

Southern Illinois University Carbondale



2013–2014 Counselors' Advisement Catalog

This publication provides information about Southern Illinois University Carbondale. Primary attention is given to suggested curricula for undergraduate degree programs.

Students starting their collegiate training (first graded course from an accredited institution) during the period of time covered by the 2013–2014 Undergraduate Catalog (summer 2013 through spring 2014) are subject to the curricular requirements specified in the 2013–2014 Undergraduate Catalog. The requirements will extend for a seven-calendar-year period from the date of entry for baccalaureate programs and a three-calendar-year period for associate programs. Students, who have not met their undergraduate educational objectives during these periods, will become subject to current curricular requirements.

Should the requirements contained in the SIU Carbondale 2013–2014 Undergraduate Catalog subsequently be changed by SIU Carbondale, students are assured that necessary adjustments will be made so that no additional time is required of them. Where programs include requirements established by agencies external to SIU Carbondale, every effort will be made to follow the same principal as far as possible. Should subsequent curricular requirement changes work to students' advantage, they may elect to meet the new requirements rather than those contained in the undergraduate catalog.

Should SIU Carbondale find it necessary to discontinue an academic program, the effective date, unless otherwise dictated, will be such that the last regularly admitted class will be able to complete the program in regular-time sequence: four years for baccalaureate and two years for associate programs. A student who has withdrawn from SIU Carbondale may not be readmitted to a discontinued program.

SIU Carbondale reserves the right to make changes, as it deems necessary, in curricular requirements, academic policies, and other rules and regulations affecting students, to be effective whenever determined by SIU Carbondale, without regard to students' dates of admission or start of collegiate training.

SIU Carbondale is an Equal Opportunity/Affirmative Action institution in accordance with Civil Rights legislation and does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, sexual orientation, marital status, or other factors prohibited by law in any of its educational programs, activities, admission or employment practices. Concerns regarding this policy should be referred to the University Affirmative Action Office, SIU Carbondale, 1075 S. Normal Avenue, Davies Hall Room 153, Carbondale, IL 62901 and/or telephone (618) 453-1196.

For information or concerns pertaining to this catalog, contact the Registrar's Office,
Southern Illinois University Carbondale, Carbondale, IL 62901.

For access to the Undergraduate Catalog visit: <<http://registrar.siu.edu>>.

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Approved 2013 - 2014 University Calendar

Interession 2013

Interession Begin Monday, May 13
Interession Ends Friday, June 7

Summer Session 2013

Eight-Week Session Begins Monday, June 10, 7:30 A.M.
Independence Day Holiday Thursday, July 4
Final Examinations Thursday, August 1 and Friday, August 2
Commencement *Ceremonies now held only in May and December*

Fall Semester 2013

Semester Classes Begin Monday, August 19
Labor Day Holiday Monday, September 2
Fall Break Saturday, October 12, 12:00 Noon through Tuesday, October 15
Veterans Day Holiday Monday, November 11
Thanksgiving Vacation Wednesday, November 27, through Sunday, December 1
Final Examinations Monday, December 9 through Friday, December 13
Commencement Saturday, December 14, 2013

Spring Semester 2014

Semester Classes Begin Monday, January 13
Martin Luther King, Jr. Holiday Monday, January 20
Spring Vacation Saturday, March 8, 12:00 Noon through Sunday, March 16
Honors Day Sunday, April 13
Final Examinations Monday, May 5 through Friday, May 9
Commencement Saturday, May 10, 2014

All Breaks begin officially at 10:00 p.m. the night before and end at 7:30 a.m. the morning after the respective beginning and ending dates listed, unless otherwise noted.

Accommodating Religious Observances of Students

Southern Illinois University Carbondale will make reasonable accommodation for individual student religious observances. The *Policy Accommodating Religious Observances of Students* appears in its entirety in Chapter 7 of the Undergraduate Catalog.

General Information

SIU Carbondale Profile

Name	Southern Illinois University Carbondale
Founded	1869
Location	Southwest corner of Carbondale
Telephone	(618) 453-2121
Type	Comprehensive Public University
Student body	Co-ed
Calendar	Early semester (fall and spring), summer session
Campuses	Carbondale; <i>New</i> Transportation Education Center; Southern Illinois Airport; outdoor laboratories; University Farms
Acreage	1,136-acre main campus; 8,586 total acres
Buildings	494
Colors	Maroon and white
Mascot	Saluki (Egyptian hunting dog)
Degrees offered	Associate: A.A.S.
Bachelor's:	B.A., B.S., B.M., B.F.A.
Master's:	M.ACC., M.A., M.ARCH, M.A.T., M.B.A., M.E., M.F.A., M.L.S., M.M., M.P.A., M.P.A.D., M.P.H., M.S., M.S.Ed., M.S.P.A., M.S.W., LL.M., P.S.M.
Doctor's:	Ph.D.
Doctor's, Professional Practice:	M.D., J.D.

Student Profile, Fall 2012

Enrollment	14,130	undergraduate
	4,070	graduate
	647	professional
	18,847	total
Residency	77%	from Illinois
	16%	from other states
	7%	from 95 other countries

The Campus Environment

Community	Carbondale, Illinois (population 27,000)
Location	Jackson County in southern Illinois
Miles from	St. Louis, 110; Chicago, 330; New York, 960; San Francisco, 2,140
Terrain	Slightly rolling (elevation 400–500 feet)
Climate	Pleasant and mild year-round with an average temperature of 57.0 degrees
Area	Historical “Little Egypt,” year-round outdoor recreation, four large scenic lakes, national forest and game refuge

Campus Visit Opportunities

We encourage prospective students and their families, friends, and counselors to learn more about SIU Carbondale through various on-campus events. Activities include campus visits, group visit days, and open houses.

SIU Open Houses

Open house programs are all about giving you the full Saluki experience. You can tour, meet with people from Admissions, Financial Aid, and University Housing, sit in on info sessions; and browse our information fair with representatives from all academic departments and student support programs.

Individualized Visits

Students who are serious about attending SIU, and need more personalized attention, should schedule an individual campus visit. You'll talk to an admission counselor, meet with a representative in your academic area of interest, take a tour with a current student, and see a residence hall room all in a smaller, more individualized atmosphere.

Admitted Student Days

Admitted students are invited to these in-depth programs. Held during the spring semester, these programs are focused on academics and allow students to complete enrollment steps as they make their final decision to attend SIU.

Group Visits

Students and counselors can get together with classmates or other students from their church or organization and schedule a group visit. SIU will arrange special academic activities and presentations to meet the needs of the group. Advanced reservations are necessary. Call 618-453-7141 to schedule a group visit.

School and College Visits

Undergraduate Admissions assists high schools and community colleges by providing representatives for college day and night programs, counseling prospective students, visiting schools and colleges on request, distributing University materials, and providing general assistance to counselors.

Contact Undergraduate Admissions to receive a schedule of SIU open houses, to schedule an appointment for an individual or group visit, or to find out when an SIU representative will be visiting your school. SIU Carbondale representatives are available to answer questions Monday through Friday 8:00 a.m. to 4:30 p.m.

Undergraduate Admissions

Southern Illinois University
425 Clocktower Drive, Mail Code 4710
Carbondale, IL 62901
Phone: (618) 536-4405
E-mail: admissions@siu.edu
Home page: <http://admissions.siu.edu>

Transportation

ACE Taxi

319 N. Illinois Avenue.....(618) 549-8294
AMTRAK (including the Saluki - from Carbondale to Chicago)
401 South Illinois Avenue.....(800) 872-7245
BART, van service to and from the St. Louis Airport.....
(800) 284-2278
GREYHOUND BUS SERVICE
905 East Main(618) 549-3495 or (800) 231-2222
SOUTHERN ILLINOIS AIRPORT
(4 miles west of Carbondale on Illinois 13)....(618) 529-1721
WILLIAMSON COUNTY AIRPORT
(11 miles east of Carbondale on Illinois 13)....(618) 993-3353
YELLOW CAB
215 South Illinois Avenue.....(618) 457-8121

Saluki Express

Saluki Express busses stop at all single-student and family housing locations. Students may ride with a valid student identification card.

Home Page Directory

SIU Carbondale's web site is a convenient source of information for students who have access to the Internet. From our home page, www.siu.edu, students can link to information for future students, current students, parents and families, SIU Carbondale alumni, Saluki athletics, and visitor information including transportation and lodging.

Start at the home page, click on "Future Students" or "Current Students". This leads to information about admission, costs, financial assistance, housing, academic programs, degree requirements, as well as the following.

An On-Line Admission Application

Future students may complete the application online and submit it electronically. Begin by going to: admissions.siu.edu.

Opportunities for the Transfer Student

Application procedures, transfer credit equivalency listings, the Illinois Articulation Initiative home page, descriptions of the Capstone Option, and the Dual Admission Program may be found at: transfer.siu.edu.

SalukiNet

Students can access information about the status of their admission application and financial aid by visiting SalukiNet at: <https://salukinet.siu.edu>. Create an account by clicking on the "New User? Create Account" link. To view your admission application status, click "My Records," then "View my Student Records." Click "Student," then "Admissions." Under "Processed Application," choose the term for which you applied. To view Financial Aid information, click the "My Finances" tab. For assistance call Information Technology at 618-453-5155.

Undergraduate Catalog

The Undergraduate Catalog is on-line and includes SIU Carbondale degree requirements, academic programs and courses, as well as University policies and procedures. It can be found at: registrar.siu.edu.

Other Information Available on SIU Carbondale's Web Pages

Academic programs: majors, minors, specializations
Computing on campus
Intercollegiate Athletics Library
SIU Bookstore
Student Center
Student Center dining facilities
Student Recreation Center
The Daily Egyptian
University Museum

University Telephone Directory

Listed below are the various offices, schools, and colleges that can help counselors, prospective students, and parents find information that may not be included in the SIU Carbondale publications they have. Please feel free to direct inquiries to the appropriate areas. The mailing address is Southern Illinois University, Carbondale IL 62901.

Offices

SIU Carbondale home page <http://siu.edu/>
Aerospace Studies (Air Force ROTC) (618) 453-2481
Airport, Southern Illinois (618) 453-1147
Army Military Science (Army ROTC) (618) 453-5786
Athletics, Intercollegiate (618) 453-5311
Bursar (billing department) (618) 453-2221
Center for International Education (618) 453-5774
Disability Support Services (618) 453-5738
Exploratory Student Advisement (618) 453-4351
Financial Aid (618) 453-4334
Housing, on-campus (618) 453-2301
Housing, off-campus (618) 453-2301
International Students and Scholars (618) 453-5774
Morris Library Circulation (618) 453-1455
Parking Division (618) 453-5369
Registrar's Office (618) 453-2963
Student Involvement & Leadership Development
(618) 453-5714
Student Health Center (618) 453-3311
Student Recreation Center (618) 453-1277
Study Abroad Program (618) 453-7670
Testing Services (CLEP, Placement/ Proficiency,
ACT Residual) (618) 453-6003
Undergraduate Admissions (618) 536-4405
University Honors Program (618) 453-2824

Schools and Colleges

College of Agricultural Sciences. (618) 453-2469
College of Applied Sciences and Arts. (618) 536-6682
College of Business (618) 453-3328
College of Education and Human Services (618) 453-2415
College of Engineering (618) 453-4321
The Graduate School (618) 536-7791
School of Law. (618) 536-7711
College of Liberal Arts (618) 453-2466
Library Affairs (618) 453-2522
College of Mass Communication & Media Arts. . (618) 453-4308
School of Medicine. (618) 536-5511
College of Science (618) 536-6666
University College. (618) 453-1828

Undergraduate Academic Programs

- Accounting ⁴
- Advanced Energy and Fuel Management ¹⁰
- Aerospace Studies (AFROTC) ¹
- Africana Studies
- Agribusiness Economics ^{2, 4}
- Agricultural Sciences ⁴
- Agricultural Systems and Education ²
 - Agricultural Communications
 - Agricultural Education ³
 - Agricultural Production Management
 - Agricultural Systems Technologies
 - Food and Process Engineering Technology
 - General Agriculture
- Air Traffic Control¹
- Aircraft Product Support ¹
- Airport Management and Planning ¹
- American Studies ¹
- Animal Science ^{2, 4}
 - Equine Science
 - Production
 - Science and Pre-Veterinary Medicine
- Animation ¹
- Anthropology ⁴
- Applied Linguistics ¹⁰
- Aquatics ¹
- Architectural Studies
- Architecture ¹⁰
- Army Military Science (Army ROTC) ¹
- Art ^{3, 4}
 - Art Education
 - Art History
 - Ceramics
 - Communication Design
 - Drawing
 - General Studio
 - Glass
 - Industrial Design
 - Metalsmithing
 - Painting
 - Printmaking
 - Sculpture
- Asian Studies ¹
- Automotive Technology ²
- Aviation Flight ⁵
- Aviation Management ²
- Aviation Technologies ²
 - Aircraft Maintenance
 - Aviation Electronics
 - Helicopter Maintenance
- Behavior Analysis and Therapy ¹⁰
- Biological Sciences ^{3, 4}
 - Biology Education
 - Biomedical Science
 - Ecology
- Biomedical Engineering ¹⁰
- Business Administration ⁴
- Business and Administration ¹¹
- Business Economics
- Chemistry ^{3, 4}
 - American Chemical Society Certification
 - Biochemistry
 - Business
 - Comprehensive Chemistry
 - Environmental Chemistry
 - Forensic Chemistry
- Child and Family Services ¹
- Chinese ¹
- Chiropractic, Pre ⁶
- Cinema and Photography
 - Cinema
 - Photography
- Civil Engineering ⁴
 - Environmental Engineering
- Classical Civilization ¹
- Classics
- Coaching¹
- Communication Disorders and Sciences ^{3, 4}
- Community Health Education ¹⁰
- Computer Engineering ⁴
- Computer Science ⁴
- Crop, Soil and Environmental Management
 - Crop Production and Mangement
 - Soil Science
- Creative Writing ¹⁰
- Criminology and Criminal Justice ⁴
- Curriculum and Instruction ¹⁰
- Curriculum and Instruction Secondary Education ¹⁰
- Dance ¹
- Dental Hygiene ²
- Dentistry, Pre ⁶
- Design ⁴
 - General
- Early Childhood ³
 - Child and Family Services
 - Pre-School/Primary
- East Asian Civilization ¹
- Economics ⁴
 - Financial Economics
 - General Economics
 - International Economics
 - Law Economics
- Educational Administration ¹⁰
- Educational Psychology ¹⁰
- Electrical and Computer Engineering ¹⁰
- Electrical and Computer Engineering Dual Degree
- Electrical Engineering ⁴
 - Computer Engineering
- Electronic Systems Technologies ²
 - Electronics Management
- Elementary Education ³
- Engineering Sciences ¹⁰
- Engineering Technoogy ^{2, 4}
 - Electrical Engineering Technology
- English ^{3, 4}
 - Creative Writing
 - General/Graduate School
 - General/Literature
 - Pre-Professional
 - Teacher Education Preparation
- Environmental Resources and Policy ¹⁰
- Environmental Studies ¹
- Equine Studies ¹
 - (See Animal Science)
- Exercise Science ⁴
- Exploratory Student Advisement ⁷
- Fashion Design and Merchandising
 - Fashion Design
 - Fashion Merchandising
 - Fashion Stylist
- Finance
 - Financial Institutions
 - Financial Management
 - Investments
- Fire Service Management ^{2, 9}
- Food and Nutrition ¹⁰
- Foreign Language and International Trade
 - Chinese
 - French
 - German
 - Japanese
 - Spanish
- Foreign Languages and Literatures ^{1, 4}
 - International Public Service
 - Teaching and Non-Teaching
- Forensic Science¹

