course provides an introduction into contemporary African political issues, including pandemics, government responses to epidemics, technology, and models of democracy.

POLS 459 - Topics in Comparative Politics - 1 to 3 (aF)

Selected topics in comparative politics; content may vary from semester to semester. Primarily for advanced undergraduate and graduate students. May be repeated to a maximum of 6 hours.

Attributes: BSS, EGC

POLS 472 - International Organizations - 3

Past and present international organizations, origins, structure, decision making processes, functioning of United Nations and its specialized agencies, problems and prospects. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS, EGC, EREG
Prerequisites: POLS 270 OR POLS 370.

POLS 473 - United States Foreign Policy - 3

Formulation, implementation, content, general policy patterns, international, domestic sources, policy instruments, regional dimensions and implications. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS, EGC
Prerequisites: POLS 270 OR POLS 370.

POLS 474 - Political Violence on the International Stage - 3

This course explores dominant forms of violence on the international stage, in the 21st century. The course takes as its point of departure, the well-established assertion that conflict between countries is an increasingly rare phenomenon at present. However, it does not mean that we live in an inherently more peaceful world today. Many other forms of violence have usurped inter-state conflict. Some of these are located at the intra-state level, while others, usually carried out by non-state actors, have transnational dimensions. This course aims to explore myriad different forms of conflict including civil war, political violence, terrorism and violence associated with illicit economic activities.

Attributes: EREG

POLS 479 - Topics International Relations - 1 to 3 (aF)

Selected topics in international relations; content may vary from semester to semester. For advanced undergraduate or graduate students. May be repeated to maximum of 6 hours. Requires completion of stated prerequisites or consent of instructor.

Attributes: BSS, EGC
Prerequisites: POLS 370

POLS 484 - Classical Political Theory - 3

Works of major political thinkers from ancient times to the renaissance, including Plato, Aristotle, St. Augustine, St. Thomas, and Machiavelli. Same as PHIL 440.

Attributes: BHUM, EGC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

POLS 485 - Modern Political Theory - 3

Works of major political thinkers from the renaissance to the present, including Hobbes, Locke, Rousseau, Hegel, Marx, Mill, and Nietzsche. Cross-listed with PHIL 441.

Attributes: BHUM, EGC

POLS 491 - The Supreme Court - 3

In this course, students understand the processes and influences of cases before the United States Supreme Court: petition, briefing (including amicus curiae), oral argument, and judgment.

Attributes: SS
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Philosophy,Pre-Law,Political Science, Must be enrolled in one of the following Classifications: Junior; Senior

POLS 495 - Constitutional Law: Powers of Government - 3 (F)

Analyzes Supreme Court decisions regarding judicial, legislative, and executive power and the relationship between states and federal government

in a range of policy areas.

Attributes: BSS, ERGU, EUSC
Prerequisites: POLS 112 or graduate status.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

POLS 496 - Constitutional Law: Civil Rights and Civil Liberties - 3 (S)

Analyzes Supreme Court decisions dealing with individual rights, particularly free speech and press, religion, rights of criminal defendants, voting, Constitutional protections against race and sex discrimination.

Attributes: BSS, ERGU, EUSC
Prerequisites: POLS 112 or graduate status.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

POLS 497 - Environmental Law - 3 (F)

Principal issues in environmental law and the judicial interpretation of important environmental statutes. Same as ENSC 402.

Attributes: BSS
Prerequisites: POLS 112 OR ENSC 220.

POLS 498 - Legal Theory - 3

Explores contemporary legal theory; emphasis on law and morality; law and society; law and economics; judicial discretion; and fundamental doctrines and principles of a legal system. Cross-listed with PHIL 498.

Attributes: BSS, HUM, SS
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Philosophy,Political Science, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore, Must be assigned one of the following Student Attributes: Honors SIU Law Guarantee Admit

POLS 499 - Topics in Public Law - 3

Selected topics in public law; content may vary from semester to semester. For advanced undergraduates and graduates. May be repeated to maximum of 6 hours.

Attributes: BSS

Psychology (PSYC)

PSYC 111 - Foundations of Psychology - 3 (FMS)

History; psychological methods and techniques; biological foundations of behavior; learning; motivation; development; personality; social; and psychopathology. IAI Course S6 900.

Attributes: BSS, EH, IASS

PSYC 150 - Psychosocial Foundations of African American Worldviews - 3 (F)

The course focuses on exploring the African American experience through an intersectional, psychological lens. The course will explore both unique and shared experiences.

Attributes: BSS, EUSC
Registration Consent: Instructor

PSYC 200 - Careers in Psychology - 3 (FMS)

To provide students with information that will help them pursue a career in psychology by incorporating such activities as lectures and small group exercises.

Attributes: SS
Prerequisites: PSYC 111 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Psychology

PSYC 201 - Child Psychology - 3 (FS)

Biological and psychological development of child from birth through puberty. IAI Course S6 903.

Attributes: BSS, IASS
Prerequisites: PSYC 111

PSYC 204 - Adult Development and Aging - 3 (MS)

Examination of psychological and psychosocial factors in development throughout adulthood; myths and realities of aging. IAI Course S6 905.

Attributes: BSS, IASS
Prerequisites: PSYC 111

PSYC 205 - Lifespan Development - 3 (FS)

Presents contemporary theory and research related to human physical, psychological, and socio-emotional development across the entire lifespan from conception to death.

Attributes: BSS, EH
Prerequisites: PSYC 111 Minimum Grade of C

PSYC 206 - Social Psychology - 3 (FMS)

Individual behavior in social situations; social perception, attitude formation and change; social influence; group processes; prejudice and discrimination; aggression; altruism. IAI Course S8 900, PSY 908.

Attributes: BSS, IASS, IPSY
Prerequisites: PSYC 111

PSYC 208 - Cognitive Psychology - 3 (FMS)

This course offers a broad survey of cognitive psychology. Topics covered include attention, perception, memory, language, reasoning and decision making.

Attributes: BSS
Prerequisites: PSYC 111

PSYC 220 - Research Design & Statistics I - 3 (FMS)

Methods for designing psychological studies and the statistics used to analyze and interpret the data. Focus on non-experimental methods.

Attributes: EL, SS
Prerequisites: PSYC 111 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Psychology

PSYC 221 - Research Design & Statistics II - 3 (FMS)

Methods for designing psychological studies and the statistics used to describe and interpret the data. Focus on experimental methods.

Attributes: EL, SS
Prerequisites: PSYC 111 Minimum Grade of C AND PSYC 220 Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Psychology

PSYC 2SIU - SIU Shared Course - 1 to 5

This course is for SIUE students who are enrolled in the SIU System Online Course Sharing program.

Restrictions: Must be assigned one of the following Student Attributes: SIU Course Exchange Prgm.
Registration Consent: Registrar

PSYC 303 - Health Psychology - 3 (FS)

This course provides an introduction to the field of health psychology, which is concerned with the roles of behavioral and psychosocial factors on health and disease.

Attributes: BSS, EH
Prerequisites: PSYC 314 Minimum Grade of C OR BIOL 140 Minimum Grade of C OR (BIOL 240A Minimum Grade of C AND BIOL 240B Minimum Grade of C) AND PSYC 111 Minimum Grade of C.

PSYC 305 - Psychology of Gender - 3 (FMS)

Psychological and cultural history of gender, changing sex roles, socialization, sexuality, issues related to mental health, stereotyping, cognition. Same as WMST 305.

Attributes: BSS, EUSC
Prerequisites: PSYC 111

PSYC 311 - Learning and Memory - 3 (FM)

Survey in topics related to conditioning, memory, and their integration. Students are recommended to have taken PSYC 208, PSYC 220 and PSYC 221.

Attributes: SS
Prerequisites: PSYC 111

PSYC 312 - Sensation and Perception - 3

Topics include the sensation and perception of visual, auditory, touch, smell, and taste information. Discussion of the biological and cognitive factors related to these senses.

Attributes: SS
Prerequisites: PSYC 111 Minimum Grade of C AND PSYC 208 Minimum Grade of C AND PSYC 220 Minimum Grade of C AND PSYC 221 Minimum

Grade of C
Restrictions: Must be enrolled in one of the following Majors: Psychology

PSYC 313 - Motivation - 3

Biological, social, personality aspects of motivation in seminar and student conducted experiments.

Attributes: SS

PSYC 314 - Physiological Psychology - 3 (FM)

Biological foundations of behavior; structure and function of brain related to personality, behavior, health.

Attributes: BSS
Prerequisites: PSYC 111

PSYC 320 - Introduction to Industrial/Organizational Psychology - 3 (FMS)

Psychological principles and methods of analysis applied to problems in contemporary work settings.

Attributes: BSS
Prerequisites: PSYC 111

PSYC 330 - Introduction to School Psychology - 3

Introduces concepts in school psychology, including ethics, assessment, intervention, consultation, collaboration, and career pathways.

Prerequisites: PSYC 111 Minimum Grade of C
Restrictions: May not be enrolled as the following Levels: Graduate; Professional

PSYC 340 - Theories of Personality - 3 (FMS)

Review and critical evaluation of major theories and supporting evidence.

Attributes: BSS
Prerequisites: PSYC 111

PSYC 350 - Survey Research: Methods and Analyses - 3

By conducting a large survey and analyzing its data, students will learn survey design methods and analysis, including sampling, item construction, data analysis, and reporting.

Attributes: BSS, EL
Restrictions: May not be enrolled as one of the following Majors: Psychology

PSYC 365 - Group Dynamics & Individual Behavior - 3 (MS)

Small group interaction, including topics of group structure and function, group problem solving, leadership, etc.

Attributes: BSS
Prerequisites: PSYC 111

PSYC 388 - Psychology Internship - 0

Psychology-related work in a business, government or not-for-profit setting under the supervision of a field supervisor.

Attributes: COOP, SS
Prerequisites: Minimum of 2.25 cumulative GPA.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Psychology

PSYC 389 - Psychology Co-Op - 0

Psychology-related work in a business, government or not-for-profit setting under the supervision of an employer.

Attributes: COOP, SS
Prerequisites: Minimum of 2.25 cumulative GPA.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Psychology

PSYC 407 - Multicultural Issues in Psychology - 3 (FS)

Students will develop a critical framework for working at the concept of "culture" in contemporary America. Students will explore how culture impacts psychological services.

Attributes: EUSC, SS
Prerequisites: PSYC 111

PSYC 409 - History & Systems of Psychology - 3 (FS)

Important antecedents of contemporary scientific psychology; issues, conceptual development, major

schools and systems.

Attributes: BSS
Prerequisites: PSYC 111
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

PSYC 411 - Psychology of Sustainable Behavior - 3 (MS)

To explore why people do or do not do the things they should related to the environment. Specifically, it is regarding how psychology can help us understand, predict and change sustainable behavior.

Attributes: BSS
Prerequisites: PSYC 111 Minimum Grade of C

PSYC 412 - Exploring Strange Things: ESP, UFOs, Bigfoot, & More - 3

Critical thinking, scientific skepticism, and investigations about parapsychology (e.g., extrasensory perception, telekinesis) and the psychology of belief about paranormal topics (e.g., alien abductions, cryptozoology).

Attributes: BSS

PSYC 413 - Pseudoscience in Psychology - 3 (MS)

Skepticism; debunking common psychology myths; critical thinking about the distinction between science and pseudoscience. Why do people believe strange things?

Attributes: BSS
Prerequisites: PSYC 111 (concurrency allowed)

PSYC 415 - Judgment and Decision Making - 3

Theory and research on topics in judgment and decision making from social, cognitive, and economic perspectives.

Attributes: BSS
Prerequisites: PSYC 111 Minimum Grade of C AND (PSYC 208 Minimum Grade of C OR PSYC 206 Minimum Grade of C)

PSYC 420 - Applied Behavior Analysis - 3 (MS)

Learning principles, evaluation methods, techniques of managing and modifying human behavior, based upon operant and respondent conditioning.