Forestry ⁴
 Forest Hydrology
 Forest Recreation and Park Management
 Forest Resources Management
 Urban Forest Management
 Wildlife Habitat Management and Conservation
 French ^{3, 4}
 International Public Service
 Geography and Environmental Resources ⁴
 Climate and Water Resources
 Environmental Sustainability
 Geographic Information Science
 Geology ⁴
 Environmental
 Geophysics
 Resource Geology
 Geosciences ¹⁰
 German Studies ³
 International Public Service
 Global Studies ¹
 Greek ¹
 Health Care Management ²
 Health Education ^{3, 4}
 Community Health Education
 Higher Education ¹⁰
 Historical Studies ¹⁰
 History ^{3, 4}
 Horticulture ²
 Production Horticulture
 Landscape Horticulture
 Turf Management
 Hospitality and Tourism Administration ²
 Event Planning and Management
 Food Service Management
 Lodging Management
 Tourism Management
 Human Nutrition and Dietetics
 Industrial Technology ²
 Manufacturing Technology
 Information Systems Technologies ²
 Interior Design
 International Studies
 Africa and the Middle East
 Asia and the South Pacific
 Europe
 Latin America and the Caribbean
 Japanese ¹
 Journalism
 Advertising/Integrated Marketing Communication
 News Media News Production
 News Editorial
 Photojournalism
 Sports Media (SU 2013)
 Latin ¹
 Latino and Latin American Studies ¹
 Law, Pre ⁶
 Legal Studies ¹⁰
 Linguistics ⁴
 English as a New Language
 Management
 Entrepreneurship
 General Management
 Global E-Business
 Management of Health Care Enterprises
 Personnel Management
 Supply Chain Management
 Manufacturing Systems ¹⁰
 Marketing
 Mass Communications and Media Arts ¹⁰
 Mathematics ^{3, 4}
 Mathematics and Science Education ¹⁰
 Mechanical Engineering ⁴
 Media Theory & Research ¹⁰
 Medical Dosimetry ¹⁰
 Medicine, Pre ⁶
 Microbiology ⁴
 Mining Engineering ⁴
 Geological Engineering
 Molecular Biology, Microbiology and Biochemistry ¹⁰
 Molecular, Cellular and Systemic Physiology ¹⁰
 Mortuary Science and Funeral Service ²
 Museum Studies ¹
 Music ^{3, 4}
 Liberal Arts Music
 Music Business
 Music Education
 Music Theory/Composition
 Musical Theater
 Performance Guitar
 Performance Instrumental (Standard Orchestral and Wind Instruments)
 Performance Keyboard
 Performance Voice
 Piano Pedagogy
 Studio Jazz
 Musical Theater
 Native American Studies ¹
 Nursing, Pre ⁶
 Optometry, Pre ⁶
 Paralegal Studies ²
 Pre-Law
 Peace Studies ¹
 Pharmacy, Pre ⁶
 Pharmacology and Neuroscience ¹⁰
 Philosophy ⁴
 Pre-Law
 Physical Education Teacher Education
 Physical Therapy, Pre ⁶
 Physical Therapist Assistant ⁵
 Physician Assistant ¹⁰
 Physician Assistant, Pre ⁶
 Physics ⁴
 Biomedical Physics
 Computational Physics
 Materials and Nanophysics
 Physiology
 Plant, Soil and Agricultural Systems ¹⁰
 Plant Biology ⁴
 Ecology
 Molecular and Biochemical Physiology
 Systematics and Biodiversity
 Podiatry, Pre ⁶
 Political Science ⁴
 International Affairs
 Pre-Law
 Public Service
 Professional Media & Media Management Studies ¹⁰
 Psychology ⁴
 Public Administration ¹⁰
 Radio, Television, & Digital Media
 Digital Media Arts and Animation
 Electronic Journalism
 Electronic Sports Media (SU 2013)
 Media Industries
 Production-Radio/Audio, TV/Video
 Radiologic Sciences ²
 Diagnostic Medical Ultrasound
 Education and Management
 Magnetic Resonance Imaging/Computed Tomography
 Radiation Therapy Technology
 Recreation ⁴
 Leisure Services Management
 Outdoor Recreation Leadership and Management
 Therapeutic Recreation
 Rehabilitation ¹⁰
 Rehabilitation Administration & Services ¹⁰
 Rehabilitation Counseling ¹⁰
 Rehabilitation Services ²

Russian¹
 Social Science³
 Social Work⁴
 Sociology⁴
 Spanish^{3, 4}
 International Public Service
 Special Education^{3, 4}
 Elementary Education
 Special Education and Elementary Education
 Speech Communication⁴
 Intercultural Communication
 Interpersonal Communication
 Organizational Communication
 Performance Studies
 Persuasive Communication
 Public Relations
 Sport Administration
 Speech Pathology (see Communication Disorders and Sciences)
 Teaching English to Speakers of Other Languages¹⁰
 Technical Resource Management^{2, 8}
 Health and Safety Management⁹
 Professional Construction Management
 Theater⁴
 University Studies
 Veterinary Medicine, Pre⁶
 Women, Gender and Sexuality Studies¹

Workforce Education and Development^{2, 3, 4}
 Career and Technical Education
 Business, Marketing & Computer Education
 Family & Consumer Sciences
 Health Careers
 Technology Education
 Education, Training and Development
 Zoology⁴
 Animal Biology
 Environmental Biology
 Fisheries Biology & Aquatic Conservation
 Pre-Veterinary Science
 Wildlife Biology & Conservation

¹ Minor only.

² Capstone Option is available if an A.A.S. degree or equivalent certification is completed. Your Capstone Option application must be on file by the end of your first semester at SIU Carbondale. Additional requirements are detailed on the Capstone Option application.

³ Teacher Certification program available.

⁴ Graduate degree program offered.

⁵ Associate degree program; can lead toward bachelor's degree or third year specialization beyond associate.

⁶ Pre-professional program.

⁷ "Exploratory Student Advisement" is a classification given entering students undecided about a major.

⁸ An individual program of study for applicants with occupational, technical, or similar background.

⁹ Offered off campus only.

¹⁰ Graduate Degree program only.

¹¹ Offered online only.

Accreditations and Affiliations

One measure of the strength and reputation of a university is the accreditations it holds. Among those groups that have given accreditation to SIU as a whole or to its individual programs are:

AACSB International -

The Association to Advance Collegiate Schools of Business
 777 S. Harbour Island Blvd, Suite 750
 Tampa, FL 33602-5730
 Telephone: (813) 769-6500
 url: <http://www.aacsb.edu>

Accreditation Board for Engineering and Technology
 111 Market Place, Suite 1050
 Baltimore, MD 21202-4012
 Telephone: (401) 347-7713
 url: <http://www.abet.org>

Accreditation Association for Ambulatory Health Care, Inc.
 5250 Old Orchard Road, Suite 200
 Skokie, IL 60077
 Telephone: (847) 853-6060
 url: <http://www.aaahc.org>

Accreditation Review Commission on Education
 for the Physician Assistant (ARC-PA)
 12000 Findley Rd., Suite 150
 Johns Creek, GA. 30097
 Telephone: (770) 476-1224
 url: <http://www.arc-pa.org>

Accrediting Council on Education in Journalism and
 Mass Communications
 School of Journalism
 1435 Jayhawk Blvd.
 University of Kansas
 Lawrence, KS 66045
 Telephone: (785) 864-3973
 url: <http://www2.ku.edu/~acejmc/>

ACPHA-Accreditation Commission for Programs in
 Hospitality Administration
 211Tred Avon Street, PO Box 400
 Oxford, MD 21654
 Telephone: (410) 226-5527
 url: <http://www.acpha-cahm.org>

American Association of Museums
 1575 Eye Street, Suite 400
 Washington, DC 20005
 Telephone: (202) 289-9116
 url: <http://www.aam-us.org>

American Bar Association Standing Committee on Paralegals
 321 N. Clark Street
 Chicago, IL 60654
 Telephone: (312) 988-5617
 url: <http://www.americanbar.org/groups/paralegals.html>

American Board of Funeral Service Education
 3414 Ashland Avenue, Suite G
 St. Joseph, MO 64506
 Telephone: (816)233-3747
 url: <http://www.abfse.org>

American Camp Association Illinois Section
 67 E. Madison, Suite 1406
 Chicago, IL 60603
 Telephone: (312) 332-0833
 url: <http://www.acail.org>

American Chemical Society
 1155 Sixteenth Street, NW
 Washington, DC 20036
 Telephone: (800) 227-5558
 url: <http://www.acs.org>

American Psychological Association, Commission on Accreditation
 750 First St., N.E.
 Office of Program Consultation and Accreditation
 Washington, DC 20002-4242
 Telephone: (202) 336-5500
 url: <http://www.apa.org/ed/accreditation>

American Registry of Radiologic Technologists (ARRT)
 1255 Northland Drive
 St. Paul, MN 55120-1155
 Telephone: (651) 687-0048
 url: <http://www.rrt.org>

American Society of Agricultural and Biological Engineers (ASABE)
 2950 Niles Road
 St. Joseph, MI 49085
 Telephone: (269) 932-7021
 url: <http://www.asabe.org>

Association for Assessment & Accreditation of Lab Animal Care (AAALAC)
 5283 Corporate Drive, Suite 203
 Frederick, MD 21703
 Telephone: (301) 696-9626
 url: <http://www.aaalac.org>

Association for Behavior Analysis International (ABAI)
550 W. Centre Avenue
Portage, MI 49024
Telephone: (269) 492-9310
url: <http://www.abainternational.org>

Association of University Programs in Health Administration (AUPHA)
2000 14th Street North, Suite 780
Arlington, VA 22201
Telephone: (7 03) 894-0940 ext. 110
url: <http://www.aupha.org>

Association for Assessment and Accreditation of Laboratory Animal
Care International (AAALAC)
5283 Corporate Drive, Suite 203
Frederick, MD 21703-2879
Telephone: (301) 696-9626
url: www.aaalac.org

Association for Behavior Analysis International
550 W. Centre Avenue
Portage, MI 49024
Telephone: (269) 492-9310
url: <http://www.abainternational.org>

Aviation Accreditation Board International (AABI)
3410 Skyway Drive
Auburn, AL 36830
Telephone: (334) 844-2431
url: <http://www.aabi.aero/>

CLIA-Clinical Lab Improvement Amendment
IL Department of Public Health
525 W. Jefferson Street, 4th Floor
Springfield, IL 62761
Telephone: (217) 524-0135
url: www.cms.hhs.gov/clia

COLA
Reference ID #5438 #0455
9881 Broken Land Parkway, Suite 200
Columbia, MD 21046
Telephone: (800) 981-9883
url: <http://www.colac.org>

Accreditation Council for Education in Nutrition and Dietetics
The American Dietetic Association
120 South Riverside Plaza
Suite 2000
Chicago, IL 60606
Telephone: (312) 899-0040/ (800) 877-1600, ext. 5400
url: <http://www.eatright.org>

Commission on Accreditation in Physical Therapy Education (CAPTE)
1111 N. Fairfax Street
Alexandria, VA 22314-1488
Telephone: (703) 684-2782
url: <http://www.apta.org>

Commission on Accreditation of Allied Health Education
Programs (CAAHEP)
1361 Park Street
Clearwater, FL 33756
Telephone: (727) 210-2350
url: <http://www.caahep.org>

Commission on Accreditation of Rehabilitation Facilities (CARF)
6951 East Southpoint Road
Tucson, AZ 85756
Telephone: (520) 325-1044 or (888) 281-6531
url: <http://www.carf.org>

Commission on Dental Accreditation of the American Dental Association
211 E. Chicago Ave., Suite 1900
Chicago, IL 60611-2678
Telephone: (312) 440-4653
<http://www.ada.org>

Commission on English Language Program Accreditation (CEA)
801 North Fairfax Street
Alexandria, VA 22314
Telephone: (703) 519-2070
www.cea-accredit.org

Council for Accreditation of Counseling and Related
Educational Programs (CACREP)
1001 N. Fairfax, Suite 510
Alexandria, VA 22314
Telephone: (703) 535-5990
url: <http://www.cacrep.org>

Counsel for Interior Design Accreditation (CIDA)
206 Grandville Avenue, Suite 350
Grand Rapids, MI 49503
Telephone: (616) 458-0400
url: <http://www.accredit-id.org>

Council on Academic Accreditation in
Audiology and Speech-Language Pathology (CAA)
2200 Research Boulevard
Rockville, MD 20850-3289
Telephone: (301) 296-5781
url: <http://www.asha.org>

Council on Rehabilitation Education (CORE)
1699 E. Woodfield Road, Suite 300
Schaumburg, IL 60173
Telephone: (847) 944-1345
url: <http://www.core-rehab.org>

Council on Social Work Education
1701 Duke St., Suite 200
Alexandria, VA 22314
Telephone: (703) 683-8080
url: <http://www.cswe.org>

Educational Leadership Constituent Council
The University of Texas at Austin
1 University Station D5400
Austin, TX 78712
Telephone: (512) 475-8592
url: <http://npbea.org>

Federal Aviation Administration Flight Standards District Office
1250 North Airport Drive, Suite 1
Springfield, IL., 62707-8417
Telephone: (217) 744-1910
url: <http://www.faa.gov/fsdo/spi>

Section of Legal Ed and Admissions to the Bar,
Office of the Consultant on Legal Ed to the American Bar Association
321 N. Clark Street, 21st floor
Chicago, IL 60654
Telephone: (312) 988-6738
url: http://www.americanbar.org/groups/legal_education.html

Illinois Alcohol and Other Drug Abuse Professional Certification
Association, Inc.
401 E. Sangamon Avenue
Springfield, IL 62702
Telephone: (217) 698-8110
url: <http://IAODAPCA.org>

International Association of Counseling Services
101 S. Whiting Street, Suite 211
Alexandria, VA 22304
Telephone: (703) 823-9840
url: <http://www.iacsinc.org>

International Fire Service Accreditation Congress
Oklahoma State University
1700 West Tyler
Stillwater, OK 74078-8075
Telephone: (405) 744-8303
url: <http://www.ifsac.org>

Joint Review Committee on Education in Radiologic Technology (JRCERT)
20 N. Wacker Drive, Suite 2850
Chicago, IL 60606-3182
Telephone: (312) 704-5300
url: www.jrcert.org

Liaison Committee on Medical Education (LCME)
American Medical Association (AMA)
515 North State Street
Chicago, IL 60610
Telephone: (312) 464-4933
url: <http://www.lcme.org>

National Architectural Accrediting Board (NAAB)
1735 New York Avenue, NW
Washington, DC 20006
Telephone: (202) 783-2007
www.naab.org

National Association for the Education of Young Children (NAEYC)
1313 L Street, N.W., Suite 500
Washington, DC 20005
Telephone: (800) 424-2460 ext. 11318
[url: http://www.naeyc.org](http://www.naeyc.org)

National Association of Schools of Art and Design
11250 Roger Bacon Dr., Suite 21
Reston, VA 20190
Telephone: (703) 437-0700 ext. 12
[url: http://www.arts-accredit.org](http://www.arts-accredit.org)

National Association of Schools of Music
11250 Roger Bacon Dr., Suite 21
Reston, VA 20190
Telephone: (703) 437-0700 ext. 12
[url: http://www.arts-accredit.org](http://www.arts-accredit.org)

National Association of Schools of Public Affairs and Administration
1029 Vermont Avenue, N.W., Suite 1100
Washington, DC 20005
Telephone: (202) 628-8965 ext. 103
[url: http://www.naspaa.org](http://www.naspaa.org)

National Association of Schools of Theatre (NAST)
11250 Roger Bacon Dr., Suite 21
Reston, VA 20190
Telephone: (703) 437-0700 ext. 12
[url: http://www.arts-accredit.org](http://www.arts-accredit.org)

National Automotive Technicians Education Foundation
101 Blue Seal Drive, SE Suite 101
Leesburg, VA 20175
Telephone: (703) 669-6650
[url: http://www.natef.org](http://www.natef.org)

National Council for Accreditation of Teacher Education (NCATE)
2010 Massachusetts Ave., N.W., Suite 500
Washington, DC 20036-1023
Telephone: (202) 466-7496
[url: http://www.ncate.org](http://www.ncate.org)

Society of American Foresters (SAF)
5400 Grosvenor Lane
Bethesda, MD 20814-2198
Telephone: (301) 897-8720 ext. 240
[url: http://www.safnet.org](http://www.safnet.org)

The Association of Technology, Management and
Applied Engineering (ATMAE)
1390 Eisenhower Place
Ann Arbor, MI 48108
Telephone: (734) 677-0720
[url: http://www.atmae.org](http://www.atmae.org)

The Higher Learning Commission of the North Central
Association of Colleges and Schools
230 S. LaSalle St. Suite 7-500
Chicago, IL 60604-1411
Telephone: (312) 263-0456 ext. 107
<http://www.ncahlc.org>

Admission Policies and Procedures

Admission Policies, Requirements, Procedures

Policies and procedures for admission are presented in the admissions section of this chapter. Definitions of each category of admissions are included along with procedures needed to follow to complete your undergraduate admission application.

APPLYING FOR ADMISSION

You may obtain an application by applying online at: <http://admissions.siu.edu> or by downloading a printable application at: <http://admissions.siu.edu> The application requires a \$40 non-refundable fee. The admission application cannot be processed until the application fee is received. The fee must be paid using a credit card if applying electronically and by check or money order if using the downloaded application.

The application term may be changed one time per application, provided the request is made prior to the start of the original application term.

The University closes admission to some programs whenever the availability of faculty or facilities necessitates such closures. The University also stops accepting admission applications from freshman whenever the availability of the University resources dictates this action.

If you are a transfer student you can be considered for any future term. Transfer students who intend to transfer to Southern Illinois University Carbondale before completing one year of study may be admitted prior to completing their transfer work if they qualified for admission as beginning freshmen.

As part of its admission process, the University requires applicants to answer a series of "Public Safety Questions" eliciting information about prior criminal convictions, pending criminal charges, and disciplinary suspensions from other colleges or universities. If a positive response is given to one or more of these Public Safety Questions, the applicant is asked to provide supplemental information and to authorize the University to conduct a criminal background check if deemed necessary. The University requires this information to help ensure a safe environment for all members of our community and their property and to evaluate the character, maturity, and responsibility of its applicants. Information obtained from the applicant and through the criminal background check will be evaluated and may serve as a basis to deny admission or to impose specific conditions on admission. Providing false or inaccurate information relative to the applicant's criminal or disciplinary history may result in denial of admission. The existence of a conviction, pending criminal charges or previous disciplinary suspension does not necessarily mean that a student will be denied admission to the University. Each case will be evaluated on its facts.

Documents required to process an application for admission

All students need a completed Undergraduate Admission Application accompanied by the \$40 application fee.

New first time freshmen and transfers with less than 26 semester hours

1. High School Transcripts or GED Test Scores.
2. ACT or SAT scores¹.

Transfer Students (including those with less than 26 semester hours)

1. Transcripts from each institution of post-secondary education attended, even if no credit was earned. Transcripts must not be issued for more than 30 days.
Must have their official ACT scores sent to the University from ACT, Inc., Box 451, Iowa City, Iowa 52240, www.act.org

or their official SAT scores sent to the university from the College Board SAT Program, PO Box 6200, Princeton, New Jersey 08541, <www.collegeboard.com>.

Programs Requiring Additional Materials or Screening

In addition to the undergraduate admission application and the required educational records, some programs require applicants to submit other materials. If other materials are needed, the student will receive information and instructions from their intended major after admission to the University.

The following majors require that students be screened beyond the regular SIU Carbondale admission requirements before entering directly into the programs: architectural studies, automotive technology, aviation flight, aviation management, business and administration, dental hygiene, fire service management, music, physical therapist assistant, and radiologic sciences.

In most cases, students may apply for any major in any term. However, a few majors at SIU permit new students to enter in the fall semester only. They are: architectural studies, dental hygiene, fashion design and merchandising, interior design, physical therapist assistant and radiological sciences. For transfer students, admission to architectural studies and interior design in spring or summer will be considered individually.

Some programs offer major courses beginning in the fall only, but will permit students to begin in the spring and summer terms to take non-major courses. These programs include mortuary science and funeral service.

ADMISSION OF FRESHMEN

To be eligible for admission, you must be a graduate of a recognized high school. Graduates of non-recognized high schools may be admitted to the University by submitting an acceptable entrance examination score. If you have not completed high school, you may be considered for admission by passing the GED test.

Students entering the University as freshmen are admitted to the academic unit within the University that offers the academic program they indicate they plan to pursue if the student qualifies for admission into that program. Students who are in the process of deciding on the course of study they want to follow are admitted as Exploratory Students (undecided) or to selected other academic units with an undecided major.

Students admitted as beginning freshmen, but who enroll at another college or university prior to their enrollment at Southern Illinois University Carbondale may face a change in their admission status. It will be necessary for students to report work in progress and forward the official transcripts after completion of the coursework.

Beginning freshmen are considered for admission on the basis of a combination of high school performance and test scores (ACT or SAT). In addition, students entering the University are required to have completed selected high school courses to qualify for unconditional admission. All students granted admission while in high school are required to graduate from high school and to meet the High School Course Pattern Requirements listed below.

High School Course Pattern Requirements. This policy applies to beginning freshman and transfer students who have completed fewer than twenty-six semester hours of transferable credit.

High school units in excess of the required number of units in social studies or science may be redistributed among the other categories by applying no more than one unit to any of the following categories: social studies, science, or elective. Elective subjects cannot be substituted for required courses in English,

mathematics, science or social sciences. A prospective student with two or more deficiencies in English or mathematics may be subject to denial.

Beginning freshmen may satisfy a course pattern deficiency by achieving a sub score on the ACT, which is equivalent to the sixtieth percentile on the College Bound Norms. CLEP scores or AP scores that qualify the student for credit may also fulfill deficiencies. The tests must be in the area that is deficient.

Students, who have course pattern deficiencies but qualify for admission based on test scores and grade point average, will be admitted to the University on the condition that deficiencies will be satisfied through the academic advisement process.

Selected applicants are exempt from the high school subject requirements. These include students whose class rank and ACT test scores are at the seventy-fifth percentile, participants in the high school/concurrent enrollment program until the time of their high school graduation, and transfer students who have earned twenty-six semester hours of transferable credit.

Requirements for Admission of Freshmen

High school graduation and fulfillment of mandated course subject pattern requirements are required for admission.

Additionally, applicants meeting either of the following two criteria will be automatically admitted to the University. Exceptions to this rule are those programs that have, with the approval of the Chancellor, established additional admission requirements beyond the University's minimum standards for admission and recommendations of the Campus Violence

Prevention Committee that deny or place conditions on admission.

ACT composite score at or above 23 and a high school grade point average at, or above, 2.0 (on a 4.0 scale), in core courses *or*

ACT composite score at or above 18 and high school grade point average at or above 3.0 (on a 4.0 scale), in core courses.

All other applicants who meet the course pattern requirements will undergo a holistic review to determine potential admissibility. Admission of students who do not meet automatic admission requirements may be subject to conditions.

The preferred deadline for completed applications is December 1st, for entry in the following fall semester. The secondary deadline is May 1st. A completed application consists of an Application for Admission and Scholarships and receipt of all necessary credentials, including test scores and transcripts. All completed applications received by the preferred deadline will be guaranteed a decision by February 1.

Applications are reviewed by representatives of the University's various academic units and a University Admissions Review Committee, which make recommendations to the office of Undergraduate Admissions. All appeals are initiated through Undergraduate Admissions. Further appeals should be directed to the Director of Admissions. Appeals beyond the Director of Admissions should be directed to the Provost. Decisions by the Provost are final.

High School Course Requirements for Admission		
Course	Required Units	High School Courses That Complete the Area
English	4	Emphasizing written and oral communication and literature
Social Studies	3	Emphasizing history, government, sociology, psychology, geography, etc.
Mathematics	3	Algebra I and II, and a proof-based geometry. A fourth unit is highly recommended: trigonometry and precalculus, or statistics, depending on the student's area of interest.
Science	3	Laboratory sciences.
Electives	2	Foreign language, art, music, or vocational education. If a foreign language is taken, it must include two semesters of the same language.
Total 15 – 15.5		

ADMISSION OF TRANSFER STUDENTS

If you have attended another college, university, or postsecondary institution you are required to submit an official transcript from each institution attended. All transcripts become the official property of Southern Illinois University Carbondale and will not be returned nor issued to another institution. Transcripts must be issued by the previously attended institution within the last thirty days. Transcripts are required from the following institutions:

1. An institution which is accredited or in candidacy status by one of the regional accrediting associations; or,
2. An institution which is not accredited by or in candidacy status with one of the regional accrediting associations but the credit from the institution is accepted by the reporting institution in that state; or,
3. An institution which is not accredited by or in candidacy status with one of the regional accrediting associations but is

one recognized by ACCSCT, ACICS, N.A.I.T., AMA, ABET, or similar accrediting bodies recognized by the Council of Higher Education Accreditation or the United States Office of Education. The student must have completed a two-year non-baccalaureate degree or equivalent terminal program with a C average before admission to SIU Carbondale will be granted. Students admitted from such institutions should not expect to receive credit at Southern Illinois University except in programs which accept occupational credit.

Requirements for Admission of Transfer Students

1. Graduation from a recognized high school or satisfactory completion of the General Educational Development Test; and,
2. An overall C average (2.0 on a 4.0 scale) from all postsecondary institutions. All transfer work is calculated according to Southern Illinois University Carbondale regulations rather than those of institutions students have previously attended; or,

3. Completion of an associate degree in a baccalaureate-oriented program (A.A. or A.S.) from an accredited Illinois public two-year institution; completion of an A.A. from an accredited Missouri public two-year institution; or completion of an A.A. or A.S. from a Kentucky Community and Technical College System institution. The student will: **(a)** be admitted to the University with junior standing and, **(b)** be considered to have completed the University Core Curriculum requirements required for general graduation purposes; and,

4. Eligible to continue your enrollment at the last post-secondary institution attended. Students who have been placed on scholastic probation or academic suspension from another college or university will be considered for admission by Undergraduate Admissions only if there is tangible evidence that additional education can be completed successfully. Tangible evidence might include: (1) an interruption of schooling for one or more years, (2) military experience, (3) work experience, and (4) previous academic performance.

The Office of Student Rights and Responsibilities must clear students suspended for any reason other than academic failure, before the Director of Admissions will grant admission. If you are seeking admission with fewer than twenty-six semester hours, you will be required to meet the admission requirements of a beginning freshman as well as a transfer student.

Transfer students who have completed a minimum of one year of work can be considered for admission in advance of their matriculation. If you are enrolled in a collegiate program for the first time and wish to transfer upon completion of your first term or first year, you may do so if you meet the University's admission requirements for beginning freshmen. Admission granted to a student on partial or incomplete records is granted with the condition that the student will have an overall C average and be eligible to continue at the last school attended at the time of matriculation. Students whose final transcripts indicate a grade point average or scholastic standing less than that required for unconditional admission may have their admission and registration withdrawn or their scholastic standing changed. Transfer students admitted on the basis of incomplete transcripts must submit complete transcripts prior to being allowed to register for a second term at SIUC.

Transfer students will be admitted directly to the academic unit in which their major field of study is offered if they qualify for that program. Students who are undecided about their major field of study will be admitted to Pre-Major Advisement or to selected other units with an undecided major.

Transfer Credit

Transfer credit for students admitted to the University is evaluated for acceptance toward University Core Curriculum requirements by Transfer Student Services (a division of enrollment Management). Credit from a regionally accredited institution, and those in candidacy status, or from an institution that has its credit accepted by the reporting institution in the state is evaluated at the time of admission. Courses, which are remedial, developmental or pre-college, will not be accepted for transfer. Transfer Student Services will determine the acceptance of credit and its applicability toward University Core Curriculum requirements. All credit accepted for transfer, which is not applied to University Core Curriculum requirements or to a specific degree program, will be considered general transfer credit (elective credit). Transfer courses to be considered toward specific program requirements will be authorized by the department directing the program. Information on articulation of individual schools is available at: <http://transfer.siu.edu>.

Credit for Military Experience. Students who have served one or more years of active duty and received an honorable or general discharge may receive two hours of military studies credit, two

hours of physical education credit, and two hours of health education credit which satisfies the UCC Human Health requirement. Service of only six months to one year may result in two hours of freshman aerospace studies or army military science credit. Completion of basic training will result in an award of two hours of physical education credit. To receive credit, students must submit a copy of the DD 214 (copy 4) document.

Credit will be accepted for DANTES subject standardized courses within the limits enforced for proficiency credit. No credit is allowed for college-level GED tests. In evaluating credit possibilities based on formal service-school training programs, the recommendations of the American Council on Education, as set forth in the US Government bulletin *Guide to the Evaluation of Educational Experiences* in the Armed Forces are followed. To receive credit for military service, veterans must present a copy of discharge separation papers, an AARTS transcript, a SMART transcript or transcript from the Community College of the Air Force to Transfer Student Services, Mailcode 4725, SIU Carbondale, Carbondale IL 62901. Find more information at: <http://transfer.siu.edu>.

Submission of Transcripts. Transfer students who have taken college-level work at other institutions must have an official transcript of all work, from each college or university attended, forwarded to the Transfer Student Services Office. All transcripts must be issued by the sending institution within the last thirty days. Failure to comply with this ruling, failure to indicate all institutions attended on the undergraduate admission application, or incorrect information regarding the status at other institutions can result in withdrawal of admission, dismissal, or denial of credit. Transfer students admitted on the basis of incomplete transcripts must submit complete transcripts prior to being allowed to register for a second term at SIU Carbondale.

Completion of an associate degree in a baccalaureate-oriented program (A.A. or A.S.) from an accredited Illinois public two-year institution; completion of an A.A. from an accredited Missouri public two-year institution; or completion of an A.A. or A.S. from a Kentucky Community and Technical College System institution. The student will: **(a)** be admitted to the University with junior standing and, **(b)** be considered to have completed the University Core Curriculum requirements required for general graduation purposes. These benefits do not automatically apply to other associate degrees (e.g., A.A.S., A.E.S., A.G.S., A.F.A.).

Associate degrees earned at other than Illinois two-year institutions will be reviewed by the Transfer Student Services Office. If the degree is determined to be baccalaureate-oriented and to have comparable content and credit hour criteria, the same benefits will be extended to those graduates. Transfer students may also satisfy the requirements of the University Core Curriculum by successful completion of the Illinois Transferable General Education Curriculum. Credit from an accredited two year institution is limited only by the provision that students must earn at least 60 semester hours of work at Southern Illinois University Carbondale or at any other approved four-year institution and must complete the residence requirements for a degree from the University.

Further information on the application of transfer work toward satisfying University Core Curriculum requirements may be found in the *University Core Curriculum* section.

ADMISSION OF SPECIAL CATEGORIES OF STUDENTS

Several types of students are given special consideration when seeking admission to the University.

Admission of International Students

In general, International Students must meet the same academic standards for admission as those required of domestic students. As there is considerable variation between educational systems

throughout the world, precise comparative standards are not always available. Therefore, International Students are considered for admission on the basis of their former academic work, English proficiency, and evidence of adequate financial resources.

Educational Records. You must submit official transcripts, certificates, or mark sheets from all secondary schools, colleges and universities you have attended. Also, submit the official results of any national secondary school examinations you are required to take. If you completed high school in the U.S.A. or in an American high school system, submit scores from the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Other applicants may submit SAT scores for admission consideration, but they are not required to do so. The access codes for the West African School Certificate should be submitted with the application. This will allow us to process your application quickly. The submission of unofficial records (those that do not bear the original signature of the institution's representative), will delay the processing of your admission. The Registrar, Headmaster, or Dean of the institution issuing the documents must sign all credentials. Photocopies are acceptable only if they bear the institution's original seal and the original signature of the school official certifying the documents. Transcripts and other records attested as certified by a notary public or solicitor (noninstitutional official) are not being accepted as official.