Attributes: SS
Prerequisites: PSYC 111

PSYC 421 - Psychological Tests & Measure - 3 (FMS)

Principles of psychological measurement, test construction and evaluation; problems in assessment and prediction.

Attributes: SS
Prerequisites: PSYC 220

PSYC 422 - Data Analysis with SPSS - 3

Comprehensive overview of SPSS. Focus on creating databases, analyzing data and interpreting results. Build students' confidence in using the software on their own.

Attributes: SS
Prerequisites: PSYC 220 Minimum Grade of C OR PSYC 221 Minimum Grade of C.

PSYC 431 - Psychopathology - 3 (FMS)

Overview of psychological disorders like those described in the most recent edition of the DSM.

Attributes: BSS
Prerequisites: PSYC 111 Minimum Grade of C

PSYC 433 - Criminal Psychology - 3 (M)

Course will cover various psychological origins, theories, and research on violent and nonviolent criminal behavior and current issues related to crime.

Attributes: SS
Prerequisites: PSYC 111 Minimum Grade of C

PSYC 450 - Clinical Psychology - 3 (FMS)

Introduces concepts in clinical psychology such as psychotherapy, assessment, current controversies, and ethical and cultural issues. Not for Graduate credit.

Attributes: SS
Prerequisites: PSYC 111

PSYC 473 - Personnel Psychology - 3 (F)

Psychological principles and techniques used in job selection, placement, training, employee evaluation.

Attributes: SS
Prerequisites: PSYC 320 OR MGMT 341.

PSYC 474 - Organizational Psychology - 3 (S)

Relationship between organizational functioning and job satisfaction, motivation, performance, and psychological climate in work setting.

Attributes: SS
Prerequisites: PSYC 320.

PSYC 478 - Psychology of Stress and Stress Management - 3 (M)

Physiological, psychological, social, and organizational factors involving stress, are covered, as are theories and models of stress and stress management.

Attributes: BSS
Prerequisites: PSYC 111 Minimum Grade of C

PSYC 491 - Research & Experiential Learning in Psychology - 1 to 6 (FMS)

Research under faculty supervision. May be repeated for a total of 27 hours; only 9 hours of PSYC 491, PSYC 493 and PSYC 496 (no more than 6 hours in any one course) may be applied toward major in Psychology, 3 hours toward minor in Psychology. Requires consent of instructor and GPA above 2.5.

Attributes: SS
Registration Consent: Instructor

PSYC 493 - Field Study in Psychology - 1 to 6 (FMS)

Supervised experiences in clinics, agencies and other professional settings. May be repeated up to 18 credit hours; only 9 hours of PSYC 491, PSYC 492 and PSYC 493 (no more than 6 hours in any one course) may be applied toward major in Psychology, 3 hours toward major in Psychology, 3 hours toward minor in psychology. Not for graduate credit. Requires consent of instructor and chairperson. Must have completed at least 18 hours of psychology; GPA above 2.5.

Attributes: SS
Registration Consent: Advisor

PSYC 494 - Capstone Seminar in Psychology - 3 (FMS)

Students will integrate critical thinking, communication and research skills by examining significant issues in various areas of psychology, culminating in a group research project. Requires declared major in psychology.

Prerequisites: PSYC 221 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Psychology, Must be enrolled in one of the following Classifications: Senior with Degree; Senior

PSYC 495 - Selected Topics in Psychology - 3 (MaS)

Offered occasionally when needed. May be repeated to a maximum of 9 hours so long as no topic is repeated.

Attributes: SS

PSYC 496 - Undergraduate Teaching Assistants in Psychology - 1 to 3 (FMS)

Provides experience/exposure to psychology teaching at the undergraduate level under supervision of the instructor of record for students who have successfully completed the given course.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Psychology
Registration Consent: Instructor and Advisor

Quantitative Reasoning (QR)

QR 101 - Quantitative Reasoning - 3 (FMS)

Focuses on mathematical reasoning and real-life problems. Including: management science, coding, social choice and decision making, size and shape, and modeling. IAI Course M1 904.

Attributes: FQR, IAM

Reasoning and Argumentation (RA)

RA 101 - Reasoning and Argumentation - 3 (FMS)

Students will learn to analyze, critically evaluate, and construct arguments. Topics include organizing information, detecting fallacies, analyzing meaning, and using effective methods of argumentation. IAI Course H4 906.

Attributes: FRA, IAH

Russian (RUSS)

RUSS 101 - Elementary Russian I - 4

Listening, speaking, reading and writing within context of Russian culture. Lab included.

Attributes: BICS, FL, HUM

RUSS 102 - Elementary Russian II - 4

Continuation of RUSS 101.

Attributes: BICS, EGC, FL, HUM
Prerequisites: RUSS 101

RUSS 201 - Intermediate Russian I - 4

Continued practice in listening, speaking, reading, and writing. Grammar review. Cultural and literary readings, compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: RUSS 102

RUSS 202 - Intermediate Russian II - 4

Continuation of RUSS 201. Lab included. IAI Course H1 900.

Attributes: BICS, FL, HUM, IAH
Prerequisites: RUSS 201

RUSS 220 - Intermediate Russian Conversation - 3

Practice in intermediate level conversation. Focus on pronunciation and fluency. Prerequisite: RUSS 102 or equivalent.

Attributes: HUM
Prerequisites: RUSS 102

RUSS 499 - Readings in Russian - 3

Selected areas of language, literature, and culture. Individual work or small groups supervised by Russian faculty. Not for graduate credit. Requires consent of instructor.

Attributes: HUM
Prerequisites: RUSS 202
Registration Consent: Instructor

Study Abroad (SAB)

SAB 200 - Study Abroad - 1 to 16 (F)

University-approved study abroad in a country and institution of the student's choosing. 32 total hours per academic year including summer. Student must be a Sophomore (30+ hours) and in good standing.

Restrictions: May not be enrolled as the following Classifications: Freshman

SAB 300 - Study Abroad - 1 to 16 (F)

University approved study abroad in a country and institution of the student's choosing. 32 total hours per academic year including summer. Student must be a Sophomore (30+ hours) and in good standing.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

SAB 400 - Study Abroad - 1 to 16 (S)

University approved study abroad in a country and institution of the student's choosing. For undergraduate and graduate credit. Student must be a Sophomore (30+ hours) and in good standing.

Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

Science (SCI)

SCI 241A - Foundations in Science: Chemistry, Biology, and Design Projects. - 3 (FS)

General background in science. Laboratory emphasis on process skills, hands-on activities, and projects suitable for children in grades K-8. (a) chemistry,

biology, and design projects.

Attributes: BLS, EL
Prerequisites: CI 200 (concurrency allowed) OR CIED 100 Minimum Grade of C (concurrency allowed) OR SPE 200 (concurrency allowed) OR SPE 100 (concurrency allowed)

SCI 241B - Foundations of Science: Physics, Earth Science and Inquiry Projects - 3 (FS)

General background in science. Laboratory emphasis on process skills, hands-on activities, and projects suitable for children in grades K-8. (b) physics, earth science, and inquiry projects.

Attributes: BPS, EL
Prerequisites: CIED 100 Minimum Grade of C (concurrency allowed) OR SPE 100 Minimum Grade of C (concurrency allowed)

SCI 401 - Selected Topics in Physics - 2 to 4

New discoveries and/or methodologies and techniques in the field. Demonstration and laboratory experiences to support the learning process. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science. Requires consent of instructor.

Registration Consent: Instructor

SCI 405 - Selected Techniques in Physics - 2 to 4

Modern experiments, demonstrations, and equipment; advances in technology; laboratory management and safety. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science.

Registration Consent: Instructor

SCI 411 - Selected Topics in Chemistry - 2 to 4

New discoveries and/or methodologies and techniques in the field. Demonstration and laboratory experiences to support the learning process. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science.

Registration Consent: Instructor

SCI 414 - History of Chemistry - 1 to 3

Topics in history of chemistry. May be repeated to a maximum of 6 hours so long as no topic is repeated. Requires consent of instructor.

Registration Consent: Instructor

SCI 415 - Selected Techniques in Chemistry - 2 to 4

Modern experiments, demonstrations, and equipment; advances in technology; laboratory management and safety. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science.

Registration Consent: Instructor

SCI 421 - Selected Topics in Biology - 2 to 4

New discoveries and/or methodologies and techniques in the field. Demonstration and laboratory experiences to support the learning process. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science.

Registration Consent: Instructor

SCI 425 - Selected Techniques in Biology - 2 to 4

Modern experiments, demonstrations, and equipment; advances in technology; laboratory management and safety. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science. Requires consent of Instructor.

Registration Consent: Instructor

SCI 431 - Selected Topics in Earth & Environmental Science - 2 to 4

New discoveries and/or methodologies and techniques in the field. Demonstration and laboratory experiences to support the learning process. May be repeated to a maximum of 8 hours as long as no topic is repeated. Primarily for teachers of science. Requires consent of instructor.

Registration Consent: Instructor

SCI 435 - Selected Techniques in Earth & Environmental Science - 2 to 4

Modern experiments, demonstrations, and equipment; advances in technology; laboratory management and safety. Primarily for teachers of science.

Registration Consent: Instructor

SCI 442 - Special Topics in Teaching Science in Elementary School - 1 to 4

Topics of special interest in teaching science. Lecture and/or laboratory format. May be repeated to a maximum of 8 hours as long as no topic is repeated.

SCI 451 - Integrated Science - 3

Laboratory-based integrated science course. Interactions of the sciences-earth and space, physical, life sciences and mathematics. Research project, paper, and presentation.

SCI 452 - Special Topics in Teaching Science in Secondary School - 1 to 4

Topics of special interest in teaching science. Lecture and/or laboratory format. May be repeated to a maximum of 8 hours as long as no topic is repeated. Requires consent of instructor.

Registration Consent: Instructor

SCI 462 - Special Topics in Teaching Science in College - 1 to 4 (F)

Topics of special interest in teaching science. Lecture and/or laboratory format. May be repeated to a maximum of 8 hours as long as no topic is repeated.

Registration Consent: Instructor

SCI 489 - Independent Study in Science Education - 1 to 3

Supervised study of assigned material based on needs of student. May be repeated to a maximum of 9 hours as long as no topic is repeated. Primarily for teachers of science. Requires consent of instructor.

Registration Consent: Instructor

Supply Chain Management (SCM)

SCM 315 - Operations Management - 3 (FS)

Study of manufacturing and service operations management. Covers process and product design; quality management; planning/control of materials and capacity; and project management.

Prerequisites: MS 251.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Accountancy,Business Administration, May not be enrolled as the following Levels: Graduate

SCM 435 - Managing and Improving Business Processes - 3 (F)

The course explores decisions around management of processes. We will discuss theory, concepts and tools related to process representations and mapping, process measures, process analysis, process control, and process improvement. Best practices in process management, including process design for lean systems.

Prerequisites: PROD 315 minimum grade of C or SCM 315 minimum grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

SCM 436 - Logistics and Transportation Management - 3

Analysis and management of supply chains and logistics management. Topics include global supply chains, transportation technology and systems, warehousing, location and distribution systems.

Prerequisites: SCM 315
Restrictions: Must be enrolled in one of the following Majors: Business Administration, Must be enrolled in one of the following Levels: Undergraduate, Must be enrolled in one of the following Colleges: School of Business

SCM 440 - Advanced Supply Chain Management - 3 (S)

The course explores supply chain issues. We will

discuss important supply chain metrics, primary supply chain decisions and tradeoffs in these decisions, and basic tools for effective and efficient supply chain management, planning, and supply chain coordination. Global supply chain design, distribution, and outsourcing will also be explored.

Prerequisites: PROD 315 minimum grade of C or SCM 315 minimum grade of C.
Restrictions: Must be enrolled in one of the following Colleges: School of Business

SCM 470 - Seminar in Supply Chain Management - 3

Advanced and specialized topics of current concern to field of supply chain management.