2012-2013 Financial Requirements. Beginning Fall 2012 semester, international students must have assured financial resources of approximately \$34,000 (U.S. dollars) for the 2011-2012 academic year of study at SIUC. PLEASE NOTE: Tuition charges have not yet been determined for 2012-2013. *The cost of attendance at SIUC is subject to change without notice.* Please refer to the International Admissions Application for details.

English Competency. You must also demonstrate English competency before you can enroll in SIUC university courses. TOEFL scores are required of all International Students and those who have acquired immigrant status. Either of the following options will qualify you for exemption from our Center for English as a second Language TOEFL examination:

TOEFL	IELTS	US Schooling
520-Paper based	6	2 yrs high school
190-Computer based		56 college hours
68-Internet based		2 English composition classes taken in the US with a grade of A or B

An administrative service fee of \$100 per student per semester, including summer session, will be charged to sponsoring agencies which enroll international students.

International students interested in making application to Southern Illinois University Carbondale should address their inquiries to International Programs and Services, Mailcode 4333. Southern Illinois University Carbondale, Carbondale, Illinois 62901. The undergraduate international admission application can be submitted electronically by linking to <[http:// www.siu.edu/~ips](http://www.siu.edu/~ips)>.

Southern Illinois University Carbondale is authorized under Federal law to enroll non-immigrant alien students.

Admission of Former Students

If you have attended other institutions since your previous enrollment at Southern Illinois University Carbondale you must submit an official transcript from each institution before you can be considered for readmission. An overall C average (2.0 on 4.0 scale) as calculated according to SIUC grading policies and procedures and based on all post-secondary institutions attended since previous SIUC enrollment is required for readmission

consideration. Students who were suspended for scholastic or disciplinary reasons during their previous enrollment at the University must be approved for readmission by the appropriate academic dean or the Office of Student Rights and Responsibilities before they can be readmitted to the University. Students with less than a C average must be approved for readmission by an academic dean if they are entering an academic unit other than the one in which they were previously enrolled.

It is advisable for former students to initiate the readmission process with the Office of Undergraduate Admissions early. This permits students to complete any special requirements that may be imposed upon them. (See Scholastic Probation, Second Chance and Scholastic Suspension elsewhere in this catalog for further information.)

Academic Renewal Program for Former Students

The Academic Renewal Program is designed to allow some former Southern Illinois University Carbondale students, who had academic difficulty in their initial enrollment, an opportunity to get off Probation faster and to graduate in a timely manner. The program permits eligible students to establish a new grade point average calculated from their first semester of readmission.

Program Eligibility Requirements

The Academic Renewal Program application should accompany the undergraduate admission application submitted for readmission purposes. An Academic Renewal application will not be considered if submitted after completion of the first term of attendance as a re-entry student. Former SIU Carbondale students who meet one of the following qualifications may apply for entrance to the Academic Renewal Program:

1. Adult re-entering students who previously earned, at SIU Carbondale, less than a 2.0 grade point average and have since had at least three calendar years interruption following their last enrolled term at SIU Carbondale. Applicants who have attended any post-secondary institution, college, or university within the immediate three years prior to re-entering SIU Carbondale in the Academic Renewal Program, must have earned a 2.0 cumulative GPA.
2. Veterans who have completed at least one year of active military service after having previously earned, at SIU Carbondale, less than a 2.0 GPA. SIU Carbondale must be the first institution attended since discharge or separation.
3. Community college associate degree graduates who have previously earned, from SIU Carbondale, a grade point average below 2.0 prior to completing an associate degree from a regionally accredited institution. SIU must be the first institution attended since earning the associate degree.

Application/Admission Guidelines and Academic Regulations

1. A former Southern Illinois University Carbondale student must meet the University readmission requirements at the time of readmission before applying for the Academic Renewal Program.
2. The Academic Renewal Program application must be submitted before completing the first semester of attendance after being readmitted to the University. The application should be submitted soon after the readmission decision is granted.
3. A student can be admitted to Academic Renewal only once. Students who are suspended for scholastic reasons while enrolled in Academic Renewal cannot be readmitted to this program.
4. Teacher Education Programs in the College of Education and

Human Services as well as those majors in other colleges in which a student intends to pursue a Teacher Education Program are not available to students in the Academic Renewal Program.

5. Students readmitted through the Academic Renewal Program will have "Academic Renewal" indicated on their transcripts with an appropriate explanation of the program included in the transcript explanation sheet, which is attached to all transcripts.
6. A new SIU Carbondale grade point average will be calculated from the first term of readmission through the Academic Renewal Program.
7. The new SIU Carbondale grade point average will apply only to scholastic retention and the grade point average required for graduation from the University. All grades earned at Southern Illinois University Carbondale, including all work taken prior to admittance to the Academic Renewal Program, will be used in the calculation of student classification, major program grade point average, collegiate unit requirements, graduation honors, and total semester hours completed.
8. Previously earned work at SIU Carbondale will remain on the student's official record and passing work may be used to satisfy degree requirements.
9. Students readmitted through the Academic Renewal Program may not use the University's forgiveness policy to calculate another GPA for graduation purposes.
10. To be eligible for graduation, a student readmitted through the Academic Renewal Program must earn at least 30 additional semester hours at Southern Illinois University Carbondale.
11. An Academic Renewal student who changes majors to a program, that does not participate in Academic Renewal, (see number 4 above) will have their previous SIU grade point average calculated in all future grade point averages.

Admission of Veterans

Veterans seeking admission to the University are admitted in good standing regardless of their previous academic record provided that any additional post-secondary education attempted after active duty has been completed with a grade average of *C* (2.0 equals *C*) quality or better.

Veterans are required to submit all required admission credentials before their applications can be processed. This includes high school transcripts or GED scores, ACT or SAT results if under the age of 21, and official transcripts from each college or university previously attended. Official transcripts from the previously attended institutions must not be more than thirty days old. In order to be admitted under the veteran's policy, one must have served on active duty and present a copy of discharge or separation papers (DD 214-copy 4) to the Transfer Student Services Office. There is a \$40 nonrefundable fee, which must accompany the application.

Military personnel on active duty in any branch of the United States military are expected to meet the same admission requirements as a veteran. Students in military programs are admitted directly into the degree program in which they are enrolling.

Admission of Students as Unclassified

Individuals who wish to take classes at SIUC but who do not intend to earn a degree at this time can be considered for admission as an unclassified student. To be eligible, the student must have graduated from an accredited high school or have passed a high school equivalency test (GED). Students in this category are non-degree-seeking and are not required to submit records normally required for admission to a degree program. Students in this category may take up to a total of twenty-six semester hours before they are required to provide all of their academic records. Students in this category are not ordinarily eligible for any financial aid program. There is a \$40 nonrefundable fee that must accompany the application. This fee is not required of students enrolling solely in courses specifically designated as Distance Education.

Senior Citizen Courses Act

Students admitted under the Senior Citizen Courses Act may be considered for admission as unclassified non-degree students without submitting records required for admission to a degree program. Those seeking admission to a degree program must meet all University admission policies. For further information refer to Financial Aid.

Admission of High School Students for Concurrent Enrollment

Exceptionally capable high school students that have completed their freshman year in high school and are recommended in writing by their high school principal may be approved for admission by the director of Undergraduate Admissions. Enrollment in some University courses may be subject to departmental approval. Students approved for admission to this program will be permitted to enroll in University courses during the summer and concurrently with their high school work during the regular school year. Sophomores and juniors may register for one course and seniors may enroll for one and possibly two courses depending on their high school schedules. There is a \$40 nonrefundable fee, which must accompany the application. The concurrent enrollment program is an acceleration and enrichment experience for academically capable students. To participate in the program, students must have achieved an overall *B* average (3.0 on a 4.0 scale) in high school.

The University courses to be taken in this program should be in subject areas in which a high school does not offer courses or in subject areas in which the student has completed all of the courses the high school can offer. When a high school principal recommends a specific course or courses to be taken, an academic advisor will assist the student in arranging such a schedule.

It is assumed that high school principals who recommend students for this program will consider a student's aptitude for completing college work and a student's ability to adjust socially to the campus community.

Admission of Transient Students

Students who are attending another collegiate institution and want to enroll for one semester must submit an undergraduate admission application. They must also submit documentation indicating they have an overall *C* average and are eligible to continue their enrollment at the last institution attended. This can be a student's most recent transcript or grade report. Transient students who request to continue their enrollment for subsequent semesters must submit all documents required for admission and meet the University's current admission policies. There is a \$40 nonrefundable fee, which must accompany the application.

Opportunities for the Transfer Student

Southern Illinois University Carbondale is an excellent place for transfer students ready to move ahead with their educational plans. Thousands of transfer students choose SIU Carbondale every year. The way a college accepts and evaluates transfer credit is often uppermost in the mind of the transfer student. SIU Carbondale goes to great lengths to make the transfer process smooth and straightforward.

UNIVERSITY CORE CURRICULUM AND TRANSFER STUDENTS

There are four different ways to complete Core Curriculum requirements:

1. Completion of an Associate in Arts or an Associate in Science degree at a public Illinois community college (see Compact Agreement below);
2. Students completing the “42 Hour Block” or an AA degree in a baccalaureate-oriented program in an accredited Missouri two-year institution that participates in the 42 Hour Block program will be considered to have completed the University Core Curriculum.
3. Completion of the Illinois Transferable General Education Core Curriculum as certified by a participating Illinois Articulation Initiative institution;
4. Completion of SIU's Core Curriculum requirements; or
5. Admission to and completion of SIU's Capstone Option for students with an AAS.

THE COMPACT AGREEMENT

SIU has recognized the Illinois regionally accredited community college transferable baccalaureate oriented Associate of Arts or Associate of Science degrees under the Compact Agreement since 1970. SIU will continue to recognize the baccalaureate oriented associate degree (A.A. or A.S. degree) under the Illinois Articulation Initiative. The Associate in Engineering Science (A.E.S.), the Associate in General Studies (A.G.S.), and the Associate in Fine Arts (A.F.A.) do not carry the same benefits as the A.A. and A.S. as described below.

Illinois public community college graduates who hold an A.A. or an A.S. will be:

1. Admitted to SIU if enrollment occurs after earning the associate degree and prior to coursework attempted at another institution;
2. Considered a junior in class standing; and
3. Evaluated as having completed the SIU University Core Curriculum (general education) requirements required for general graduation purposes. Major courses that are also Core Curriculum courses may not automatically be completed by earning the A.A. or A.S. degree.

STUDENTS WITHOUT AN A.A. OR A.S. FROM AN ILLINOIS ACCREDITED COMMUNITY COLLEGE

Transfer students who have not earned a baccalaureate oriented Associate of Arts or Associate of Science degree from an accredited Illinois public community college prior to attending SIU, but who have been certified by a participating Illinois Articulation Initiative institution as having completed the Illinois Transferable General Education Core Curriculum (IAI GECC) will be considered as having fulfilled the SIU Core Curriculum requirements required for general graduation.

SIU will waive a fraction of a semester hour of an SIU Core

Curriculum course requirement for a satisfactorily completed and approved course from an accredited institution participating in the Illinois Articulation Initiative. Students must complete a minimum of 37 semester (56 quarter) hours to satisfy the SIU Core Curriculum requirements.

Transfer students with an AA or AS from a regionally accredited out-of-state institution or an Illinois institution that does not participate in IAI, who present 37 or more semester hours of general education credit prior to initial enrollment will be evaluated to determine completion of the SIU Core Curriculum model. If the student has completed the SIU model, the student will be considered as having fulfilled the SIU Core Curriculum requirements.

Transfer students who have earned the Associate in Applied Science (AAS) degree may qualify to complete their University Core Curriculum requirements under the Capstone Option. Information about the Capstone Option and the participating majors is explained in a previous section of this chapter.

Evaluation of courses taken at regionally accredited colleges and universities will be completed by Transfer Student Services at the time of the student's admission to the University. Any Illinois Transferable General Education Core (IAI) course that is articulated to a SIU Core Curriculum course will be utilized toward completion of the SIU Core Curriculum. Transcripts submitted for evaluation must not have an issuing date of more than thirty days old.

The Illinois Articulation Initiative Transferable General Education Core (IAI) is in effect for students who began an associate or baccalaureate degree as first-time freshmen Summer 1998 or thereafter. Students transferring from SIU to another institution may request that SIU audit their record for completion of the Illinois Transferable General Education Core. If this is complete, the student will receive certification of that completion on the transcript. The student must have 37 or more semester hours of general education credits prior to this request. IAI general education core courses are listed in Chapter 3 under the Illinois Articulation Initiative section.

SIU reentry students who have not earned an Illinois baccalaureate oriented AA or AS degree, or students concurrently enrolled at another institution while attending SIU, must complete the SIU Core Curriculum or the IAI General Education Core Curriculum requirements. A student must have a minimum of 30 semester hours of transfer credit toward the satisfaction of general education requirements prior to enrollment at SIU in order to be eligible to complete the IAI GECC in lieu of the SIU UCC requirement subsequent to admission to the University. Concurrently enrolled students should seek advice from Transfer Student Services on acceptable course equivalents to the SIU Core Curriculum or visit the web site: transfer.siu.edu.

THE ILLINOIS ARTICULATION INITIATIVE (IAI)

SIU is a participant in the Illinois Articulation Initiative (IAI), a statewide agreement that allows transfer of the completed Transferable General Education Core Curriculum between participating institutions. Completion of the General Education Core Curriculum at any participating college or university in Illinois assures transferring students that general education requirements for the bachelor's degree have been satisfied. This agreement is in effect for students entering an associate or baccalaureate degree-granting institution as a first-time freshman in summer 1998 (and thereafter).

Students who have completed the Illinois Transferable General Education Core and have been certified as complete by the sending institution will have completed the University Core Curriculum requirements for general graduation purposes at Southern Illinois University Carbondale.

Dual Admission Program

The Dual Admission Program allows baccalaureate-oriented students at eligible community colleges to benefit from pre-advisement for a chosen major at Southern Illinois University Carbondale. The Dual Admission Program addresses specific departmental requirements that a student may not automatically fulfill by completing their associate degree at their community college. Students who apply for the Dual Admission Program are provided with a transfer plan that will guide them to the most direct route to their bachelor's degree, along with personalized contact with an SIU representative. The transfer plan includes major, College, and University Core Curriculum requirements. Dual Admission Program students receive access to enroll in an online Dual Admission Program course which connects students early to the University, its resources, and other transfer students. Students apply to the Dual Admission Program by filling out the Application for Undergraduate Admission and Scholarships and indicating interest in the Dual Admission Program. Students must have at least two semesters remaining at their community college to participate, must select a participating SIU major, and must attend an eligible community college. Information on participating degree programs and community colleges are located online at admissions.siu.edu/dap.

For more information call or email Amanda Sutton, Coordinator of the Program, at: (618) 453-7143 or asutton@siu.edu.

THE CAPSTONE OPTION

The Capstone Option is for the student who has earned or will soon earn an Associate in Applied Science (AAS) degree or equivalent certification and whose SIU major is one that participates in the option. The Capstone Option advantage allows students to complete an abbreviated University Core Curriculum (UCC) requirement of 30 hours rather than 41 hours.

Key features of the Capstone Option are: (1) gives occupational students who have changed their educational and occupational goals an opportunity to pursue a four-year degree; (2) is an alternative option to obtaining the four-year degree typically involving no more than two additional years of college; (3) seeks to recognize similar objectives in both two-year occupational programs and four-year baccalaureate degree programs; and (4) seeks to recognize similar objectives in certain work experiences and in four-year baccalaureate degree programs.