Prerequisites: SCM 440
Restrictions: Must be enrolled in one of the following Colleges: School of Business

SCM 488 - Supply Chain Management Internship - 3

Individualized learning experience designed to connect student classroom learning to professional employment setting. Provides practical experience in the Supply Chain Management field to provide application of theory to actual problems in a non-classroom situation.

Prerequisites: SCM 315 OR PROD 315
Restrictions: Must be enrolled in one of the following Concentrations: Supply Chain Management, May not be enrolled as the following Classifications: Freshman; Sophomore, Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Dept Chair-Program Director

SCM 490 - Independent Study in Supply Chain Management - 1 to 6 (S)

The course introduces students to a variety of supply chain topics, research current supply chain trends and engages them in a community engaged project.

Prerequisites: SCM 315
Restrictions: Must be enrolled in one of the following Colleges: School of Business
Registration Consent: Instructor

Sociology (SOC)

SOC 111 - Introduction to Sociology - 3 (FMS)

Changes, causes and consequences of group life. Scientific and humanistic study of social processes and institutions, including change, control, religion, education, inequality, health, and family. IAI Course S7 900.

Attributes: BSS, ERGU, EUSC, IASS

SOC 272 - Criminology - 3 (S)

An introduction to theory and research on lawmaking, lawbreaking and the reactions to crime and criminality. IAI Course CRJ 912.

Attributes: BSS, ICRJ

SOC 300 - Social Problems - 3 (FMS)

Extent and causes of a number of current American social problems; how social conditions become problems. Some attention to methods of researching problems. IAI Course S7 901.

Attributes: BSS, ERGU, EUSC, IASS

SOC 301 - Survey of Theory - 3 (FS)

Major classical theorists including Durkheim, Marx, and Weber, and contemporary schools of thought including functionalism; conflict; exchange; symbolic interaction.

Attributes: BSS

SOC 302 - Social Research Methods - 3 (FS)

Fundamentals of measurement, research design, and logic of determining cause-effect relationships. Includes experimental, survey, archival, and field research methods. Interrelationships between theory and research.

Attributes: BICS

SOC 303 - Statistics With Computer Applications - 3 (FS)

Survey of key statistical concepts, their application and interpretation. Using a computer to calculate and graphically display statistics. Creating and manipulating data sets. Hypothesis testing.

Attributes: BICS, SS

SOC 304 - Race & Ethnic Relations - 3 (FMS)

Racial and cultural interaction and conflict; causes of prejudice and discrimination; status and participation of majority-minority relations. IAI Course S7 903D.

Attributes: BSS, ERGU, EUSC, IASS, IS
Prerequisites: Complete all Foundations Requirements.

SOC 308 - Gender & Society - 3 (FMS)

Sociological and feminist perspectives on women in American society with an emphasis on institutions that create maintain and reproduce gender and gender inequality. Same as WMST 308.

Attributes: BSS, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

SOC 309 - Social Class and Inequality - 3 (FMS)

Extent and causes of social inequality. Attention to consequences of the sustained existence of such inequalities in our everyday lives.

Attributes: BSS, ERGU, EUSC

SOC 310 - Sociology of Sexualities - 3 (FM)

The sociological studies of sexualities with an emphasis on how sexualities are shaped by and operate within various institutions including medicine, economy, family, and education. Same as WMST 310.

Attributes: BSS, EH, ERGU

SOC 317 - Sociology of Harry Potter - 3 (M)

Examine core sociological concepts through the lens of Harry Potter: culture; social institutions; social stratification; group affiliation. Harry Potter as a cultural and global phenomenon.

Attributes: BSS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman

SOC 323 - Sustainability in Organizations - 3 (S)

Introduces the sociological approach to sustainability and explores today’s organizations in the face of global change, ecosystem degradation and resource limitations. Focuses on key knowledge areas of sustainability theory and practice.

Attributes: BSS

SOC 325 - Creating Social Change - 3 (F)

Sociological contexts of methods and institutional structures in community and social justice endeavors; focus on theory, research, and practice; in preparation for Sociology 433.

Attributes: SS
Prerequisites: SOC 111 Minimum Grade C.

SOC 333 - Sociology for Careers and Life - 3 (F)

Created by SIUE Sociology Faculty to shape our majors and minors in ways that will maximize their career development. The course is organized into three parts: 1) Successful Sociology Student, 2) Preparing for Jobs Related to Sociology, and 3) Application of Sociology & Public Sociology.

Prerequisites: SOC 111 Minimum Grade C.
Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Sociology, Must be enrolled in one of the following Levels: Undergraduate

SOC 334 - Sociology of Food - 3 (S)

We look at the political economic structure and dynamics of food production/consumption and the relationship between food and social relationships.

Attributes: BSS

SOC 335 - Urban Sociology - 3 (MS)

Rise, development, structure, culture, planning, and problems in early and modern cities. How sociologists study cities; metropolitan areas. Some attention to urban social segregation.

Attributes: BSS, ERGU, EUSC

SOC 338 - Sociology at Work - 3 (FMS)

Development, changing nature, and social impact of

industrial organization; transition from mass production to flexible systems, employee participation and labor-management relations.

Attributes: BSS, IS
Prerequisites: Complete all Foundations Requirements.

SOC 356 - Sociology of Sport - 3 (F)

We examine and analyze interactions, behaviors, social constructions, and studies of what has been classified, labeled, and constructed as “sociology of sport.”

Attributes: BSS, EUSC

SOC 360 - Sociology of Immigration - 3 (S)

Focus on immigration to the US; reasons people leave their home countries; effects on economic conditions and families; effects of race on US immigration policy.

Attributes: BSS, EGC, EREG, EUSC

SOC 370 - Bodies and Society - 3

We examine how gender, race, physical ability and sexuality generate meanings that are attached to bodies and how those meanings make some bodies more economically and culturally valuable than others.

Attributes: BSS

SOC 380 - The Art of Drag - 3

Drag has transformed from an act of (illegal) civil disobedience to the center of an Emmy Award winning show. This course explores the art of drag, including what drag is, its history, diversity, world, and cultural politics, and how drag impacts society, drag artists, and issues of identity, gender, and social structure.

Attributes: BSS, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

SOC 383 - Medicine, Health, & Society - 3 (S)

Critically investigates contemporary medical and scientific research/policy, examines social stratification, and considers influences on structural health outcomes, with a focus on health inequalities.

Attributes: BSS, EH, IS
Prerequisites: Complete all Foundations Requirements.

SOC 390 - Sociological Perspective - 3 (FS)

Topics not included in regular course offerings. May be repeated or taken in multiple 3-credit sections without limit on the total number of credit hours taken, provided no topic repeated.

Attributes: BSS

SOC 391 - Sociology of Families - 3 (FS)

Marriage and the family in the U.S. society. Behavioral change including gender roles; dating and mate selection; love and intimacy; alternative family forms; communication/conflict; and divorce/remarriage. IAI Course S7 902. Same as WMST 391.

Attributes: BSS, IASS

SOC 392 - African American Communities - 3

Through ethnographies and case studies, the diversity, agency, resiliency, and struggles of African American communities (in the United States) are illuminated.

Attributes: BSS, ERGU, EUSC

SOC 396 - Readings in Sociology - 1 to 6 (FS)

Supervised reading, projects, and field experience in selected areas. May be repeated for up to 6 hours provided no topic is repeated. Requires consent of department chair or program director.

Attributes: SS
Registration Consent: Instructor and Dept Chair

SOC 411 - Social Movements - 3 (F)

Reviews the emergence, endurance and outcomes of social movement activism mainly in the US. Looks at the theory and empirical realities, paying special attention to political opportunity structures, internal mobilizing structures, and cultural approaches.

Attributes: BSS, ERGU, EUSC
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore; Visiting Student

SOC 421 - Individual and Society - 3 (F)

Integration of individual and society; role structure and orientation to society; habits, communication, channels of meaning, emergence, presentation and defense of self.

Attributes: BSS

SOC 422 - White Collar Crime and Elite Deviance - 3

An examination of the nature, extent, and distribution of white-collar crime as well as its causes, correlates and control.

Attributes: BSS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

SOC 423 - Social Justice and Leadership - 3 (F)

Analysis of social justice in the United States, and how it affects and is affected by leadership styles; Attention to necessity for advocacy and change.

Attributes: BSS, EUSC

SOC 431 - Employment & Workplace Change - 3 (FM)

Practical application and critical analysis of theories, approaches, strategies of organizational and workplace change. Organizations as mechanistic, organic cultures, political systems and arenas of conflict.

Attributes: BSS

SOC 433 - Internship in Sociology - 3 (S)

Supervised placement in actual non-profit/social movement organization or for-profit business. Acquisition of hands-on experience and practical skills, providing head start in meeting career objectives.

Attributes: SS
Prerequisites: SOC 111 Minimum Grade of C and SOC 301 Minimum Grade of C and SOC 302 Minimum Grade of C and SOC 303 Minimum Grade of C and (SOC 338 Minimum Grade of C and SOC 431 Minimum Grade of C (concurrency allowed)) or (SOC 325 Minimum Grade of C and SOC 411 Minimum Grade of C (concurrency allowed)) plus 3 sociology electives.
Restrictions: Must be enrolled in one of the following Concentrations: Diversity and Social Justice,Employment Relations
Registration Consent: Instructor

SOC 440 - Sociology of Popular Culture - 3 (aS)

Relevant theories, methodologies, and works of original research. Students apply knowledge gained by analyzing examples from contemporary popular culture.

Attributes: BSS
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

SOC 470 - Sociology of Deviance - 3

Behavior such as prostitution, drug use, murder, racism, sexual variances, rape and insanity examined theoretically and empirically.

Attributes: BSS

SOC 474 - Victims and Society - 3

Sociological analysis of war, crime, inequality, racism, sexism and other victim-generating conditions and processes; a non-lecture, active-learning course.

Attributes: BSS
Prerequisites: SOC 111.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

SOC 490 - Special Topics in Sociology - 3

Topics not included in regular course offerings. May be repeated once to a maximum of 6 hours provided no topic is repeated.

Attributes: SS

SOC 495 - Applied Community-Based Research - 3 (FS)

Conduct a social research project based on skills developed in previous sociology courses. May use survey participant observation, evaluation/assessment, or other quantitative or qualitative methods. (May not be taken for graduate credit).

Prerequisites: SOC 111 Minimum Grade of C and SOC 301 Minimum Grade of C and SOC 302 Minimum Grade of C and SOC 303 Minimum Grade of C and (SOC 308 Minimum Grade of C or SOC 310 Minimum Grade of C) and (SOC 304 Minimum Grade of C or SOC 335 Minimum Grade of C or SOC 360 Minimum Grade of C or SOC 392 Minimum Grade of C); plus 3 sociology electives.
Restrictions: Must be enrolled in one of the following Majors: Sociology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore

SOC 497 - Sociology Senior Thesis Research Project - 3 to 6

Students develop and complete an independent research project. The project involves developing a do-able research question, developing appropriate literature review, theories and methods and then gathering data. Students must find a Sociology tenure-track faculty member willing to mentor the project. The class culminates in a final written project and oral presentation of the project to faculty.

Prerequisites: SOC 111 Minimum Grade of C and SOC 301 Minimum Grade of C and SOC 302 Minimum Grade of C and SOC 303 Minimum Grade of C and either (SOC 308 Minimum Grade of C or SOC 310 Minimum Grade of C) and (SOC 304 Minimum Grade of C or SOC 335 Minimum Grade of C or SOC 360 Minimum Grade of C or SOC 392 Minimum Grade of C) plus 3 sociology electives.
Restrictions: Must be enrolled in one of the following Majors: Sociology, Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor and Dept Chair

Social Work (SOCW)

SOCW 202 - Introduction to the Social Work Profession - 3 (FS)

The comprehensive introduction to the social work profession will include issues pertaining to professional behaviors and the NASW Code of Ethics, social problems, practice settings, vulnerable populations, and intervention models. This course will also provide a brief overview of Systems Theory and generalist social work practice perspectives including empowerment and strengths perspective.

SOCW 211 - Fundamentals of Social Work Practice - 4 (F)

Basic counseling skills such as empathy, paraphrasing, and focusing will be taught, with one lecture and one lab session per week. 25 hours of service work also required. Advisor consent required.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 301 - Introduction to Social Welfare Policy - 3 (S)

Analysis of problems faced by individuals, families, groups and communities; relationships between definitions of problems and society's response to them, especially policy. Advisor consent required.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 302 - Human Behavior in the Social Environment I - 3 (F)

Perspectives on human functioning from a range of theories with social work application to individuals, families and groups; emphasis on developmental perspectives and human diversity. Advisor consent required.

Attributes: SS
Restrictions: Must be enrolled in one of the

following Majors: Social Work
Registration Consent: Advisor

SOCW 303 - Human Behavior in the Social Environment II - 3 (S)

Perspectives on human functioning from a range of theories with social work application to neighborhoods, organizations, and communities; emphasis on developmental perspectives and human diversity. Advisor consent required.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 315 - Social Work Practice with Individuals & Families - 3 (S)

Problem solving model for generalist social work practice. Applications for working with individuals and families. Includes weekly lab. Advisor consent required.

Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 316 - Social Work Group Practice - 3 (S)

Study of generalist social work practice with groups; survey of selected group intervention models. Includes weekly practice lab. Advisor consent required.

Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 390 - Diversity and Issues of Social & Economic Justice - 3 (FM)

Examines backgrounds and needs of diverse populations including persons who are at-risk. Forms of oppression, social and economic justice issues, and values and ethics. Not for graduate credit.

Attributes: BSS, EUSC
Restrictions: May not be enrolled as the following Classifications: Freshman; Sophomore

SOCW 400 - Social Work Practice with Organizations & Communities - 3 (F)

Applications of generalist practice principles and selected practice models to social work with organizations and communities. Not for grad credit. Requires admission to major. Advisor consent required.

Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 401 - Social Welfare Policy Analysis - 3 (S)

Selected models of policy analysis with applications to social welfare issues. Special emphasis on legislative processes and lobbying for social change. Not for graduate credit. Requires admission to major. Advisor consent required.

Attributes: SS
Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 420 - Substance Abuse - 3

The course is designed to help students understand the etiology, course, and treatment of substance use disorders and other addictions. Special emphasis will be given to biological, psychological, and sociological theories of addiction. Addictions will be viewed within a “person-in-environment” context.

Attributes: SS
Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C) OR ENG 101E Minimum Grade of C AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C).

SOCW 430 - Integrating Spirituality and Religion in Social Work Practice - 3

Explores the concept of spirituality as it relates to social work practice.

Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C) OR ENG 101E Minimum Grade of C AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C).
Restrictions: May not be enrolled as the following

Classifications: Freshman, 1st Semester; Freshman; Sophomore

SOCW 440 - International & Global Issues in Social Work - 3

Explores social work practice with international populations within and outside the United States.

Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C) OR ENG 101E Minimum Grade of C AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

SOCW 454 - Disability in Society - 3

Overview of issues and services pertaining to disability in American society including biological, psychological, familial and social considerations. Not for Graduate Credit.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

SOCW 461 - Children, Youth and Family Services - 3 (S)

Study of practice models, ethical and cultural issues, and intervention skills for work with children and families, including those in child welfare.

Attributes: SS

SOCW 475 - Qualitative Research and Analysis - 3 (S)

Students will learn the basic elements of conducting and evaluating qualitative research, with particular emphasis being placed on narrative research, thematic (e.g., image-based, metaphor) designs, historical research and the analysis of open-ended surveys within the context of mixed research designs (quantitative and qualitative) or stand-alone qualitative research. Advisor consent required.

Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 476 - Quantitative Research and Analysis - 3 (F)

Students will learn how to conduct a basic research project including formulating a topic, designing an instrument, writing hypotheses, designing a sampling plan, gathering and entering data, analysis using Excel and SPSS, and writing up a set of findings. Advisor consent required.

Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 482 - Undergraduate Practicum Seminar I - 4 (F)

With 483. Two consecutive semesters of supervised practicum consisting of a minimum of 400 hours in approved social work setting. Weekly seminars. Social work majors only. NOT FOR GRADUATE CREDIT.

Prerequisites: SOCW 202 Minimum Grade of C AND SOCW 211 Minimum Grade of C AND SOCW 301 Minimum Grade of C AND SOCW 302 Minimum Grade of C AND SOCW 303 Minimum Grade of C AND SOCW 315 Minimum Grade of C AND SOCW 316 Minimum Grade of C AND SOCW 390 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Social Work, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Advisor

SOCW 483 - Undergraduate Practicum Seminar II - 4 (S)

Continuation of SOCW 482. Not for graduate credit. Advisor consent required.

Prerequisites: SOCW 482 Minimum Grade of C Corequisite: SOCW 475
Corequisites: SOCW475
Restrictions: Must be enrolled in one of the following Majors: Social Work
Registration Consent: Advisor

SOCW 486 - Street Gangs: Critical Perspectives - 3

Will provide an alternative understanding of street

gangs as a form of social organization in urban communities.

Attributes: SS
Prerequisites: (ENG 101 Minimum Grade of C OR ENG 101N Minimum Grade of C) OR ENG 101E Minimum Grade of C AND (ENG 102 Minimum Grade of C OR ENG 102N Minimum Grade of C).
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

SOCW 491 - Mental Health - 3

Exploration of mental health issues. Specific attention to the use of the DSM, diagnosis of mental illnesses and values and ethics in social work practice. NOT FOR GRADUATE CREDIT. Advisor consent required.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore
Registration Consent: Advisor

SOCW 495 - Special Topics in Social Work - 3 (F)

Topics not included in regular course offerings. Topic and prerequisites specified in semester course schedule. May be repeated to a maximum of 9 hours with different topics. Not for graduate credit.

Attributes: SS
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

Spanish (SPAN)

SPAN 101 - Elementary Spanish I - 4 (FMS)

Listening, speaking, reading and writing. Culture of Spanish-speaking countries. Lab required.

Attributes: BICS, EREG, FL, HUM

SPAN 102 - Elementary Spanish II - 4 (FMS)

Continuation of SPAN 101. Lab included.

Attributes: BICS, EGC, EREG, FL, HUM
Prerequisites: SPAN 101

SPAN 201 - Intermediate Spanish I - 4 (FS)

Continued practice in listening, speaking, reading, and writing. Grammar review. Cultural and literary readings, compositions. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: SPAN 102 Minimum Grade C

SPAN 202 - Intermediate Spanish II - 4 (FS)

Continued practice in listening, speaking, reading, and writing. Grammar review. Cultural and literary readings, compositions. Lab included. IAI Course H1 900.

Attributes: BICS, FL, HUM, IAH
Prerequisites: SPAN 201 Minimum Grade C

SPAN 301 - Advanced Spanish - 4 (FS)

In-depth grammar review. Composition and conversation. Lab included.

Attributes: BICS, FL, HUM
Prerequisites: SPAN 202 Minimum Grade C

SPAN 302 - Advanced Spanish - Introduction to Literature - 3 (FS)

Selected topics in grammar, readings, and composition. Requires completion of stated prerequisite or consent of instructor.

Attributes: BICS, FL, HUM
Prerequisites: SPAN 202 Minimum Grade C

SPAN 303 - Academic Spanish - 3

Spanish grammar, spelling, and vocabulary for academic purposes. Formal study of the Spanish language to develop oral and written Spanish for academic purposes.

Attributes: BHUM, EUSC
Prerequisites: SPAN 202 Minimum Grade C

SPAN 304 - Interpretation - 3

Oral translation of selected passages, alternating between English and Spanish; development of precision and clarity in both languages.

Attributes: BICS, HUM
Prerequisites: SPAN 202

SPAN 305 - Computer Assisted Written Translation - 4

Computerized automatic translation: English/Spanish and Spanish/English. Lab included. Requires some familiarity with word processing.

Attributes: HUM
Prerequisites: SPAN 202

SPAN 306 - Contemporary Spanish Professional Readings - 3

Selections from publications related to professions and issues.

Attributes: BICS, HUM
Prerequisites: SPAN 202

SPAN 307 - Business Spanish - 3

Oral and written business expression; specialized terminology and idioms.

Attributes: BICS, EGC, HUM
Prerequisites: SPAN 202

SPAN 308 - Spanish Linguistics - 4 (S)

The linguistics features of the Spanish language system; including phonology, morphology, pragmatics, sociolinguistics and comparisons among varieties of Spanish and other languages. Required for majors seeking certification to teach Spanish.

Attributes: BICS, HUM
Prerequisites: SPAN 301

SPAN 309 - Medical Spanish - 3

Oral and written medical communication including idiomatic expressions and specialized terminology. Health-related cultural topics.

Attributes: BICS
Prerequisites: SPAN 202 Minimum Grade C or IS 402 Minimum Grade C

SPAN 310 - Mexican Identity and Society - 3

This class traces the development of contemporary Mexican identity from the Mexican Revolution to Iguala, through films, literature, and music.

Attributes: BHUM, EGC
Prerequisites: SPAN 302

SPAN 311 - Contemporary Spain - 3 (SaF)

Analysis of significant aspects of Spanish culture to improve intercultural understanding and develop language skills.

Attributes: BHUM, EGC
Prerequisites: SPAN 202

SPAN 312 - Contemporary Spanish America - 3 (SaF)

Analysis of significant aspects of Spanish-American culture to improve intercultural understanding and develop language skills.

Attributes: BHUM, EGC
Prerequisites: SPAN 202

SPAN 320 - Advanced Spanish Conversation - 3

Practice in advanced-level conversation. Focus on pronunciation and fluency.

Attributes: BICS, EGC, HUM
Prerequisites: SPAN 202

SPAN 351 - Survey of Spanish Literature: Peninsular - 3 (SaF)

Representative prose, poetry, drama.

Attributes: BHUM, EGC
Prerequisites: SPAN 202

SPAN 352 - Survey of Spanish-American Literature: Colonial Period to Present - 3 (aF)

Representative prose, poetry, drama.

Attributes: BHUM, EGC
Prerequisites: SPAN 302 Minimum Grade C

SPAN 353 - Survey of Drama in the Spanish Language - 3

Selected readings; literary and cultural background.

Attributes: BHUM, EGC
Prerequisites: SPAN 202

SPAN 400 - Senior Essay in Spanish - 3 (FS)

Supervised research and preparation of an extensive

scholarly paper in Spanish. Not for graduate credit. Usually taken after completion of all major courses. Requires Foreign language advisor approval.

Attributes: HUM
Registration Consent: Advisor

SPAN 440 - Contemporary Spanish American Cinema - 3

This course offers a survey of Latin America cinema, concentrating on the critical analysis of representative films, with particular attention to different national cultures.

Attributes: BHUM, EGC
Prerequisites: SPAN 311 Minimum Grade of C OR SPAN 312 Minimum Grade of C

SPAN 451 - Studies in Spanish Literature: Beginnings through 17th Century - 3

Literary analysis of prose, poetry, drama, 11th through 17th centuries. Not for graduate credit.

Attributes: BHUM, EGC
Prerequisites: SPAN 301 or SPAN 302

SPAN 452 - Studies in Spanish Literature: 17th Through 20th Century - 3

Continuation of 451. Literary analysis of prose, poetry, and drama. Not for graduate credit.

Attributes: BHUM, EGC
Prerequisites: SPAN 301 or SPAN 302

SPAN 453 - Seminar in Hispanic Lit - 3

Critical and analytical study of masterpieces. Not for graduate credit.

Attributes: BHUM, EGC
Prerequisites: SPAN 301 or SPAN 302

SPAN 454 - Seminar - 3 to 6

Critical and analytical study of selected topics of literature or literary criticism. May be repeated to a maximum of 6 hours provided that no topic is repeated.