The baccalaureate degrees in the following academic colleges participate in the Capstone Option at Southern Illinois University:

<i>College of Agricultural Sciences</i>	618 453-2469
Agribusiness Economics	
Agricultural Systems and Education	
Animal Science	
Crop, Soil and Environmental Management	
Horticulture	
Hospitality and Tourism Administration	
<i>College of Applied Sciences and Arts</i>	
Automotive Technology.....	618 453-4024
Aviation Management	618 453-8898
Aviation Technologies.....	618 536-3371
Dental Hygiene.....	618 453-7287
Electronic Systems Technologies.....	618 453-7200
Health Care Management.....	618 453-7172
Information Systems Technologies.....	618 453-7200

Mortuary Science and Funeral Service.....	618 453-7287
Radiologic Sciences.....	618 453-7287
Technical Resource Management	618 453-7281
Off-Campus Programs.....	618 453-8897
Automotive Technology	
Aviation Management	
Electronic Systems Technologies	
Fire Service Management	
Health Care Management	
Information Systems Technologies	
Technical Resource Management	

<i>College of Business</i>	618 536-4431
Accounting	
Business and Administration	
Business Economics	
Finance	
Management	
Marketing	
<i>College of Education and Human Services</i>	618 453-6340
Rehabilitation Services	
Workforce Education and Development	
<i>College of Engineering</i>	618 453-3396
Engineering Technology	
Industrial Technology	
<i>College of Liberal Arts</i>	
Paralegal Studies.....	618 453-1234

Completing a Bachelor of Science Degree Through Capstone

A student completing the degree through the Capstone Option must complete the University's hour requirement, residence requirement, and average requirement for the bachelor's degrees. Capstone students satisfy the following minimum University Core Curriculum (UCC) requirements through appropriate transfer credit or coursework at SIU Carbondale. See below:

<i>University Core Curriculum Requirements for Capstone</i>	
English Composition	3
English 101, 102, or 120H with a grade of C or better.	
Speech Communication 101	3
Mathematics	3
Mathematics course numbered 101 or above, with the exception of 107, 114, 120 and 300I.	
Science	6
Select one physical and one biological with lab.*	
Social Science	6
Select two courses from different disciplines on approved list.*	
Humanities	3
Select one course from the approved list.*	
Fine Arts	3
Select one course from the approved list.*	
Multicultural: Diversity in the U.S.	3
Select one course from the approved list.*	
<i>Minimum Total</i>	30

*For explanation of groups or list of approved courses see University Core Curriculum requirements.

A minimum of 120 semester hours, including work earned at SIU Carbondale and elsewhere, is required for a Bachelor of Science degree. Students must also meet University requirements for resident credit, credit hours, and minimum grade point average, and must complete all program requirements as specified by the degree-granting unit. Beginning Summer 2013, a minimum of 42 hours of 300-400 level work must be completed at a four-year

institution as part of the 120 semester hours needed for the bachelor's degree.

In addition to the University Core Curriculum requirements, the student must complete the requirements specified in a contract or academic plan to be developed between the student and the academic unit or department representative. The contract must list the program requirements as well as all University Core Curriculum requirements to be completed.

Eligibility for the Capstone Option Requires the Student to:

1. Have entered a bachelor's degree program at SIU which participates in the Capstone Option.
2. The student must not have earned more than 12 semester hours of major coursework toward the bachelor's degree program prior to approval for Capstone.
3. A student who changes their major will require recertification for Capstone for the new program by no later than the end of the first semester in the new program and have earned no more than 12 semester hours toward the new bachelor's degree program. Recertification occurs when the student requests a unit major change with Capstone Option indicated from the new degree program to be processed through the Registrar's Office.
4. Have earned an associate degree, or equivalent certification, in a non-baccalaureate-oriented program of at least 60 semester hours by no later than the end of the first semester in the bachelor's degree program at SIU. Equivalent certification, for the purposes of Capstone eligibility, is defined as the formal completion of a technically-oriented program of two years duration (60 semester hours), resulting in the receipt of the equivalent of an associate degree (certificate, diploma, or other documentation as provided by the student's educational institution).
5. Have submitted all transfer work including the associate degree by no later than the end of the first semester at SIU. This documentation includes all official transcripts from other institutions and may include test reports, evaluation of military experience, work experience, or whatever other kind of training has been used to award the associate degree. Official transcripts from other institutions must not be more than 30 days old when received by SIU.
6. Have earned a minimum grade point average of 2.0 (4.0 scale) as calculated by SIU grading regulations. An applicant determined ineligible for Capstone as a result of a low grade point average may not be considered again after raising the average in subsequent work (credit beyond the associate degree).

The official recognition of Capstone benefits will be determined after application to SIU has been made. Additional information about the Capstone Option is available from Transfer Student Services or online at transfer.siu.edu.

The Capstone Option will automatically be considered as a part of the Undergraduate Admission application process for those applicants who indicate they are transferring an AAS degree or the equivalent certificate. Students are recommended to consult with their academic advisor for more information about their eligibility to the Capstone Option.

Transfer Credit

Transfer credit for students admitted to the University is evaluated for acceptance toward University Core Curriculum requirements by Transfer Student Services (a division of Enrollment Management). Credit from a regionally accredited institution,

and those in candidacy status, or from an institution that has its credit accepted by the reporting institution in the state is evaluated at the time of admission. Courses, which are remedial, developmental or pre-college, will not be accepted for transfer. Transfer Student Services will determine the acceptance of credit and its applicability toward University Core Curriculum requirements. All credit accepted for transfer, which is not applied to University Core Curriculum requirements or to a specific degree program, will be considered general transfer credit (elective credit). Transfer courses to be considered toward specific program requirements will be authorized by the department directing the program. Information on articulation of individual schools is available online at transfer.siu.edu.

Class Standing

The University requires students to earn at least 120 semester hours of acceptable credit in order to receive a baccalaureate degree. For academic classification purposes a freshman is a student who has completed fewer than 26 hours; a sophomore, from 26 through 55; a junior, from 56 through 85; and a senior 86 or more.

Admission of Transfer Students

Transfer students are encouraged to apply 1 year in advance of the semester in which they intend to enroll at SIU Carbondale to ensure their choice of program. The amount of credit accumulated by the student determines which documents are required for admission.

Students with at least 26 semester hours, or 39 quarter hours, must submit a current (no more than 30 days old) official transcript from each college attended.

Students with fewer than 26 semester hours must submit a current (not more than thirty days old) official transcript from each college attended, their official high school transcript (showing class rank and class size), and ACT or SAT scores.

To avoid delays in being admitted, remember the following:

- Official copies of transcripts are required from each college attended.
- Students must request transcripts. Federal law does not allow SIU Carbondale to make this request.
- Students may be admitted as much as a year in advance on a partial transcript, if eligible at the time, and then maintain eligibility through the subsequent submission of a final transcript.

SIU Carbondale admits students on a rolling basis. Students with questions about their admission status may email or call:

Undergraduate Admissions
Southern Illinois University
Carbondale IL 62901 USA
Phone: (618) 536-4405
Email: admissions@siu.edu

See SalukiNet for information on accessing student information. Students may review their records electronically at salukinet.siu.edu.

Calculating a Transfer GPA

For admission purposes, SIU Carbondale recalculates transfer students' grade-point averages according to SIU Carbondale grading policies and procedures. Grades and credits for any developmental or remedial classes are ignored in calculating GPA. After admission, only course work completed at SIU Carbondale is used to calculate the student's SIU Carbondale grade-point average. Transfer course work is not considered when calculating students' SIU Carbondale cumulative average or SIU Carbondale average except for Honors Day awards and degree awards. However, some specific programs, such as teacher education, may calculate and maintain a complete overall grade point average (all grades earned at all institutions attended) for their own use.

After Admission

Most transfer students are admitted on partial or incomplete transcripts while they are still attending another college. After each additional term is completed at the transfer institution, students should send an updated transcript. SIU Carbondale then updates the student evaluation. Transfer students who have questions or need additional information about their Transfer Credit Evaluation may write or call:

Transfer Student Services
Mailcode 4725
Southern Illinois University
Carbondale IL 62901
Phone: (618) 453-2012

A copy of the initial Applicant Transfer Credit Evaluation is sent to the student's major department and a representative of the department determines the extent to which the student has fulfilled the requirements for that specific major on a weekly basis.

During the first academic advisement and registration session, an adviser explains how transferred credits apply to the major, which credits are considered elective or general-transfer credit, and what courses remain to be taken at SIU Carbondale. If needed, this information may be obtained before that time by contacting the chief academic adviser of the SIU Carbondale academic unit or department in which the student has been admitted. A listing of academic unit contacts is provided below.

Transfer Student Directory

General inquiries should be directed to Undergraduate Admissions.

Undergraduate Admissions.....(618) 536-4405

Katharine Suski, Director
Rachel Richey, Associate Director
Amanda Sutton, Assistant Director
Rey Diaz, Transfer Counselor
Pam Wilkins, Transfer Counselor
Anita Gentry, John A. Logan Service Center Coordinator
Sarita Robinson, Shawnee, Southeastern Illinois & West
Kentucky Service Center Coordinator
Tosha Baker, Illinois Eastern Service Center Coordinator
Yvonne Gramenz, Southwestern Illinois Service Center
Coordinator

Transfer Student Services..... (618) 453-2012

Tamara Workman, Director, Transfer Student Services
Lee Fronabarger, Course Articulation
Suzanne Goad, Capstone Coordinator
Mary "Sissy" Dowdy, Evaluation Coordinator

Financial Aid..... (618) 453-4334

Paula Clendenen

University Housing..... (618) 453-2301
housing.siu.edu

Academic Unit Contacts

College of Agricultural Sciences.....(618) 453-3080
Charlotte Sarao

College of Applied Sciences and Arts (618) 453-2052

College of Business (618) 536-4431
Tabitha Stone

College of Education and Human Services (618) 453-6340
Kim Little

School of Social Work..... (618) 453-1235
Mary Netmetsky

College of Engineering (618) 453-2261
Jenise Wilson

College of Liberal Arts (618) 453-3388
Martha Taricone

Art and Design..... (618) 453-4313
Valerie Brooks

Criminology and Criminal Justice..... (618) 453-5701

Michael S. Harbin

Music..... (618) 453-7316

Karen Clayton

Speech.....(618) 453-3388

Jay Lewis

Theater.....(618) 453-3388

Jay Lewis

All other College of Liberal Arts programs (618) 453-3388

College of Mass Communication and Media Arts

Cinema and Photography..... (618) 453-2365

Carol Westerman-Jones

Journalism.....(618) 453-4303

Jack Young

Radio, Television & Digital Media..... (618) 453-6902

Jean Kelley

College of Science (618) 536-5537

Jean McPherson

Exploratory Student Advisement..... (618) 453-4351

Veronica Williams

When writing, address correspondence to:

Contact person's name

Office name, Mailcode

Southern Illinois University

Carbondale IL 62901

Scholarships for Transfer Students

SIU Carbondale offers academic scholarships to recognize and reward high academic achievement of community college graduates.

Dean's Transfer Scholarship

If a student transfers with at least 30 transferable semester hours and has a cumulative GPA of 3.5 (4.0=A), he or she meets the minimum requirements to compete for the Dean's Transfer Scholarship.

Phi Theta Kappa Scholarship

Students who have been awarded the Dean's Transfer Scholarship, and have been members of Phi Theta Kappa for at least one academic year prior to enrollment at SIU Carbondale may compete for the Phi Theta Kappa Scholarship.

To be considered for an Academic Scholarship or a Phi Theta Kappa Scholarship students must be admitted to SIU Carbondale by February 1 of the year they are attending. To obtain information, students should contact:

Academic Scholarship Office

Financial Aid Office

Southern Illinois University

Carbondale IL 62901

Email: scholarships@siu.edu

Phone: (618) 453-4628

Home page: scholarships.siu.edu

ROTC Transfer Scholarships

Students interested in applying for an ROTC transfer scholarship should call the Air Force at (618) 453-2481 or the Army at (618) 453-5786.

Scholarships for Relatives of SIU Carbondale Alumni

The Roscoe Pulliam Scholarship Fund has three \$1,000 scholarships available for children, grandchildren, or siblings of members of the SIU Carbondale Alumni Association.

Students applying for the scholarship must be an admitted or enrolled undergraduate student who is registered for a minimum of twelve semester hours.

For more information, students should contact:

SIU Alumni Association
Southern Illinois University
Carbondale, IL 62901
Phone: (618) 453-2408

The Cost of a Bachelor's Degree

Do your students wonder if the financial aid they receive now will be enough to cover any additional costs of attending SIU Carbondale? Cost of attendance is one of the variables financial aid administrators consider when determining a student's need and eligibility.

To be considered for all financial aid programs, students should complete a Free Application for Federal Student Aid (FAFSA) through the Department of Education's site: www.fafsa.ed.gov.

Students who plan to enroll at SIU Carbondale for summer term must file a FAFSA and a separate form from SIU Carbondale's Financial Aid Office.

Students who have questions may contact:

Financial Aid Office
Southern Illinois University
Carbondale IL 62901
Email: fao@siu.edu
Phone: (618) 453-4334
FAX: (618) 453-7305
Home page: fao.siu.edu

On-Line Information for Transfer Students

Find information about SIU Carbondale's transfer opportunities online by accessing the transfer student's home page: admissions.siu.edu/apply/transfer/index.html. Students will find details about application procedures, the Capstone Option, The Illinois Articulation Initiative (IAI), Dual Admission, SIU Carbondale's University Core Curriculum and acceptable course substitutions, and transfer credit equivalency listings for many U.S. and international schools.

Opportunities for International Students

Admission Policies and Procedures

International students interested in making application to SIU Carbondale may request applications by addressing inquiries to:

Center for International Education
Southern Illinois University Carbondale
860 Lincoln Drive
Carbondale, Illinois 62901-6831 U.S.A.
E-mail: intlinfo@siu.edu
Apply on-line at: www.ips.siu.edu/ps/howtoapply.html

Admission Requirements

International students must meet academic admission standards similar to those required of domestic students. As there is considerable variation between educational systems throughout the world, precise comparative standards are not always available. International students are considered for admission on the basis of their former academic work, English competency and evidence of adequate financial resources.

Required Materials and Procedures

To apply for undergraduate admission to SIU Carbondale, submit the following:

1. Application for admission
2. Official academic records
3. Official TOEFL or IELTS scores if available
4. Financial statement
5. Letter or statement from the bank of the student's sponsor
6. Application fee of \$30
7. Other pertinent information
8. Copy of passport and birth certificate

Admission Application

Applications for admission to the University are accepted any time during the calendar year, but should be submitted at least sixty days prior to the beginning of classes in order to permit the processing, notification through mail, and/or time to obtain your visa and passport.

Financial Statement

International students must have assured financial resources of not less than \$34,000.00 (U.S. dollars) for the 2013-2014 academic year of study at SIU Carbondale.

Estimated Expenses 2013-2014

Tuition	\$21,038.00
Fees	\$ 3,678.00
<u>Living Expenses</u>	<u>\$10,000.00</u>

Total SIU \$34,716.00

The Southern Illinois Board of Trustee may change tuition, fees, and housing rates without notice.

Students applying for admission to SIU Carbondale must pay a \$30 nonrefundable application fee. The fee can be paid via credit card, check, draft or money order payable to Southern Illinois University Carbondale.

Bank Statement from Sponsor

Students must include a bank statement and letter from their sponsor, with the financial statement attached, and return it to the Office of International Admissions. (The bank statement is a letter from a representative of the bank where the student, student's parent(s), or the student's sponsor maintains an account.)

Educational Records

All applicants must submit their secondary school certificates or mark sheet, and all college/university transcripts. These educational documents must bear the original seal and signature of the Headmaster, Registrar, Ministry of Education, or officially designated Ministry. Also, submit the official results of any national examinations, if these are given in your country. If you completed high school in the U.S.A. or in an American high school system, submit scores from the American College Test (ACT) or the Scholastic Aptitude Test (SAT). Other students may submit SAT scores for admission consideration, but they are not required to do so.