Attributes: BHUM
Prerequisites: SPAN 301 or SPAN 302

SPAN 457 - Don Quixote - 3

Critical and analytical study of Cervantes' masterpiece.

Attributes: BHUM, EGC
Prerequisites: SPAN 301 or SPAN 302

SPAN 471 - Spanish-American Literature Short Stories & Novel - 3

Representative works of last four decades of 20th century. Not for graduate credit.

Attributes: BHUM, EGC
Prerequisites: SPAN 301 or SPAN 302

SPAN 491 - Cultural & Language Workshop - Spanish - 3 to 6 (S)

Comparative or contrastive linguistics, advanced methodology and techniques. In-depth study of foreign cultures, travel-study abroad. Supervised projects in foreign studies. May be repeated to a maximum of 6 hours provided no topic is repeated.

Attributes: EGC, HUM
Restrictions: Must be enrolled in one of the following Classifications: Junior; Senior with Degree; Senior

SPAN 492 - Service Learning for the Advanced Student - 3

Projects. Study abroad in a service-learning context. Hands on field study with emphasis on target culture and language, oral and written communication and supervised individual Requires completion of stated prerequisites or permission of instructor.

Attributes: EGC, EUSC, HUM
Prerequisites: SPAN 301

SPAN 499 - Readings in Spanish - 3

Selected areas of language, literature, and culture. Individual work or small groups supervised by Spanish faculty. Requires consent of instructor.

Attributes: HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: Instructor

Special Education (SPE)

SPE 100 - Introduction to People with Disabilities in Society and School - 3 (FS)

Surveys historical, philosophical, and legal foundations of special education; characteristics and needs of individuals with disabilities; and roles and responsibilities of education professionals.

Attributes: ERGU, EUSC

SPE 290 - Language Development - 3 (MS)

Study of developmental milestones, theories of communication development, and effects of diversity on communication in both typically developing children and children with disabilities. Must be in a teacher education program or instructor approval.

Restrictions: Must be enrolled in one of the following Colleges: Sch of Ed, Hlth and Human Behav
Registration Consent: SEHHB Advisor

SPE 400 - The Exceptional Child - 3 (FMS)

Psychology, identification, and methods of teaching individuals with exceptionalities, including individuals with learning disabilities. Prerequisites: Admission to teacher education program or instructor approval.

Attributes: EUSC
Registration Consent: SEHHB Advisor

SPE 401 - Field Practicum One in Special Education - 1 (F)

Supervised early practicum allows candidates to observe and participate in a special education classroom. Students will complete 90 clock hours.

Prerequisites: SPE 100 Minimum Grade of B Corequisite with SPE405, SPE417A, SPE430A, SPE442
Corequisites: SPE405, SPE417A, SPE430A, SPE442
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled)
Registration Consent: Instructor

SPE 402 - Field Practicum Two in Special Education - 1 (S)

Supervised practicum allows candidates to participate in two special education classrooms containing a range of disabilities. Students will complete 180 clock hours.

Prerequisites: SPE 405 Minimum Grade of C AND SPE 430 Minimum Grade of C AND SPE 450 Minimum Grade of C Corequisite with SPE416, SPE417A, SPE471
Corequisites: SPE416, SPE417A, SPE471

SPE 405 - Foundations of Special Education - 3 (F)

Introduction to problems, characteristics and issues that impact the development of persons with disabilities. Not for Graduate Credit.

Prerequisites: SPE 100 Minimum Grade of B Corequisite with SPE401, SPE417A, SPE430A, SPE442
Corequisites: SPE401, SPE417A, SPE430A, SPE442
Restrictions: May not be enrolled as one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled)

SPE 412 - Assessment for Instructional Decision Making in Special Education - 3 (F)

This course will emphasize processes and procedures for obtaining, interpreting and analyzing information to facilitate effective educational decision-making.

Prerequisites: SPE 402 Minimum Grade of C AND SPE 416 Minimum Grade of C AND SPE 417A Minimum Grade of C AND SPE 470 Minimum Grade of C AND SPE 471 Minimum Grade of C Corequisite with SPE417B, SPE418, SPE422, SPE430B
Corequisites: SPE417B, SPE418, SPE422, SPE430B

SPE 415 - Instructional and Assistive Technology - 3 (M)

Overview of use of instructional and assistive technology. Course will review hardware, software, Internet technologies and application of assistive technology. Not for graduate credit.

Prerequisites: SPE 100 Minimum Grade of B
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled),Special Education

SPE 416 - Functional Curriculum Methods - 3 (S)

Overview of functional curriculum methods for students with severe/multiple disabilities.

Prerequisites: SPE 401 Minimum Grade of C AND SPE 405 Minimum Grade of C AND SPE 430 Minimum Grade of C AND SPE 450 Minimum Grade of C Corequisite with SPE402, SPE417A, SPE471
Corequisites: SPE402, SPE417A, SPE471
Restrictions: Must be enrolled in one of the following Majors: Special Education

SPE 417A - Introductory Reading and Language Arts Methods in Special Education - 3 (F)

Candidates will learn and apply foundational theory and methods for teaching reading and language arts to students with disabilities.

Prerequisites: Corequisite with SPE401
Corequisites: SPE401
Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

SPE 417B - Advanced Reading and Language Arts Methods in Special Education - 3 (S)

Candidates will learn and apply advanced methods of assessment and instruction in reading and language arts for teaching students with disabilities.

Restrictions: Must be enrolled in one of the following Levels: Graduate; Undergraduate

SPE 418 - Field Practicum Three in Special Education - 3 (F)

Supervised practicum requiring the application of knowledge and skills in teaching students with disabilities. Requires 180 hours in the field. Not For Graduate Credit.

Prerequisites: SPE 402 Minimum Grade of C AND SPE 416 Minimum Grade of C AND SPE 417A Minimum Grade of C AND SPE 470 Minimum Grade of C AND SPE 471 Minimum Grade of C Corequisite with SPE417B, SPE412, SPE422, SPE430B
Corequisites: SPE412, SPE417B, SPE422, SPE430B
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled)
Registration Consent: Instructor

SPE 421 - Mathematics Methods in Special Education - 3 (F)

Preparation of pre-service teachers with knowledge and skill in the use of effective teaching techniques in mathematics for persons with disabilities.

SPE 422 - Adaptations and Accommodations in Content-Area Instruction - 3 (F)

Provides pre-service teachers with the knowledge and skills to provide effective adaptations and accommodations for students with disabilities in content-area instruction.

Prerequisites: SPE 402 Minimum Grade of C AND SPE 416 Minimum Grade of C AND SPE 417A Minimum Grade of C AND SPE 470 Minimum Grade of C AND SPE 471 Minimum Grade of C AND EPFR 315 Minimum Grade of C AND EPFR 320 Minimum Grade of C. Corequisite with SPE417B, SPE412, SPE418, SPE430B
Corequisites: SPE412, SPE417B, SPE418, SPE430B
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled)

SPE 430A - Introduction to Classroom Management and Behavior Support - 3 (FMS)

Designing effective learning environments that use evidence-based practices to prevent problems and support social interaction and appropriate classroom behavior.

Restrictions: Must be enrolled in one of the following Fields of Study (Major, Minor, or Concentration): Teacher Education,Special

Education, Must be enrolled in one of the following Levels: Graduate; Undergraduate

SPE 430B - Individualized Behavior Supports - 3 (F)

Identifying and assessing problem behaviors; using data to design and implement evidence-based interventions for individuals with disabilities.

Prerequisites: SPE 402 Minimum Grade of C AND SPE 416 Minimum Grade of C AND SPE 421 Minimum Grade of C AND SPE 441 Minimum Grade of C AND SPE 471 Minimum Grade of C. Corequisite with SPE417B, SPE412, SPE418, SPE422
Corequisites: SPE412, SPE417B, SPE418
Restrictions: Must be enrolled in one of the following Majors: Special Education

SPE 440 - Infants and Toddlers with Special Needs and Their Families - 3 (FM)

Characteristics and interactions of infants and toddlers with special needs and their families; emphasizes collaboration with families and current research, theory and federal/state policies.

Registration Consent: SEHHB Advisor

SPE 441 - Assessment of Preschool Children with Special Needs - 3 (FM)

Instruments for assessment of academic, cognitive, perceptual-motor development. Diagnosis and remediation.

Prerequisites: SPE 440

SPE 442 - Methods and Procedures for Teaching Early Childhood Students with Disabilities - 3 (FM)

Knowledge and skills needed to provide educational services and supports to early childhood students with disabilities and their families. Requires 10 hours field experience. Not for graduate credit.

Prerequisites: SPE 440 Corequisite with SPE 401, SPE405, SPE417A, SPE430A
Corequisites: SPE401, SPE405, SPE417A, SPE430A

SPE 450 - Instructional Planning and Professional Collaboration in Special Education - 3 (F)

Course covers content in service delivery models, program planning and collaboration. Not for graduate credit.

Prerequisites: Corequisite with SPE 401, SPE405, SPE430
Corequisites: SPE401, SPE405, SPE430
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled),Special Education

SPE 470 - Transition Planning - 2 (S)

Overview of transition planning and programming for students with disabilities.

SPE 471 - School and Family Partnerships for Special Education - 3 (S)

This course examines educational, psychological and political issues that arise when developing collaborative relationships between schools and families.

Prerequisites: SPE 401 Minimum Grade of C AND SPE 405 Minimum Grade of C AND SPE 430 Minimum Grade of C AND SPE 450 Minimum Grade of C AND SPE 100 Minimum Grade of B Corequisite with SPE402, SPE416, SPE417A
Corequisites: SPE402, SPE416, SPE417A
Restrictions: Must be enrolled in one of the following Majors: Special Ed (Dual Certificate),Special Ed (Emotion Disturbed),Special Ed (Edu Mentally HCPD),Special Ed (Learning Disabled)

SPE 481 - Student Teaching Seminar in Special Education - 3 (FS)

Professional, ethical, and legal concerns of assessment; instruction, evaluation, behavior management, and technologies.

Restrictions: Must be enrolled in one of the following Majors: Teacher Education,Special Education, Must be enrolled in one of the following Levels: Graduate; Undergraduate

SPE 496 - Reading & Independent Study in Special Education - 1 to 6 (S)

Specific problem areas in education of individuals with disabilities. Topic conditions of study approved via contract. Not for graduate credit. Prerequisite: consent of instructor.

Registration Consent: Instructor

SPE 498 - Workshop: Selected Topics in Special Education - 3 to 6

Topical workshop on concepts, strategies, and concerns in special education. May be repeated to a maximum of 6 hours.

SPE 499 - Special Education Student Teaching - 12 (S)

Teaching students with social and emotional disorders under the immediate supervision of a cooperating teacher and the general supervision of a university instructor. The first student teaching experience must be 12 hours; the second or third experience is for 6 hours each. Not for graduate credit. Prerequisite: completion of all required coursework.

Prerequisites: Corequisite with SPE 481
Corequisites: SPE481
Restrictions: Must be enrolled in one of the following Majors: Special Education
Registration Consent: Instructor

Speech Pathology and Audiology (SPPA)

SPPA 101 - Human Communication and its Disorders - 3 (FMS)

Introduction to speech, language and hearing disorders in people of all ages including assessment and treatment techniques.

Attributes: EH

SPPA 210 - Fundamentals of Language Analysis - 3 (F)

Provides an introduction to human language with emphasis on clinical language analysis, specific to speech-language pathology and audiology majors.

Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 220 - Anatomy & Physiology of the Speech & Hearing Mechanism - 3 (F)

Structure and function of normal communication system.

Attributes: LS
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 231 - Phonetics - 3 (F)

Basic orientation to speech sounds including their individual differences, descriptions and transcriptions of typical and disordered speech.

Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 250 - Cultural Diversity in Applied Health - 3 (S)

Includes an introduction to cultural differences and the effects of culture on communication. Students will also develop understanding and skills for working with individuals in a culturally diverse workplace with focus on applied health.

Attributes: SS
Prerequisites: SPPA 101 Minimum Grade of C or PBHE 355 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Public Health,Speech Lang Path and Audiology

SPPA 312 - Normal Language and Speech Acquisition - 3 (S)

Typical development of language, theory and milestones including phonology, morphology, syntax, semantics, and pragmatics.

Prerequisites: SPPA 210 Minimum Grade of C (concurrency allowed) AND SPPA 231 Minimum Grade of C (concurrency allowed)
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 321 - Hearing Science - 3 (S)

Study of the property of sound, including theories

related to auditory physiology and perception.

Prerequisites: SPPA 220 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 322 - Speech Science - 3 (S)

Basic orientation to the physiological components underlying the propagation, acoustics, and perception of the speech signal in normal human communication.

Prerequisites: SPPA 220 Minimum Grade of C and SPPA 231 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 361 - Basic Audiometry - 3 (F)

Principles and techniques of pure tone and speech reception and immittance audiometry testing.

Prerequisites: SPPA 321 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Language Pathology,Speech Lang Path and Audiology,Speech Pathology and Audiology

SPPA 397 - Neuroanatomy and Physiology of the Speech and Hearing Mechanism - 3 (S)

The brain and neural systems as they relate to normal and disordered communication and its application to clinical case studies.

Attributes: LS
Prerequisites: SPPA 220 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology

SPPA 400 - Independent Study in Speech-Language Pathology - 1 to 3

Investigative consideration of relevant topics not covered extensively in regular curriculum. May be repeated to a maximum of 9 hours. Requires consent of instructor.

Registration Consent: Instructor

SPPA 401 - Speech-Language pathology and Audiology Co-op - 0 (FMS)

Cooperative experience in speech-language pathology and audiology, consisting of various paid experiences or ones that span multiple terms.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: Dept Chair-Program Director

SPPA 402 - Speech-Language Pathology and Audiology Intership - 0 (FMS)

Internship in speech-language pathology and audiology, consisting of various non-paid experiences and limited to one term.

Attributes: COOP
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: Dept Chair-Program Director

SPPA 414 - Special Topics in Speech-Language Pathology - 1 to 6 (FMS)

The purpose of this course is to expose SPPA majors to a variety of topics unique to speech-language pathology and audiology. May be repeated up to a maximum of 6 hours.

Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: Instructor

SPPA 441 - Speech Sound Disorders in Children - 3 (F)

An introduction to speech sound disorders in children; etiology, characteristics, assessment, and treatment; a theoretical and practical perspective.

Prerequisites: SPPA 231 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology

SPPA 442 - Introduction to Voice, Fluency, and Motor Speech Disorders - 3 (F)

Characteristics of voice, fluency and motor speech disorders including basic diagnostic and intervention strategies. Not for graduate credit.

Prerequisites: SPPA 322 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: SEHHB Advisor

SPPA 444 - Language Disorders Across the Lifespan - 3 (S)

Etiology, assessment and intervention with individuals from infancy through adulthood with language disorders. Not for graduate credit.

Prerequisites: SPPA 312 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: SEHHB Advisor

SPPA 446 - Clinical Observation and Procedures in Communication Disorders - 3 (F)

Basic orientation to clinical procedures and observations for therapeutic intervention and assessment. Not for graduate credit.

Prerequisites: SPPA 312 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology
Registration Consent: SEHHB Advisor

SPPA 449 - Clinical Practicum in Speech Language Pathology - 1 to 3

Supervised clinical practice with individuals with a variety of speech and language disorders. May be repeated to a maximum of 9 hours. Graded pass/no credit. Not for graduate credit.

Prerequisites: SPPA 441 Minimum Grade of C AND SPPA 442 Minimum Grade of C AND SPPA 444 Minimum Grade of C AND SPPA 446 Minimum Grade of C AND SPPA 461 Minimum Grade of C.
Registration Consent: Instructor

SPPA 471 - Aural Rehabilitation - 3 (S)

Management of individuals with hearing impairments including auditory training, speech reading and counseling. Note for graduate credit.

Prerequisites: SPPA 461 Minimum Grade of C OR SPPA 361 Minimum Grade of C.
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology
Registration Consent: SEHHB Advisor

SPPA 481 - Problems and Characteristics of Children with Hearing Impairments - 3

Characteristics of speech, language, social, emotional and educational problems of children with hearing impairments. Definitions, current management and service delivery models. Not for graduate credit. Requires consent of instructor.

Prerequisites: SPE 400.

SPPA 499 - Senior Assignment Seminar - 3 (S)

Analytical and critical study of topics related to research, professionalism and clinical practice in speech-language pathology. Not for Graduate Credit.

Prerequisites: SPPA 446 Minimum grade of C. Corequisite: SPPA 471.
Corequisites: SPPA471
Restrictions: Must be enrolled in one of the following Majors: Speech Lang Path and Audiology,Speech Pathology and Audiology, May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Junior; Sophomore
Registration Consent: SEHHB Advisor

Statistics (STAT)

STAT 107 - Concepts of Statistics - 3 (FMS)

Basic concepts of descriptive statistics; probability distribution and inferential statistics (estimating parameters and testing hypotheses); sampling, experimental design, correlation and regression. Credit may not be granted for both 107 and 244.

Attributes: BICS, PS

STAT 244 - Statistics - 4 (FMS)

Summarizing data, including distributions, change and growth, relationships. Basics of survey design

and experimental design. Inferential statistics, including confidence intervals and hypothesis testing. Credit may not be granted for both STAT 107 and STAT 244. IAI Course M1 902.

Attributes: BICS, EL, IAM, PS
Prerequisites: MATH 120 Minimum Grade of C OR MATH 120E Minimum Grade of C OR MATH 120I Minimum Grade of C OR MATH 125 Minimum Grade of C OR MATH 145 Minimum Grade of C OR MATH 150 Minimum Grade of C

STAT 380 - Statistics For Applications - 3 (FMS)

Descriptive statistics; basic probability rules and distributions; inferences for means; variances and proportions; design and analysis of experiments; and regression analysis.

Attributes: BICS, EL, PS
Prerequisites: MATH 152 Minimum Grade of C

STAT 478 - Time Series Analysis - 3

Statistical analysis of time series. Regression and exponential smoothing. Box-Jenkins methodology.

Attributes: PS
Prerequisites: STAT 380 Minimum Grade of C or STAT 480B Minimum Grade of C

STAT 480A - Introduction to Mathematical Statistics - 3 (F)

Mathematical statistical theory. Probability models, distributions of random variables, sampling distributions, generating functions, central limit theorem, limiting distributions, parameter estimation, statistical hypotheses, and linear models. Must be taken in sequence.

Attributes: PS
Prerequisites: MATH 250 Minimum Grade of C

STAT 480B - Introduction to Mathematical Statistics - 3 (S)

Parameter estimation, statistical hypotheses, and linear models.

Attributes: PS
Prerequisites: STAT 480A Minimum Grade of C

STAT 481 - Design & Analysis of Experiments with Applications to Science and Engineering - 3 (S)

Design for experimentation and statistical inference with engineering and science applications. One-way, two-way classification; complete and incomplete block designs. Factorial and fractional factorial designs.Crosslisted with IE 464.

Attributes: PS
Prerequisites: STAT 380 Minimum Grade of C or STAT 480A Minimum Grade C and STAT 480B Minimum Grade C

STAT 482 - Regression Analysis - 3 (F)

Inference in simple, multiple, polynomial and non-linear regression. Stepwise regression, subset selection; residual analysis, transformations and diagnostics.

Attributes: PS
Prerequisites: STAT 380 Minimum Grade of C or STAT 480A Minimum Grade C and STAT 480B Minimum Grade C

STAT 483 - Sample Surveys - 3

Simple random sampling, stratified sampling, one-stage and two-stage cluster sampling. Ratio, regression, difference estimation. Estimation of population size.

Attributes: PS
Prerequisites: STAT 380 Minimum Grade of C or STAT 480A Minimum Grade C and STAT 480B Minimum Grade C

STAT 484 - Reliability Engineering - 3

Probabilistic models for the reliability of coherent systems. Statistical models for lifetimes of components and for repairable systems. Reliability estimation and production. MIL standards. Same as IE 463. Requires completion of stated prerequisites or consent of instructor.

Attributes: PS
Prerequisites: STAT 380 Minimum Grade of C or STAT 480B Minimum Grade C

STAT 485 - Stochastic Processes - 3

Markov chains with applications. Poisson processes. Markov processes with discrete states in continuous time. Renewal theory and queuing theory. Brownian motion and stationary processes.

Attributes: PS
Prerequisites: STAT 480A Minimum Grade of C

STAT 486A - Actuarial Mathematics - 3 (aS)

Utility theory, risk models, survival distributions, life tables. Life insurance models, life annuities, premium calculation, and valuation theory for pension plans.

Attributes: PS
Prerequisites: MATH 340 Minimum Grade of C AND (STAT 380 Minimum Grade of C OR STAT 480A Minimum Grade of C)

STAT 488 - Design and Control of Quality Systems - 3 (S)

Quality design by experimental design; determination of process capability; quality control using statistical control charts; acceptance sampling. Same as IME 465.

Attributes: PS
Prerequisites: (STAT 480A Minimum Grade of C AND STAT 480B Minimum Grade of C) OR STAT 380 Minimum Grade of C

STAT 489 - Applied Statistical Learning & Data Mining - 3

Survey of supervised learning methods and prediction models. Linear and logistical regression, linear discriminant analysis, resampling, regularization, generalized additive models, decision trees, bagging and boosting.

Prerequisites: STAT 380 Minimum Grade of C admission to graduate Math and programming experience or consent of instructor.

STAT 490 - Topics in Statistics - 1 to 3

Selected topics in statistics.

Attributes: PS
Registration Consent: Instructor

STAT 495 - Independent Study - 1 to 3

Research and reading in specified area of interest such as analysis of variance, design of experiments, estimation, testing hypotheses, linear models, robust procedures, reliability. May be repeated to a maximum of 9 hours. Requires written consent of adviser and instructor.

Attributes: PS
Registration Consent: Instructor and Advisor

Surveying (SURV)

SURV 264 - Surveying Fundamentals - 4 (FS)

Surveying applications for construction.

Prerequisites: MATH 125 Minimum Grade of C or MATH 150 Minimum Grade of C.

SURV 310 - Legal Aspects of Surveying - 3 (F)

History of U.S. Public Land Survey System and government surveys of Illinois. Surveying definitions, rules of evidence, and procedures. Laws and administrative rules governing surveying.

Prerequisites: CNST 264 or SURV 264.

SURV 364 - Boundary Surveying - 3 (S)

Evidence and procedures in determining property boundaries and land lines. Laws relating to land surveying in Illinois and Missouri. Role of land surveyor in boundary disputes and locations.

Prerequisites: CNST 310 or SURV 310.

SURV 470 - Internship - 3 (FS)

Acquisition of hands-on experience in the management of a typical surveying project. The jobsite becomes the classroom. Not for Graduate Credit. Requires completion of stated prerequisites and OSHA-30 certificate.

Attributes: EH
Prerequisites: CNST 341 with minimum grade of C or CNST 231 with minimum grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student
Registration Consent: Instructor

SURV 481 - Computer Mapping & Software Applications - 3

This class introduces students to concepts and applications that are essential to the study of automated cartography. This course explores techniques used to capture, store, process, and display data in map form. Emphasis in the course is placed on the application of computer use and graphic design to create assorted map products.

Prerequisites: CE 204.

SURV 482 - Advanced Survey Systems and Senior Assignment - 4 (S)

Celestial observations and GPS. Surveying instrumentation, operation, error sources, and calibration.

Prerequisites: CE 206 or SURV 264.

SURV 484 - Surveying Computations and Applications - 4 (F)

Application of celestial observations and GPS to boundary, topographic, route surveying, and subdivision design. Analysis and adjustment of errors.