If you submit unofficial records (those that do not bear the original signature of institution's representative) you will delay admission consideration because these documents cannot be used. You must submit credentials that bear the official seal and have been signed by the registrar, headmaster, or dean of the institution issuing the documents. Photocopies will be accepted if they bear the institution's original seal and the original signature of the school official certifying the documents. Original certificates and/or transcripts can be returned to you unless the institution submitting the documents indicates that they are not to be given to you. Please also submit an official English translation if the original is not in English.

It is necessary to verify the results of the West African School Certificates. All applicants submitting this certificate must submit the following information:

Examination Number and Year, Type of Examination, Card Serial Number and Pin Number.

Failure to provide this information will delay the processing of your application.

All work completed at institutions outside the United States will be evaluated, course by course. Courses must be equivalent in content to courses at SIU Carbondale before credit can be granted. Students transferring work from universities outside the USA are advised to submit official and detailed syllabi to the Office of International Admissions for an advanced evaluation.

English Competency-Official TOEFL

Students must also demonstrate English proficiency before they can enroll in SIU Carbondale courses. If you meet all other admissions requirements, and your score from the Test of English as a Foreign Language (TOEFL) is 520 or higher on the paper-based test, 190 or higher on the computer-based test, or 68 or higher on the internet-based test, you will be granted unconditional admission to SIU Carbondale and can begin your academic work. Applicants whose TOEFL score is less than 520 (paper), 190 (computer), or 68 (iBT) or 6.0 IELTS must have a certification from SIU Carbondale's Center for English as a Second Language (CESL). All new students who have not met the English competency requirement prior to arrival at SIU Carbondale will be tested by CESL. The CESL Faculty will determine the proper placement in either Intensive English Training courses, SIU Carbondale courses, or a combination of the two in accordance with the student's examination results. Enrollment at CESL is at the students own expense.

Students who do not meet the TOEFL requirement must enroll at their own expense in the intensive English program conducted by SIU Carbondale's CESL and remain in CESL until their English proficiency improves to the level required for University enrollment.

Students who have acquired immigrant status are also required to demonstrate English competency. English competency can be demonstrated by successful completion of the TOEFL examination. Immigrants who have completed:

- at least two years of study in a United States high school;
- have earned 56 semester hours in a United States college or university; or
- have completed their secondary education in a country in which English is the first or second official language are not required to submit TOEFL scores or write a special English examination. They may, however, be required to submit university entrance examination scores (ACT or SAT) if they are seeking admission as a beginning freshman or a transfer student with fewer than twenty-six semester hours.

The university code number for submitting official TOEFL scores to SIU Carbondale is 1726. Information about the TOEFL may be obtained by writing to or calling:

Test of English as a Second Language
ETS, Box 899
Princeton, New Jersey, USA 08540
Phone: 609 921-9000
Website: <<http://www.toefl.org>>

How to Simplify the Admission Process

To ensure that your records are processed as quickly as possible please abide by the following suggestions:

Name

1. Applicants name should be recorded exactly as it is on their passport.
2. This name should be used at all times and on all documents and correspondence with the University.
3. Enter the family name (surname) where required on the application for admission and the financial statement.

Addresses

1. All addresses must be true, correct, and conform to United States Postal Service Standards, for prompt and proper delivery of your Letter of Admission and I-20 Supporting Documentation.

Supporting Documentation

1. Applicants must list all educational institutions attended.
2. The Applicant shall sign (personally or electronically) the application.
3. Academic records and the bank statement should be sent when the application is submitted. This will expedite the admission process.
4. Submit the application for admission at least 60 days before the desired term of enrollment.

CENTER FOR ENGLISH AS A SECOND LANGUAGE

The Center for English as a Second Language (CESL) is a unit housed within the Department of Linguistics at Southern Illinois University Carbondale (SIU Carbondale) and is staffed by University faculty who specialize in ESL teaching. The intensive English language program at CESL is open to individuals who want to improve his or her English language skills and are willing to apply themselves to a comprehensive language-learning program.

Admission to CESL

As a part of Southern Illinois University Carbondale, CESL is authorized under federal law to enroll non-immigrant alien students. Admission to the program is open to those who have attained the age of eighteen or completed secondary schooling, and have adequate resources to cover expenses (CESL tuition and fees and living expenses) for the entire period of study at CESL.

Applicants are required to complete the Application for Admission to CESL and submit an official transcript of their secondary school and/or college grades. The financial statement section on the application form must be completed and signed by the person responsible for the student's expenses. The completed form should be sent with \$50 (check, draft, or money order made

payable to Southern Illinois University Carbondale) to Director, CESL, 1000 Faner Drive, Southern Illinois University, Carbondale, IL 62901-4518 USA.

Application forms can be obtained on-line by accessing <http://www.cesl.siu.edu>. For more information, contact CESL directly by phone at 618-453-2265 or by email at cesl@siu.edu.

CESL English Program

Terms

CESL offers six terms per year: two 8-week terms each semester during the academic year (mid-August to mid-May) and two 6-week terms in the summer. These terms begin in January, March, May, July, August, and October.

Levels/Courses

CESL offers 20-25 hours of instruction each week for seven levels of proficiency from beginning to advanced. Undergraduate students may be placed in levels 1-6. We offer a 7th level, Graduate Student English, for students whose TOEFL scores are too low for full admission to graduate school. A curriculum that integrates language skills includes instruction in grammar, reading and vocabulary development, listening and speaking, and writing. Other courses offered include Business English, News Talk, Novel/Film, American Culture, Advanced Communication, Advanced Pronunciation, Culture through Media, Culture through Music, and others. The CESL curriculum includes preparation for academic studies at the university. Students in the CESL program learn strategies for listening to lectures, notetaking, reading academic texts, how to give presentations and other skills. Through coursework in CESL, students acquire academic vocabulary that is needed for study at the university.

TOEFL Preparation

CESL offers TOEFL preparation courses each term for students in levels 4-7 who wish to improve their test-taking skills.

Observing SIU Carbondale Classes

Students in levels 4-7 may request the opportunity to observe an SIU Carbondale class for an hour or more. The CESL Student Advisor will work with the student and obtain permission from the SIU Carbondale faculty for the hour observation.

Computer-Assisted Language/Language Media Center

Computer-assisted instruction is available to students in the language Media Center for students to improve their language skills. The Center is open Monday-Friday.

Academic Counseling

CESL has an International Student Advisor who assists CESL students with the application process for admission to SIU Carbondale undergraduate and graduate programs. The Advisor works with International Admissions and the Graduate School as well as with departments to provide accurate information about degree programs.

Placement and Testing

Initial course placement into CESL levels is determined by the student's performance on the Institutional TOEFL test, which is administered at the beginning of each term. Follow-up diagnostic testing during the first day or two of classes confirms placement. A combination of class grades, teacher recommendations and an end-of-term institutional TOEFL score determine a student's movement through the curriculum.

Transcripts/Certificates

A Certificate of Attendance is awarded to students who complete a course of study. Students also receive final grade reports at the end of each term and a transcript of courses taken in the program. A Certificate of Completion will be presented if a student successfully completes the CESL level appropriate for their academic level of study (undergraduate=level 6, graduate=level 7). This certificate is available ONLY to those students who take, and pass with a score of 80%, the entire level as defined by the CESL Student Handbook.

Intensive English Course Schedule

Summer Semester 2013 (6 weeks)

20 May - 28 June 2013

01 July - 09 Aug 2013

Fall Semester 2013

19 Aug - 11 Oct 2013

14 Oct - 13 Dec 2013

Spring Semester 2014

13 Jan - 07 Mar 2014

17 Mar - 09 May 2014

Summer Semester 2014 (6 weeks)

19 May - 27 June 2014

30 June - 08 Aug 2014

Fall Semester 2014

18 Aug - 10 Oct 2014

13 Oct - 12 Dec 2014

CESL Charges and Costs

CESL Charges	8-week	6-week
Application Charge (non-refundable)	\$50	\$50
Class Charge	\$2,044	\$1,700
Activities Charge	\$30	\$30

Other Costs to Student

Health Service (approximate) – SIU Carbondale Student Health Center provides primary care and major

Medical Insurance	\$300.00	300.00
TOEFL Test Fee (per test)	\$ 40.00	\$40.00
Recreation	\$ 72.00	\$72.00
Books (average)	\$ 100.00	\$100.00
Dorm&Food (approximate)	\$1000.00	\$940.00

Apartments: \$250 - \$500 per month

Incidental costs: Expenses for entertainment and incidentals amount to \$35 to \$50 per week for the average student.

- All CESL charges, dormitory fees, and other expenses are subject to change without notice.
- The 6-week summer-term classes meet one hour per day longer than classes during the 8-week term.
- SIU Carbondale Student Health Center provides primary care and major medical insurance.

Mailing Address

CESL

1000 Faner Drive

Southern Illinois University

Carbondale IL 62901-4518 USA

Phone: (618) 453-2265

E-mail: cesl@siu.edu Fax: (618) 453-6527

Home page: <http://www.cesl.siu.edu>

Financial Assistance

A limited number of competitive partial tuition-only scholarships are granted on a semester basis to international students. Several are restricted to students who have been enrolled at SIU Carbondale for a minimum of one year. Please review [financial assistance details](#).

On-campus student employment is available. If you work 15 hours a week throughout the fall, spring, and summer sessions you can anticipate earning slightly more than \$4000.

After you have completed one year of study you may request permission to obtain part-time employment off campus. For this, you will need special authorization from the U.S. Immigration and Naturalization Services as well as from SIU Carbondale's Office of International Students and Scholars.

Student Life

For sixty years, students and faculty from countries outside the U.S. have been coming to SIU Carbondale to study and teach. Last year SIU Carbondale benefited from the presence of over 1,700 international students and 150 international faculty, researchers, and scholars from more than 100 countries.

The informal and friendly atmosphere of Carbondale and the wide range of academic programs and student services at the University are some of the reasons international students like SIU Carbondale.

SIU Carbondale's newly renovated Morris Library is listed among the top 60 university libraries in the U.S., with over 2.4 million volumes, over 3.1 million units of microfilm, and about 12,500 current periodicals and serials.

Computer services and support are available on-line to the University academic, research, and administrative communities at all times. Computing devices are located in public areas on campus and in each residence hall. Students have access to three public computer learning centers with instructional laboratories.

Other on-campus services include a health clinic; single- and married-student housing; day care for children; a recreation center for exercise, sports, and games; theaters for movies, plays, concerts, and lectures; restaurants; a lake with a beach and boat dock; and much more.

The International Students and Scholars Office

SIU Carbondale International Students and Scholars (ISS), is an office that provides assistance and sponsors programs for international students and scholars—from pre-arrival to post-graduate concerns.

Services include: admissions; administration of U.S. Immigration and Naturalization Services regulations and procedures; a J-1 exchange visitor program; financial clearance for admission; liaison with foreign governments and sponsoring agencies; certification for foreign currency exchange; arrival and housing assistance, orientation programs, and international student advisement.

ISS also assists qualified international students with financial aid in the form of tuition scholarships, grants, and loans; information about external financial assistance; and student work permits.

International Student Organizations at SIU Carbondale

There are some 450 registered student organizations at SIU Carbondale—social, recreational, religious, political, and special interest. Integral to the educational experience of each student are student organizations related to the student's field of study. The activities of these groups, supported and encouraged by administration and faculty, supplement your formal education and provide opportunities for you to get acquainted with American students, their social customs and business practices.

For many international students, making the transition from another country can be one of the most difficult parts of completing an education in the United States. Becoming involved in a student group helps many with the transition. Identifying with others from the same or similar culture brings home closer to SIU Carbondale.

International Student Groups

African Student Council (AFSC)

Animekai Club

Arab Student Council

Asian Student Association and Friends

Bangladesh Student Association

Caribbean Student Association

Chinese Student and Scholar Association

Cypriot Students Association

French Club

General Union of Palestinian Students
Greek Student Association
Indian Student Association
International Student Council
Japanese Student Association
Kenyan Student Association
Korean Student Association
Latin American Student Association
Moroccan Ambassadors Association
Republic of China (Taiwan) Student Association
Sudanese Student Association
Thai Student Association
Turkish Student Association
United Asian American Council

International Friends Club

The International Friends Club (IFC), a large group of American campus and community volunteers, offers a variety of programs for international students and their families. These include:

Host Family Program - American families invite international students to their homes for monthly social activities and cultural exchange.

English in Action – International students practice English conversation every week with American partners.

Language Exchange – American and international partners meet once a week to practice both languages.

Speakers Bureau – International students visit local community groups and schools to speak about their home countries and customs.

IN GEAR – International students volunteer to share their cultures in schools throughout the region.

An International Dialogue On Faith: A Woman's Perspective – International women present a panel discussion on world religions from the female perspective followed by a roundtable discussion with the audience.

Emergency Response Team – Professionals offer legal, medical, insurance, spiritual, and counseling support to international students and their families in emergency situations.

Mother Care – Friendship teams of several women are created to offer support and encouragement to pregnant international students and wives.

Translation Incorporated – International students volunteer to act as translators for other students, community members, and groups.

International Wives Friendship – American women plan weekly activities for spouses of international students.

International Spouses Group – International spouses and American leaders develop social and educational activities.

International Potluck – Internationals and Americans bring dishes from their countries to share at this informal dinner. Recipes are provided.

Loan Closet – Household items and winter coats are available for SIU Carbondale international students and visitors to borrow.

Important SIU Carbondale Contact Information

International Development/Applications
Southern Illinois University
Carbondale IL 62901-6831
E-mail: intlinfo@siu.edu
Phone: (618) 453-2056
Fax: (618) 453-3085

International Admission
Southern Illinois University
Carbondale IL 62901-4333 USA
Phone: (618) 453-2954 or (618) 453-2979
Fax: (618) 453-7660
E-mail: phipps@siu.edu

Center for English as a Second Language
Southern Illinois University
Carbondale IL 62901-4518 USA
Phone: (618) 453-2265
Fax: (618) 453-6527
E-mail: cesl@siu.edu

International Students and Scholars
Southern Illinois University
Carbondale IL 62901-6514 USA
Phone: (618) 453-5774
Fax: (618) 453-7660
E-mail: oiss@siu.edu

Programs for the Undecided/Deciding Student

Exploratory Student Advisement- Undeclared (EXPU): The Academic Unit for the Undeclared Student

Sometimes one of the most difficult decisions for students to make is what to declare as a major. There are thousands of career options from which to choose. It takes time to examine these options and reduce them to possible options.

Students who really know what they want to do for the rest of their lives are the exceptions. In fact, 60 to 75 percent of students who think they are sure about their majors later change their minds. They may discover they do not have the interest or aptitude to complete the requirements for a specific major or they do not enjoy the type of work tasks for which they are preparing.

There are disadvantages to switching from one degree program to another. Each time students change their major, degree requirements change, too. Courses taken in the first major may not fulfill the requirements of the second major. The additional course work needed to fulfill the new requirements may add to the time and money it will take to graduate. Students can avoid such setbacks by starting college as EXPU students. The EXPU program at SIU Carbondale allows students to explore career options while fulfilling University Core Curriculum requirements.

EXPU students are students who have decided to explore their academic and career options before committing to a specific major. Forty percent of new SIU Carbondale freshmen enroll as EXPU students.

EXPU students work with an advisor at Exploratory Student Advisement to choose courses that will apply toward a bachelor's degree and keep the student on track with recommended and required course work in the areas of study the student is considering. EXPU services are available to the EXPU student until a major is declared.

To become a EXPU student at SIU Carbondale, write "EXPU" on the admission application in the space for intended major.

EXPU advisors help students identify their interests and talents and relate them to the student's long-term goals. Students who have interests in more than one field receive help from a EXPU advisor to narrow them down, or perhaps, find a way to combine them to fit a career plan. Career counseling is also available to assist students in their career exploration process.

Advisors help students choose classes that fulfill requirements of many majors and avoid classes that may not fulfill requirements of the degree program the student is considering. Advisors can also help students choose courses that will give them a feel for the discipline before committing to a major.

Career Exploration Process

Career Services professionals in University Career Services can assist students in identifying their interests, abilities, values and lifestyle preferences in relation to the world of work and match them to the occupations that are best suited for them. In collaboration with Exploratory Student Advisement, students will

have the opportunity to take the FOCUS 2 assessment which is an online career assessment tool that can help students make career and educational decisions by identifying possible career options related to their interest patterns. These results are then interpreted by professionals in both Career Services and ESA so that the specific career possibilities, generated by the students responses, can be researched more fully within the site's impressive database of occupational information.

Course in Career Exploration

A course, which gives students, an organized approach to selecting an occupation by taking them step by step through the career decision-making process, is available to undecided students. Decision Making for Career Development (EPSY 100) teaches students how to choose and plan their career.

Internships, Cooperative Education, and Work-Study Programs

Another way to explore career interests is by observing or working with professionals in the field. Employers offer SIU Carbondale students such opportunities through internships, cooperative education programs, and work-study programs. University Career Services and academic departments can provide information about these learn-while-you-work opportunities.

Work experiences give students a chance to show employers their talents and work ethic and may lead to permanent employment after graduation. Further, students starting the job search will have professional experience to list on their résumés along with their academic credentials.

Program Options

At SIU Carbondale, students have access to experts in a wide variety of career fields. SIU Carbondale offers more than 230 programs—one of the two most diverse academic program selections in Illinois. Once ready to declare a major, students can choose from programs in agriculture, applied sciences and arts, business and administration, communications, the fine arts, law, the liberal arts, medicine, science, education, engineering, and social work. SIU Carbondale students have the opportunity to achieve any level of training: bachelors, masters, doctors, and professional degrees in law and medicine.

For more information, call or write:

Exploratory Student Advisement
Woody Hall, C-117 (during Fall 2013, ESA will be relocated
to the New Student Services Building, 1st floor)
Southern Illinois University
Carbondale, Illinois 62901-4711
<http://www.siu.edu/~exploratory.siu.edu>
(618) 453-4351
FAX (618) 453-3241

Advisement and Registration

On Campus Advisement and Registration

During advisement and registration, students meet with advisors to plan their courses at SIU Carbondale and determine the times and days of the week for each class they choose.

Prior to the advisement and registration period, SIU Carbondale will mail to admitted new students information and a phone number for scheduling an advisement and registration appointment.

SIU Carbondale students who complete their advisement and registration early in the advisement period may have a good chance of designing a convenient, time-efficient semester. Many students are able to arrange class schedules that allow for extensive study time, part-time jobs, commuting needs, athletic or recreational activities, or involvement in student organizations.

Advisement and registration for summer and fall semester classes begins in March for students new to SIU Carbondale. For students entering SIU Carbondale in the spring semester, advisement and registration begins in October.

Early Advisement and Registration

No payment is required at the time of advisement and registration if the student completes the procedure on campus before the first billing statement is mailed.

SIU Carbondale no longer mails paper bills to currently enrolled students. Student bills can be found in the 'MyFinances' tab on the left hand side under 'My Statement'. For the most recent statement, click the envelope icon in the upper right hand corner of the box. For older statements or to view your account summary or payment history, click the 'Statement and Payment History' link.

Your payment is due by the 10th of each month. You will be unable to register for a future semester if your balance is greater than \$1,000. If you have any questions regarding a charge on your bill, please contact the department responsible for the charge.

Financial Aid 453-4334, fao@siu.edu

Housing 453-2301, housing@siu.edu

Parking 453-5369, parkingdiv@dps.siu.edu

Student Health 453-3311, shcinfo@siu.edu

You may authorize your parents or others to view your account information and/or pay online. Authorize them on SalukiNet under "My Records".

Lodging and Parking During Advisement and Registration

Lodging facilities are available at various motels in and near Carbondale. A list is included in the welcome packet sent to all admitted new students before the advisement and registration period. A campus-parking permit is included in the guide for use in SIU Carbondale campus parking lots.

Advisement Center Telephone Directory

	<u>Area Code (618)</u>
Agricultural/Sciences.....	453-3080
Applied Sciences and Arts	
Architectural Studies.....	453-3734
Automotive Technology.....	453-4024
Aviation Flight.....	453-9235
Aviation Management.....	453-1946
Aviation Technologies.....	453-9206
Dental Hygiene.....	453-7287
Electronic Systems Technologies.....	453-7200
Fashion Design & Merchandising.....	453-3734
Health Care Management.....	453-7172
Information Systems Technologies.....	453-7200
Interior Design.....	453-3734
Mortuary Science and Funeral Service.....	453-7287
Off-Campus Programs.....	453-7276

Physical Therapist Assistant.....	453-7172
Radiologic Sciences.....	453-7287
Technical Resource Management.....	453-7281
Business.....	536-4431
Education and Human Services.....	453-6340
Social Work.....	453-6340
Workforce Education (WED)	453-2354
Engineering.....	453-2261
Liberal Arts	453-3388
Art & Design	453-4313
Music	453-7316
All other majors in the College of Liberal Arts	453-3388
Mass Communication and Media Arts	453-4308
Science	536-5537
Undergraduate Academic Advisement	
Exploratory Student Advisement.....	453-4351
(ESA) University College	

New Student Orientation

A formal orientation program is offered before the start of each semester. Admitted students will receive information before their first semester with details about the activities scheduled for each day of orientation. All students are encouraged to attend, first time freshman are required to attend. For more information, contact New Student Programs (618) 453-1000.

Shortening Time to Graduation

Ninety-three percent of SIU Carbondale graduates complete their bachelor's degree programs within six years after entry as full-time freshmen. The seven percent who took more than six years to graduate did so for a variety of reasons—changing majors, reducing course load to make time for a job, or taking fewer than 15 semester credits in one or more semesters. To graduate within four years, students should begin early to develop a plan for completing all of the degree requirements by their target graduation date. With careful planning, some students are able to graduate within three years!

A certain percentage of students fail to make a successful transition academically. There is a significant difference between the demands of high school and college. In high school, much of the learning occurs in the classroom. In college, a greater percentage of learning occurs outside the classroom.

SIU Carbondale provides resources to help students make a successful transition. Academic advisors can direct students to career counselors, tutors, study groups, and seminars on time management, note taking, and test taking.

High school students may get a jump on fulfilling degree requirements by enrolling in university-level courses while still in high school.

Students who change their major may find that it takes longer to complete degree requirements, because requirements are different for each major. Students should take advantage of SIU Carbondale resources such as Exploratory Student Advisement and University Career Services to explore career opportunities, choose a major, and avoid changing degree programs.

Transfer students should work closely with their SIU Carbondale academic advisor to plan their transfer carefully. SIU Carbondale's Dual Degree Program can make the transfer process very easy, especially if planned in advance.

Additional Tips

- Work closely with the academic adviser to map out a plan to graduation.
- Take at least 15 hours per semester.
- Investigate opportunities for fulfilling course requirements through proficiency exams and summer-school classes.

- Meet with the instructors. Ask for suggestions on completing assignments and taking exams.
- Learn and practice good study skills. Study two to three hours outside of class for every hour in class.

University Housing

HOUSING POLICY

All single freshmen under the age of 21 are required to live in University Housing. The complete policy and exemptions are available online at www.housing.siu.edu.

HOUSING CONTRACTS

SIU Carbondale students may contract online for a residence hall or apply online for an apartment once they are admitted to the University.

CAMPUS LIVING

Traditional Residence Halls

University Housing offers two residence hall areas – East Campus and West Campus. Each area offers dining services, 24-hour emergency maintenance, and live-in staff. The traditional residence hall contract includes meals, all utilities (air-conditioning in all buildings), wireless Internet and cable television. Telephone service is available for an additional charge.

Junior/Senior Housing

University Housing offers a residence hall on East Campus for juniors, seniors, graduate students and students age 21 and older. Residents enjoy a private room at the double room rate, furnished rooms, wireless Internet, cable TV and all utilities. A kitchenette is available on site. A dining plan is optional for residents of this hall.

University Housing Apartments

University Housing offers four apartment areas. Live-in staff are available to assist residents and 24-hour emergency maintenance is offered. All apartments are air-conditioned and laundry facilities are located in each area. Eligibility requirements are online.

- Wall & Grand Apartments (Undergraduate/Graduate Housing) offer all-inclusive two- and four-bedroom apartments that house four students and are fully furnished and include a complete kitchen and washer/dryer.
- Evergreen Terrace (Family/Graduate Housing) offers two- and three-bedroom, unfurnished apartments. Water and trash are included. A computer lab is located on site. Programs and activities for adults and children are available.

- Elizabeth Apartments (Graduate Housing) offers furnished efficiency apartments. Utilities are included.

- Southern Hills (Graduate Housing) offers one- and two-bedroom furnished apartments. Utilities, with the exception of cable television and telephone service, are included.

DINING SERVICES

Students choose from 12, 15 or 19 meals per week when completing their traditional residence halls contract. Dining options are available for students living in an apartment and off campus. Each plan varies in price. Students with a valid dining plan may eat in either of our dining halls, regardless of where they live. Dietary questions can be addressed to our dietitian. Menus and details are available online.

OFF-CAMPUS HOUSING

All off-campus housing is privately owned. Off-campus housing information is available in online classifieds at www.dailyegyptian.com, www.southernillinoisian.com, and at www.apartmentfinder.com.

SORORITIES AND FRATERNITIES

For information on sorority and fraternity housing, contact Student Life & Intercultural Relations, SIU Carbondale, Carbondale, IL 62901-4425; (618) 453-5714.

CONTACT INFORMATION

University Housing
Student Services Building – Mail Code 6716
Southern Illinois University Carbondale
1263 Lincoln Drive
Carbondale, IL 62901
Phone: (618) 453-2301
housing@siu.edu
www.housing.siu.edu

Costs and Financial Aid

FALL 2013 ON-CAMPUS UNDERGRADUATE TUITION CHARGES (Per Semester Hour Enrolled)

Term of Entry at SIU Carbondale	Illinois Resident ¹	Border State Resident ^{1,2}	Other Non-IL Resident ¹
Prior to Fall 2004	\$280.50 per hour	\$701.25 per hour	\$701.25 per hour
Fall 2004	\$280.50 per hour	\$701.25 per hour	\$701.25 per hour
Fall 2005	\$280.50 per hour	\$701.25 per hour	\$701.25 per hour
Fall 2006	\$280.50 per hour	\$701.25 per hour	\$701.25 per hour
Fall 2007	\$280.50 per hour	\$701.25 per hour	\$701.25 per hour
Fall 2008 ³	\$243.00 per hour	\$607.50 per hour	\$607.50 per hour
Fall 2009 ³	\$243.00 per hour	\$243.00 per hour ⁶	\$607.50 per hour
Fall 2010 ³	\$243.00 per hour	\$243.00 per hour ⁶	\$607.50 per hour
Fall 2011 ⁴	\$259.80 per hour	\$259.80 per hour ⁶	\$649.50 per hour
Fall 2012 ⁵	\$272.30 per hour	\$272.30 per hour	\$680.75 per hour
Fall 2013 ⁶	\$280.50 per hour	\$280.50 per hour	\$701.25 per hour

¹Tuition is capped at 15 times the above rates for students enrolled in 15 or more semester hours.

²Those from the border states of MO, KY, IN, TN, and AR.

³College of Business students have a tuition surcharge of \$36.45 per hour.

⁴College of Business students have a tuition surcharge of \$38.95 per hour.

⁵College of Business students have a tuition surcharge of \$40.85 per hour.

⁶College of Business students have a tuition surcharge of \$42.10 per hour.

FALL 2013 ON-CAMPUS UNDERGRADUATE FEE CHARGES (Flat and Per Semester Hour Enrolled)

Fee	Fee Type	Charge (all fees are subject to change)
STS Grant (1)	Flat	\$3.00 per semester
Student Attorney (2)	Flat	\$6.00 per semester
Student Center (3)	Per Hour	\$11.67 per hour up to a maximum of \$140.00 for 12 or more hours
Student Activity (4)	Per Hour	\$3.79 per hour up to a maximum of \$45.40 for 12 or more hours
Student Rec (5)	Per Hour	\$11.22 per hour up to a maximum of \$134.60 for 12 or more hours
Athletic Fund (6)	Per Hour	\$25.50 per hour up to a maximum of \$306.00 for 12 or more hours
Campus Rec (7)	Per Hour	\$0.72 per hour up to a maximum of \$8.54 for 12 or more hours
Student Medical (8)	Flat	\$620.00 per semester
Revenue Bond (9)	Per Hour	\$4.95 per hour up to a maximum of \$59.40 for 12 or more hours
Mass Transit (10)	Per Hour	\$4.00 per hour up to a maximum of \$48.00 for 12 or more hours
Info Technology (11)	Per Hour	\$6.70 per hour up to a maximum of \$80.40 for 12 or more hours ¹
Student Services Bldg (12)	Per Hour	\$6.67 per hour up to a maximum of \$80.00 for 12 or more hours
Facilities Maintenance (13)	Per Hour	\$18.50 per hour up to a maximum of \$222.00 for 12 or more hours ¹
Green (14)	Per Hour	\$0.84 per hour up to a maximum of \$10.00 for 12 or more hours

¹ New incoming students for Fall 2013 or later who register for more than 12 hours will not have this fee capped at the noted maximum amount.

The fees which have been established by the Board of Trustees are payable by all students unless they are specifically exempted by the Board of Trustees. All fees are considered to be institutional in nature and require payment regardless of whether or not the student receives direct benefits or is in a location, which permits access to such benefits.

All students will pay the full Student Medical Benefit Fee of \$620.00, which entitles them to full medical benefits at the Student Health Center. An on-campus student may seek a refund for the portion of the fee that provides coverage overlapping the student's existing health insurance coverage. To arrange for such a refund, the student must contact the Student Health Center Insurance Department *within the first two weeks of each semester*.

The on-campus undergraduate student fee also includes allocations to the Student Recreation Fee, Athletic Fund Fee, Student Center Fee, Student Activity Fee, Student-to-Student Grant, Bond Retirement Fee, and Campus Recreation Fee.

The Student-to-Student Grant program fee is voluntary. Students may receive a full refund for this fee by contacting the Registrar's Office *within ten days following initial tuition and fee payment*.

Payment Procedures

Tuition and fees are payable in four installments each semester. A student who registers will later receive a statement of account through the mail and may pay, by the deadline date specified on the statement, either by mail, via SalukiNet, or in person at the Bursar's office.

TOTAL UNIVERSITY CHARGES INCLUDING ON-CAMPUS HOUSING

The budget shown below is an estimate, for the Fall 2013– Spring 2014 academic year, for a full-time student enrolled in 15 credit hours per semester (30 credit hours per year) and living on campus.

Estimated Costs	*Illinois Residents		*Out-of-State Residents**	
	Semester	Year	Semester	Year
Tuition	\$4,207.50	\$8,415.00	\$10,519.50	\$21,038.00
Fees	1,839.00	3,678.00	1,839.00	3,678.00
Room and Board	4,763.50	9,527.00	4,763.50	9,527.00

* All costs are subject to change. ** See section on Qualifying for In-State Tuition Rates.

*SIU Carbondale offers in-state tuition to residents of Arkansas, Indiana, Kentucky, Missouri, and Tennessee.

Textbooks

The cost of textbooks and school supplies is not included in the tuition and fee figures stated above. The average cost of books and supplies for the 2013–2014 academic year is estimated at \$1,100.

Miscellaneous Expenses

Out-of-pocket expenses for an undergraduate living on campus, such as transportation to and from home, entertainment, and personal items, are estimated at \$2,689 for the academic year.