Prerequisites: CE 206 or SURV 264.

SURV 485 - Geospatial Science - 3 (S)

This class focuses on the spatial component of the data science. It brings forth theories, concepts and applications that are specific to geographic data in the realm of data science.

Prerequisites: SURV 486 with minimum grade of C.

SURV 486 - Drone Mapping and Applications - 3 (F)

This course will provide an overview of UAS (Drone) Operations and use in surveying, Construction, and Engineering fields. The emphasis will be on Small Unmanned aircraft systems (Rotorcraft) Fundamentals use and operations in both manual and autonomous operations, UAS Applications, regulations, safety, command, and control.

Prerequisites: SURV 264 with minimum grade of C.

SURV 487 - Route Geometrics & Design - 3 (S)

The students will learn to lay out super elevation and circular, parabolic, and spiral curves. They will know the difference between highway and railway horizontal curve geometry and offsets to spiral curves as boundaries. The course will also cover area and volumes of earthwork along proposed roadway corridors.

Prerequisites: SURV 484 with minimum grade of C.

Theater & Dance (THEA)

THEA 111 - The Dramatic Experience - 3 (FMS)

Introductory course to give student understanding of how essential components of theater work together to produce dramatic experience. IAI Course F1 907.

Attributes: BFPA, IAFA

THEA 112A - Core: Acting I - Introduction to Acting - 3 (FS)

Fundamentals of acting combining improvisational exercises with method approach to developing a role emphasis on relaxation, imagination, concentration, and objectives. Open to non-majors. IAI Course TA 914.

Attributes: BFPA, ITA
Registration Consent: Instructor

THEA 112B - Core: Acting II - Creating a Role - 3 (F)

Beginning work in scene study and monologues; emphasizing serious; internal realistic acting techniques applicable to both stage and TV/film. Prerequisite: THEA 112A.

Attributes: FPA
Prerequisites: THEA 112A.

THEA 114A - Core: Forms of Dramatic Action - 3 (FS)

Principles of dramatic action as exemplified in selected plays. Relationships between theatrical process and dramatic form in tragedy and comedy. Requires major status or consent of instructor.

Attributes: FPA

Restrictions: Must be enrolled in one of the following Majors: Theater and Dance,Theater

THEA 114B - Core: Forms of Dramatic Action - 3 (S)

Principles of dramatic action as exemplified in selected plays. Relationships between theatrical process and dramatic form in tragedy and comedy. Requires major status or consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Theater and Dance,Theater

THEA 141 - Film Analysis - 3 (FS)

Fundamentals of film analysis studied as skill essential to understanding of narrative visual media.

Attributes: BFPA

THEA 150 - Core: Scene Design and Construction - 4 (FS)

Designing and executing of scenery used in theater productions. Laboratory and production work are required. Requires consent of instructor.

Attributes: FPA

THEA 160 - Core: Costume Design and Construction - 4 (FS)

Designing and executing of costumes used in theater productions. Laboratory and production work are required. Requires consent of instructor.

Attributes: FPA

THEA 170 - Introduction to Lighting and Stage Management - 0 or 3 (FS)

Fundamentals of lighting design, technology and stage management as used in theater production. Production work is required.

Attributes: FPA

THEA 199 - Theater Production - 0 (FMS)

Practical work on university theater productions. Backstage work in scenery, lighting, costumes, props, sound, or makeup. Work to be arranged for individual needs and interests.

Attributes: FPA

THEA 201A - Core: History of the Theater - 3 (F)

Drama, performance, architecture, design and cultural environment of primitive, Greek, Roman Medieval, and Renaissance. Not for graduate credit. IAI Course F1 908.

Attributes: FPA, IAFA
Prerequisites: THEA 114A

THEA 201B - Core: History of the Theater - 3 (S)

Drama, performance, architecture, design and cultural environment of restoration, eighteenth century, romantic, and modern. Not for graduate credit. IAI Course F1 908.

Attributes: FPA, IAFA
Prerequisites: Both THEA 114A and THEA 114B.

THEA 210A - Acting III: Comedy & Characterization - 3

Exercises and scene work introducing external techniques for physical/vocal characterization and comedy.

Attributes: FPA
Prerequisites: THEA 112A AND THEA 112B.

THEA 210B - Improvisation - 3 (aF)

Building the imagination and extending vocal and physical skills through use of improvisation exercises, scenes, and stories. Requires consent of instructor.

Attributes: FPA
Registration Consent: Instructor

THEA 215A - Movement & Voice for the Stage - 3 (S)

Principles of stage movement and theatrical vocal techniques: vocal production, vocal and physical characterization, introduction to dialect study and stage combat. Requires consent of instructor.

Attributes: FPA
Registration Consent: Instructor

THEA 215B - Stage Combat - 3

Basic empty handed combat for the stage. Safety stressed and choreography explored. Weaponry may be introduced. Requires consent of instructor and good physical health.

Attributes: FPA
Registration Consent: Instructor

THEA 220 - Core: Directing for the Stage - 3 (S)

Elements of director's craft: interpretation, composition and blocking, design and technical considerations, working with actors and directing a scene.

Attributes: FPA
Prerequisites: THEA 112A AND THEA 150 AND (THEA 160 OR THEA 170).

THEA 255 - Scene Painting for the Theater - 2

Traditional and contemporary techniques include layout, cartooning, lining, textures, and color. Studio work. THEA 160 recommended.

Attributes: FPA
Prerequisites: THEA 150 Minimum Grade of C.

THEA 265 - Theater Makeup - 2

Design and application techniques for character, old age, prosthetics, crepe hair, stylization, gore, and fantasy makeup. May be taken twice.

Attributes: FPA

THEA 275 - Sound for the Theater - 3

Design and practical operations, including computer programs, sound control, acoustics, loudspeakers, underscoring, and sound effects.

Attributes: BICS, FPA

THEA 290 - Special Projects - 1 to 3 (F)

Individual work in any area of theater. May be repeated to maximum of 6 hours. Requires consent of instructor.

Attributes: FPA
Registration Consent: Instructor

THEA 298 - Introduction to Theater Education in Schools - 3

Philosophies of arts education, focusing on teaching theater arts in school. Planning and executing of lesson plans and productions.

Attributes: FPA

THEA 309 - Musical Theater Workshop - 3

Preparation and performance of songs across musical styles, developing audition materials and skills in acting, singing, and movement through solo and ensemble work.

Attributes: FPA
Registration Consent: Instructor

THEA 310A - Acting IV: Period Styles - 3 (S)

A variety of theater genres are explored through their language, physicalization, history, and dramatic literature. Scenes/monologues performed from each period/style.

Attributes: FPA
Prerequisites: THEA 112B and THEA 215A.

THEA 310B - Acting VI: International/Experimental Styles - 0 or 3 (aF)

Utilization of international and experimental performance techniques, designed to promote global and contemporary aesthetics and abilities.

Attributes: EGC, FPA
Restrictions: Must be enrolled in one of the following Classifications: Junior

THEA 312 - Multicultural Theatre and Dance in America - 3 (F)

Facilitate understanding of multicultural theatre and dance in America through discussion, performance, and play readings centered around artists of different ethnic backgrounds.

Attributes: EUSC, FPA

THEA 314A - Advanced Scene Study - 3

Immersion in contemporary acting technique, applied to modern dramatic texts, with a focus on constructive collaboration, effective listening, and

emotional revelation.

Attributes: FPA
Prerequisites: THEA 112A Minimum Grade of C AND THEA 112B Minimum Grade of C
Restrictions: Must be enrolled in one of the following Majors: Theater and Dance

THEA 314B - Audition Technique - 3

Advanced study of audition techniques and scenarios, including monologues and cold readings for both live theater and camera.

Attributes: FPA
Prerequisites: THEA 112A minimum grade of C.
Restrictions: Must be enrolled in one of the following Majors: Theater and Dance

THEA 315A - Dialects for the Stage - 3

Foreign and American dialects. Scenes and monologues performed in dialect. International Phonetic Alphabet (IPA) introduced.

Attributes: FPA
Prerequisites: THEA 112A.

THEA 340A - Theater Graphics: Drawing and Rendering for the Theater - 3 (aF)

Theatrical drawing, painting, and drafting by hand, including perspective drawing, figure drawing, watercolor rendering, and set and pattern drafting.

Attributes: BFPA

THEA 340B - Computers in Theater - 3 (aF)

CAD drafting for scenery and lighting, three-dimensional imagery and printing, digital drawing and painting, pattern drafting, introduction to projection design.

Attributes: FPA

THEA 350 - Scene Design - 3

Advanced study of rendering techniques, design projects, critique sessions and research techniques. May be taken twice.

Attributes: BFPA
Prerequisites: THEA 150 minimum grade of C.

THEA 360 - Costume Design - 3 (aF)

Art and process of designing costumes for theater and dance; theory, analysis of text, movement, rendering, historical research, and character. May be taken twice.

Attributes: BFPA
Prerequisites: THEA 160 minimum grade of C.

THEA 370 - Lighting Design - 3 (aS)

Lighting concepts and sensitivity to lighting environments. Lighting plans, light plots, schedules and section drawings. May be taken twice.

Attributes: BFPA
Prerequisites: THEA 170 minimum grade of C.

THEA 392 - American Musical Theater: History and Development - 3 (S)

Exploration of the forms of popular entertainments, diverse musical cultures, and landmark musicals which contributed to the evolution and maturation of this uniquely American genre.

Attributes: BFPA

THEA 394 - Playwriting - 3

Provides a close acquaintance with a range of theatrical strategies explore by playwrights and a workshop forum for the development of students' own writing. Cross-listed with ENG 394.

Attributes: FPA
Prerequisites: ENG 102 minimum grade of C or ENG 102N minimum grade of C.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student

THEA 396 - Special Topics in Theater and Dance Literature/Theory - 3

Varied content. Topics related to Theater and Dance Literature and Theory. May be repeated up to 9 hours.

Prerequisites: THEA 114A minimum grade of C.

THEA 397 - Special Topics in Theater and Dance

History - 3

Varied content. Topics related to Theater and Dance History. May be repeated up to 9 hours.

Prerequisites: THEA 114A minimum grade of C.

THEA 398 - Advanced Studies in Theater Education - 3

Practical application and execution of teaching theater in the schools. Practical work in theater productions at the elementary, middle, or high school level.

Attributes: FPA
Prerequisites: THEA 298.

THEA 399 - Special Topics in Theater - 1 to 3 (FS)

Varied content. Topics related to theater and/or dance. May be repeated up to 6 hours as long as no topic is repeated.

Attributes: FPA

THEA 410 - Auditioning and the Business of Acting - 3 (F)

Information and skills necessary to gain professional work as an actor or acting teacher. Auditions, photographs, interviews, cold-readings, commercials, voice tapes, and introduction to television acting. Not for graduate credit. Prerequisite: Senior performance major or consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Majors: Theater and Dance, Must be enrolled in one of the following Classifications: Senior

THEA 412 - Acting for the Camera - 3

Acting principles and techniques. Exercises, commercials, and scenes from television and movie scripts will be video-taped and critiqued for on-camera effectiveness. Prerequisite: Consent of instructor.

Attributes: FPA
Prerequisites: THEA 112A.
Registration Consent: Instructor

THEA 450 - Adv Scene Design Projects - 1 to 3 (S)

Advanced practical work on studio or university theater productions. May be repeated to max of 9 hours. NOT FOR GRADUATE CREDIT. Requires completion of stated prerequisites for consent of instructor.

Attributes: FPA
Prerequisites: THEA 350.
Restrictions: May not be enrolled as the following Levels: Graduate
Registration Consent: Instructor

THEA 460 - Advanced Costume Design Project - 1 to 3

Advanced practical work on studio or University Theater productions. May be repeated to max of 9 hours. Not for graduate credit. Requires completion of stated prerequisites or consent of instructor.

Attributes: FPA
Prerequisites: THEA 360.
Restrictions: May not be enrolled as the following Levels: Graduate
Registration Consent: Instructor

THEA 470 - Advanced Lighting Design Projects - 1 to 3

Advanced practical work on studio or University Theater productions. Normally limited to work as lighting designer, assistant lighting designer or master electrician. May be repeated to a maximum of 9 hours. Requires completion of stated prerequisites and consent of instructor.

Attributes: FPA
Prerequisites: THEA 370.
Restrictions: May not be enrolled as the following Levels: Graduate
Registration Consent: Instructor

THEA 490 - Special Projects - 1 to 3 (FS)

Individual work for advanced students in any area of theater. May be repeated to a maximum of 6 hours. Not for graduate credit. Prerequisite: consent of instructor.

Attributes: FPA
Registration Consent: Instructor

THEA 495 - Theater Practicum - 1 to 3

Practical work in university theater productions. Backstage work in scenery, lighting, costumes, props, sound, or makeup. Work to be arranged for individual needs, interests. May be repeated to a maximum of 6 hours. Not for graduate credit. Requires consent of instructor.

Attributes: FPA
Registration Consent: Instructor

THEA 499A - Performance - 3 (S)

Performance. Individual/group projects demonstrating proficiency in theater applications and general education skills and knowledge. Requires Senior standing and consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

THEA 499B - Design/Technical - 3 (F)

Design/technical. Individual/group projects demonstrating proficiency in theater applications and general education skills and knowledge. Requires Senior standing and consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

THEA 499C - Theater History/Literature/Criticism - 3

(c) Theater History/Literature/Criticism. Individual/group projects demonstrating proficiency in theater applications and general education skills and knowledge. Prerequisites: senior standing and consent of instructor.

Attributes: FPA
Restrictions: Must be enrolled in one of the following Classifications: Senior with Degree; Senior
Registration Consent: Instructor

University Experience (UNIV)

UNIV 040 - Intermediate Reading and Writing - 5 (FS)

In this class non-native English speakers will develop their academic skills in reading, writing, and critical thinking.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 041 - Advanced Reading and Writing - 5 (F)

In this class non-native English speakers will further develop their academic skills in reading, writing, and critical thinking.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 042 - Intermediate Listening and Speaking - 5 (FS)

In this class non-native English speakers will develop their academic skills in listening, speaking, and university skills.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 043 - Advanced Listening and Speaking - 5 (FS)

In this class non-native English speakers will further develop their academic skills in listening, speaking, and university skills.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 044 - Intermediate Grammar - 1 (FS)

In this class non-native English speakers will develop their academic skills in grammar knowledge in order to build their verbal and written fluency.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program

Registration Consent: Instructor

UNIV 045 - Advanced Grammar - 1 (S)

In this class non-native English speakers will further develop their academic skills in grammar knowledge in order to build their verbal and written fluency.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 046 - Intermediate Vocabulary - 1 (FS)

In this class non-native English speakers will develop their academic skills in vocabulary knowledge, in order to build their verbal and written rhetoric.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 047 - Advanced Vocabulary - 1 (FS)

In this class non-native English speakers will further develop their academic skills in vocabulary knowledge, in order to build their verbal and written rhetoric.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 048 - University Orientation - 1

In this class non-native English speakers will develop their university skills, focusing on preparing for college-level academic work and becoming an engaged member of their SIUE community. This class's foci will guide them to be a successful student, community member, and global citizen, with many themes falling within SIUE's published values.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 049 - Special Topics in English Language Development - 1

In this class non-native English speakers will develop skills designed for a specialized language goal for the group.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 050 - Graduate Oral Communication - 3

In this class non-native English speakers will further develop their academic skills in listening, speaking, and critical thinking. Through dynamic and academic contexts, including videos, lectures, debates, presentations, charts, and other infographics they will practice note-taking, focused attention, listening, speaking, grammar, vocabulary, and pronunciation skills.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 051 - Graduate Research & Academic Writing - 6

In this class non-native English speakers will develop their academic writing in university-level research skills. They will learn about and practice using appropriate techniques, citation rules, and guidelines in preparing and presenting their research.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 052 - Independent Study - 1

In this independent study, non-native English speakers will meet with an IEP instructor for one hour per week to obtain additional language skill support and tutoring in a particular area of weakness. Tutoring content will be personalized to meet each student's individual needs.

Restrictions: Must be enrolled in one of the following Majors: Intensive English Program
Registration Consent: Instructor

UNIV 112 - Reading Lab - 0 to 3 (FS)

This reading lab focuses on developing college reading skills. Students will work to improve reading comprehension and skills. Students will learn various reading strategies to be successful in college courses.

Registration Consent: Advisor

UNIV 113 - Topics In Early College Exploration - 0 to 1

Topics designed to enhance student college knowledge along with an in-depth understanding of major/career requirements and expectations. Continuing students, faculty, and professional support staff will present on their experiences, programs, resources, and roles. Course may be taken up to three times, so long as no topic is repeated.

Restrictions: Must be enrolled in one of the following Classifications: Freshman, 1st Semester; Freshman; Visiting Student
Registration Consent: Dept Chair-Program Director

Women's Studies (WMST)

WMST 200 - Issues in Feminism - 3 (FS)

Beliefs, values, and commitments of the women's movement and their implications for lives of both women and men.

Attributes: BSS, EUSC

WMST 300 - Women's Health - 3

Explores health trends that affect women. Analysis of psychosocial influences on health with particular emphasis on the link between wealth and health. Same as PBHE 300

WMST 305 - Psychology of Gender - 3 (FMS)

Psychological and cultural history of gender, changing sex roles, socialization, sexuality, issues related to mental health, stereotyping, cognition. Same as PSYC 305.

Attributes: BSS, EUSC
Prerequisites: PSYC 111.

WMST 308 - Gender & Society - 3 (FMS)

Sociological and feminist perspectives on women in American society with an emphasis on institutions which create, maintain, and reproduce gender and gender inequality. Same as SOC 308.

Attributes: BSS, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

WMST 310 - Sociology of Sexualities - 3 (M)

The sociological studies of sexualities with an emphasis on how sexualities are shaped by and operate within various institutions including medicine, economy, family, and education. Same as SOC 310.

Attributes: BSS, ERGU

WMST 313 - Women in Cross-Cultural Perspective - 3

Comparisons of positions, roles, and problems of women in contemporary cultures from selected world areas and socioeconomic levels. Anthropological perspectives on issues of women's studies. Same as ANTH 313.

Attributes: BSS, EUSC

WMST 331 - Gender & Communication - 3 (MSaF)

Investigation of the influences of gender on the communication process. Activities, exercises and presentations, sensitize students to gender influence on verbal and nonverbal communication. Same as ACS 331.

Attributes: BSS, ERGU, EUSC

WMST 332 - Women, Health, Science in History - 3

A history of women as patients, professionals, creators, and subjects of science and medicine worldwide.

Attributes: BSS, EGC, IS
Prerequisites: Complete all Foundations Requirements.

WMST 341 - African-American Women's Writing - 3 (FS)

Poems, novels, short stories, essays, dramas, autobiography and other texts by African-American women writers during various periods from colonial to contemporary times. Same as ENG 341.

Attributes: BHUM, EUSC

WMST 344 - Women and Values - 3

Examines women's philosophical contributions to traditional areas of value theory including ethics; social, legal and political philosophies; and philosophies of art and religion. Same as PHIL 344.

Attributes: BHUM, EUSC

WMST 345 - Women, Knowledge, and Reality - 3

The course surveys various feminist theories of knowledge, with particular attention to science and how gender influences our claims to knowledge. Same as PHIL 345

Attributes: BHUM, EUSC

WMST 346 - Feminist Theory - 3

Social philosophy from feminist perspective. Major theoretical works of women's movement. Same as PHIL 346.

Attributes: BHUM, EUSC

WMST 351 - Women in Mass Communication - 3

Exploration of women's relationship to media. Dual focus on women as producers and subjects of media. Emphasis on history and intersectionality. Same as MC 351.

Attributes: EUSC, HUM
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

WMST 353 - Representing Women's Bodies 300-1500 - 3

Women's bodies in historical and present society. Investigates cultural discourses about women's bodies such as the need for transformation and perfection. Critical and feminist theory. Same as IS 353

Attributes: EGC, IS
Prerequisites: Complete all Foundations Requirements.

WMST 354 - Women and Cross-National Politics - 3 (S)

Women as citizens and as political leaders in the areas of politics, labor, peace, war and violence. Same as POLS 354.

Attributes: BSS, EREG, ERGU, EUSC

WMST 367 - Gender and Criminal Justice - 3

Explores issues of gender in criminal justice, particularly with regard to offending, victimization, processing, incarcerating, rehabilitating and among professionals in the field. Same as CJ 367.

Attributes: SS
Restrictions: May not be enrolled as the following Levels: Graduate

WMST 380 - The Art of Drag - 3

Drag has transformed from an act of (illegal) civil disobedience to the center of an Emmy Award winning show. This course explores the art of drag, including what drag is, its history, diversity, world, and cultural politics, and how drag impacts society, drag artists, and issues of identity, gender, and social structure.

Attributes: BSS, ERGU, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

WMST 390 - Special Problems - 3

Varying topics in the study of gender bearing directly on women's experience. May be repeated for maximum of 6 hours provided no topic is repeated.

WMST 391 - Sociology of Families - 3 (FS)

Marriage and the family in U.S. society. Behavioral change including gender roles; dating and mate selection; love and intimacy; alternative family forms; communication/conflict; and divorce/remarriage. IAI Course S7 902. Same as SOC 391.

Attributes: BSS, IASS

WMST 428 - Topics in European Women's

History - 3

Selected topics in women's history since the middle ages. Chronological framework will vary from semester to semester. Same as HIST 428.

Attributes: BHUM, EGC

WMST 441 - Women and Politics in America - 3

Consideration of politics and power in gender roles, family, class, occupation and research, women and the political system and women and public policy. Same as POLS 441.

Attributes: BSS, EUSC, IS
Prerequisites: Complete all Foundations Requirements.

WMST 451 - Gender and Education - 3 (S)

Policies and practices related to sex-role stereotyping, teacher expectations and gender, curricular bias, discrimination, personnel policies, strategies for change. Same as EPFR 451

Attributes: EUSC

WMST 452 - Native American Women - 3

Investigates Native American gender roles, particularly women's roles, from an ethnohistorical perspective. Same as HIST 452.

Attributes: BHUM, EUSC

WMST 456 - Seminar on Women Writers - 3

Fiction, nonfiction, drama, and poetry. Taught in English. For credit in FL, term paper must be written in French. Same as FR 456

Attributes: BHUM, EGC

WMST 473 - Women in Art - 3

History of women artists from the Renaissance to the present. Same as ART 473.

Attributes: ARTH, EGC, FPA
Prerequisites: ART 225B minimum grade of C.

WMST 478 - Studies in Women, Language & Literature - 3 (FS)

Relationships among society, gender, language and literature: ways women are affected by and depicted in language and literature; literature written by women; feminist criticism. Same as ENG 478.

Attributes: BHUM, EUSC, IS
Prerequisites: Complete all Foundations Requirements.
Restrictions: May not be enrolled as the following Classifications: Freshman, 1st Semester; Freshman; Sophomore

WMST 490 - Special Problems - 3

Varying topics, in depth study of gender and women's experience or feminist theory. Content and format to be arranged with instructor. May be repeated for a maximum of 6 hours provided no topic is repeated. Requires consent of department chair or program director.

Registration Consent: Dept Chair-Program Director

WMST 495 - Independent Study - 1 to 4

Individual research in women's experience or feminist theory. Content and format to be arranged with instructor. Requires consent of department chair or program director.

Registration Consent: Dept Chair-Program Director

WMST 499 - Practicum in Women's Studies - 3

Practical learning experience in women-oriented activities or organizations. Ten hours weekly plus readings or paper. Requires consent of department chair or program director.

Registration Consent: Dept Chair-Program Director