QUALIFYING FOR IN-STATE TUITION

Southern Illinois University Carbondale is a state-supported institution. Although our non-resident tuition rate is much lower than that of most private schools, it is considerably higher than the resident tuition rate. However, our policy permits students to change their classification status from non-resident to Illinois resident. Many who choose this option pay out-of-state tuition for their first year at SIU Carbondale and then, following specific procedures, act to qualify for resident tuition in the future semesters.

Students are required to prove they have lived in Illinois for six months before the first day of semester classes, as well as follow other procedures, in order to qualify for Illinois residency.

Establishing Residency

A non-resident student planning to qualify for bona fide Illinois resident status must show intent at least six months before the beginning of the term in which she/he hopes to pay resident tuition.

A bona fide residence is defined as “a domicile of an individual which is the true, fixed, and permanent home and place of habitation, the place to which, whenever absent, the individual has the intention of returning.” Criteria for establishing residence include, but are not limited to, year-around residence, voter registration, place of filing tax returns (home state indicated on federal

tax return for purpose of revenue sharing), property ownership, driver’s license, car registration, vacations, and employment.

Guidelines

The student must, at the least, move to Illinois, keep rent receipts, get an Illinois voter’s registration card and driver’s license, and register any vehicles in Illinois. Tax returns, paycheck stubs, deeds to property, and other evidence may also be presented in support of the residency application. These steps must be taken at least six months before the start of the school term in question.

Making Application

After taking the above steps, undergraduate students should submit an Illinois resident tuition application to Undergraduate Admissions. For more information or an application contact:

Undergraduate Admissions
Southern Illinois University
Mailcode 4710
Carbondale IL 62901
(618) 453-2959

Financial Aid

The Financial Aid office assists students seeking monetary assistance to finance their post-secondary education at Southern Illinois University Carbondale. Last year, SIU Carbondale distributed over \$291 million in financial aid to more than 19,086 of SIU Carbondale students.

A financial aid package is prepared for qualified students. It may include scholarships, grants, federal work-study, and loans. The type and amount of financial aid are contingent on the availability of program funds and demonstrated financial need, which is determined by information on the Free Application for Federal Student Aid (FAFSA).

Grants and scholarships are gift aid, which is not repaid. Loans must be repaid, at differing interest rates and repayment schedules based on the loan program. Students who seek and acquire an on-campus job participate in student employment.

Major Financial Aid Programs

SIU Carbondale participates in federal, state, and institutionally funded programs, which include the Federal Pell Grant Program, the State of Illinois Monetary Award Program (MAP) Grant, Federal Direct Subsidized Stafford/Ford Loans, Federal Direct Unsubsidized Stafford/Ford Loan Program, Federal Perkins Loan Program, Federal Direct Parent Loans, Student-to-Student Grant Program, Federal Supplemental Educational Opportunity Grant Program, the Federal TEACH grant program, the Federal Work-Study Program (FWS), and the regular student employment program.

The Financial Aid Office web site: www.fao.siu.edu, summarizes the major types of financial aid and includes a brief description of each program’s eligibility criteria, application procedures, and deadlines.

Grants

The major federal grant programs include the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant, and the Federal TEACH Grant. State grant programs include the State of Illinois Monetary Award Program (MAP) Grant and the Student-to-Student Grant. Institutional grant programs include the SIU Grant Program. These grants are based on financial need as determined from the Free Application for Federal Student Aid (FAFSA).

Scholarships

Southern Illinois University Carbondale offers scholarships based on academic achievement, special talent, athletic ability or other considerations. The SIU Carbondale Scholarship Program provides freshman and transfer awards to new undergraduate students who have achieved high academic standards. Awards to continuing students are also available. These scholarships vary in eligibility requirements and dollar values. For more detailed information about the scholarships, students should go to: <http://scholarships.siu.edu>

Academic units of the University select recipients of departmental academic scholarships annually. A limited number of scholarships are available from each area. Information is available from the scholarship coordinator in each academic unit.

Students interested in seeking a private grant or scholarship should check as many sources as possible including high schools, local clubs and civic organizations, businesses, church groups, alumni organizations, employers, and commercial lending institutions. Public libraries are an excellent source for information on state and private scholarship money. There are several web sites that provide free scholarship search services.

Army and Air Force ROTC programs on campus provide both federal and state scholarship opportunities. For information contact: Army ROTC at (618) 453-5786, or Air Force ROTC at (618) 453-2481.

Loans

Loans are borrowed money that must be repaid with interest. Educational loan programs include the Federal Direct Subsidized Stafford/Ford Loan, the Federal Direct Unsubsidized Stafford/Ford Loan, the Federal Direct Parent Loan for Undergraduate Students (PLUS), and the Federal Perkins Loan. To apply for any student loan, students should complete a Free Application for Federal Student Aid (FAFSA). The Federal Direct Subsidized Stafford/Ford Loan and the Federal Perkins Loan are based on financial need. The Federal Direct Unsubsidized Stafford/Ford Loan is not based on need, but a FAFSA must be completed. The Federal Direct Parent Loan for Undergraduate Students (PLUS) is available to parents borrowing for their dependent students' cost of attendance. Alternative loans are available from private lenders and are also not based on need.

Student Employment

SIU Carbondale has one of the largest on-campus student employment programs in the country. More than 4,400 students were employed by SIU Carbondale last year. Most students work at the prevailing campus minimum wage, 15 to 20 hours per week. The Financial Aid Office lists job openings on the FAO web site at: <http://studentjobs.siu.edu>.

Applying for Financial Aid

To apply for financial aid at SIU Carbondale, students should complete the 2013-2014 Free Application for Federal Student Aid (FAFSA). Students are encouraged to file on-line at: www.fafsa.ed.gov. SIU's federal school code is 001758. To receive full consideration for all forms of financial aid, the student should complete and send the FAFSA as soon as possible after January 1.

Notification of Financial Aid Eligibility

Students are informed of financial aid awards via an SIU Carbondale award letter provided by FAO to students beginning in March after all required information is submitted. The award letter is accessed electronically through SalukiNet and must be reviewed and accepted/rejected.

Academic Progress Standards for Financial Aid

The University requires that a student be making satisfactory progress toward a degree if that student wishes to receive financial aid funds. A student is making satisfactory progress toward a degree if successfully meeting each of four basic academic standards. First, students are expected to have passed at least a prescribed number of cumulative credit hours at SIU Carbondale for the total number of terms enrolled at SIU Carbondale. Second, students must complete their degree within a maximum number of SIU Carbondale terms. Third, students must complete their degree before accumulating a maximum number of credit hours earned including both SIU Carbondale and transfer credit hours. Fourth, students must maintain a cumulative grade point average of 2.0 at the end of each spring semester. A copy of the policy on satisfactory progress is available upon request from the Financial Aid Office or the Financial Aid web site.

Students who reduce attempted credit hours or receive "WF" or "WU" grades that reduce enrollment to less than half time or who withdraw from SIU are subject to repayment of financial aid

based on the last date of attendance.

Additional Financial Aid Information

Students desiring additional information should contact the Financial Aid Office, Mailcode 4702, Woody Hall, B Wing, Third Floor, 900 South Normal Avenue, Carbondale, Illinois 62901-4702, telephone (618) 453-4334. FAX financial aid documents to (618) 453-7305.

Students can contact the Financial Aid Office electronically at the FAO email address: fao@siu.edu or the FAO web site at: <http://fao.siu.edu>.

Note: At the time this catalog was printed, financial rules and regulations for the 2013-2014 academic school year were pending. Any changes in federal, state, or institutional regulations may affect the information reported. Students are therefore encouraged to contact SIU Carbondale Financial Aid Office web site for the most recent information.

FINANCIAL AID AND SCHOLARSHIP WEB SITES*

The Internet is a great resource for learning about financial aid. From how to apply for financial aid to how to build your profile for scholarship searches, the web offers a variety of sites to visit. Check out these sites for financial aid and scholarship information.

Locating General Information

Financial Aid Web site: <http://fao.siu.edu>. The Southern Illinois University Carbondale (SIU Carbondale) Financial Aid Office web site offers both general and SIU-specific financial aid information. There are also links to all of the web sites listed here, as well as other financial aid and SIU Carbondale sites. SIU Carbondale on-campus jobs and scholarship listings are posted.

*SIU Carbondale does not endorse any particular commercial web site. Financial Aid at SIU Carbondale processes and awards financial aid on the basis of student and family information provided on the Free Application for Federal Student Aid (FAFSA).

www.students.gov

The federal government provides a general, user-friendly site that provides access to the IRS, Selective Service, Social Security and other sites of interest to students.

www.ed.gov

The U.S. Department of Education's web site offers general financial aid information about federal student aid programs such as the Federal Pell Grant, Federal SEOG, Federal Work-Study and student loans.

www.isac.org

State of Illinois programs that provide grants and scholarships to qualifying Illinois residents are highlighted at the web site of the Illinois Student Assistance Commission (ISAC).

Applying for Financial Aid

www.fafsa.ed.gov

Students and parents can use this web site to electronically complete and submit the Free Application for Federal Student Aid (FAFSA) and the Renewal FAFSA, as well as to make corrections to previously submitted FAFSA data.

www.pin.ed.gov

A student or parent can apply for a Personal Identification (PIN) that serves as an electronic signature to complete the FAFSA on-line, to make electronic corrections, and to access personal, historical financial aid information.

Searching for Scholarships

www.fastweb.com

FastWeb provides a free national scholarship search service that allows a student to provide profile information and receive a listing of grants and scholarships that can be pursued.

www.iefaf.org

International students can search for various types of financial aid from the web site of International Education Financial Aid.

Locating Personal Information

SalukiNet.siu.edu

Prospective and admitted students can use SalukiNet to find SIU

Carbondale forms and information and to access their personal student and SIU account information.

www.nslsds.ed.gov

With a federal Personal Identification Number (PIN), students can review their individual financial aid history.

www.isac.org

This site will allow you to calculate a potential Estimated Family Contribution (EFC). The EFC is the amount the family is expected to contribute towards the cost of a student's education and is used to determine eligibility for federal and state financial aid.

Student Services

SIU Carbondale students are not only a part of the University community, but also a part of the city of Carbondale. Students may find many of the services available to the Carbondale community beneficial to students as well as to residents.

The City of Carbondale's homepage is: <http://www.ci.carbondale.il.us/>. Visit the Carbondale homepage for information about city services.

STUDENT HEALTH SERVICES

Student Health Services is AAAHC accredited and is one of the largest and most comprehensive health centers in the nation. We serve as a medical facility and health information resource for a richly diverse campus community, supporting students in the achievement of their academic goals and personal development through the creation of a healthy campus. For more information, call 618-453-3311 or visit our website at shc.siu.edu.

Our services include:

SALUKI HEALTH WEB PORTAL

From the Student Health Services' website, students can access the Saluki Health Web Portal with their SIU Network ID and Password. In the secure portal, students have many options including: make, view, and cancel appointments, send secure messages to the e-nurse, complete required forms, print a parking pass, and request a prescription refill. Go to our website at shc.siu.edu for more information.

MEDICAL CLINIC

Medical problems may interfere with your ability to succeed academically. The Medical Clinic is known for delivering exceptional and responsive care. A wide range of primary care services including lab and x-ray, treatment, and follow-up care is available. Students may schedule an appointment on our website anytime via the Saluki Health Web Portal or by calling 618-453-3311 Monday – Friday 8:00 am - 4:30 pm.

AFTER HOURS CARE

For after-hours emergencies, call 911 or go to the emergency room. Your Student Medical Insurance will not cover non-emergent ER visits.

PSYCHIATRY

Students can experience psychiatric difficulties while away at school that can interfere with their academic success and personal lives. The Clinic is staffed with a psychiatrist and psychiatric nurse that work closely with our psychologists and mental health counselors. Services include psychiatric evaluation and medication management. Call 618-453-4346 for an appointment.

WELLNESS AND HEALTH PROMOTION SERVICES

Wellness and Health Promotion Services (Wellness) provides current and accurate health information about important lifestyle decisions. Our professional staff provides resources and

programs in nutrition, sexual health, stress management, alcohol and other drug use, violence prevention, and other areas of wellness that impact student success.

Educational materials including brochures and handouts are available free of charge in the Wellness offices. Online screenings are available on our website for alcohol, marijuana, anxiety, depression, and eating disorders.

Presentations are available upon request for classes, RSOs and campus groups. To schedule a workshop, call 618-536-4441. Please make your request at least two weeks in advance. "Wellness Workshops" are also scheduled throughout the semester in our Student Health Center auditorium and are open to anyone who would like to attend. Some instructors offer extra credit to students who attend one of these workshops. For more information, please visit our website at <http://www.shc.siu.edu/> or call 618-536-4441.

COUNSELING AND PSYCHOLOGICAL SERVICES

College is a time of change, transition and growth. At times, students find it useful to seek the assistance of a caring professional. Each year 1 out of 10 SIU Carbondale students seek services at the Counseling Center. The Counseling Center provides mental health services to SIU Carbondale students. Our staff of professional psychologists and counselors is trained to help you discover ways to cope more effectively with problems in day-to-day living. Our staff has a commitment to meet the needs of individuals from diverse backgrounds including differences of culture, race, gender, ability and sexual orientation.

Students seek counseling services to cope with a range of concerns including relationship issues, transition and adjustment difficulties, family conflict, anger management, depression, anxiety, social skill development, eating behaviors and body image concerns, sexual and physical abuse experiences, and any other concern that is affecting the student's quality of life on a daily basis.

Students may call the Counseling Center at 618/453-5371 to set up an appointment or they may walk-in and ask to speak to a counselor. We are located in the Student Health Center, second floor, room 253. We offer crisis counseling, group, individual, and couples counseling. For more information about our services and for self-help links related to mental health issues visit our website <http://shc.siu.edu/services/counseling-center/>.

SPORTS MEDICINE & PHYSICAL THERAPY

We offer a comprehensive approach towards the evaluation and treatment of activity-related injuries and physical impairments. After evaluation, recommendations are made which may include a supervised rehabilitation/treatment plan, a self-care plan, or referral to a physician. Our therapy pool provides patients an aquatic environment to facilitate the rehabilitation process. Call 618-453-1292 for an appointment.

DENTAL SERVICE

Good oral care is one of the easiest ways to positively impact your overall health. The Dental Service offers emergency, routine, and preventive dental care for students. The front door fee includes an initial comprehensive exam and x-rays. Routine dental services are provided on a fee-for-service basis. For an appointment or more information, call 618-536-2421.

PHARMACY

We have a full service pharmacy and fill prescriptions from any licensed physician. In addition to prescriptions, the pharmacy has a selection of over-the-counter items available for purchase. You may purchase all pharmacy items with normal payment methods or by charging it to your Bursar account or Debit Dawg. Private insurance and Medicaid cards are not accepted. For pharmacy information, call 618-453-4417.

INSURANCE BENEFITS

The Student Medical Insurance Plan provides health insurance coverage that complements the on-campus primary care services with benefits for off-campus services such as hospitalization, surgery and specialty care. Most students are automatically enrolled in the Student Medical Insurance Plan as a condition of SIU Carbondale enrollment. Students with other health insurance coverage may be eligible for a refund of a portion of this fee. For more information go to our website at: shc.siu.edu or call 618-453-4413.

IMMUNIZATION COMPLIANCE

Illinois law requires that all students born after January 1, 1957, show proof of immunity to tetanus, diphtheria, measles, mumps and rubella. All international students, regardless of date of birth, must also complete a tuberculosis screening at the Student Health Center. Students cannot register for classes in subsequent semesters until compliance requirements are met. Elective immunizations such as meningitis, hepatitis, flu and travel vaccinations are also available. Call 618-453-4326 for more information.

Student Health Services
374 E. Grand Avenue
Mail Code 6740
Carbondale, IL 62901

Ph: 618-453-3311
Fax: 618-453-4449
Email: shcinfo@siu.edu
shc.siu.edu

THE WRITING CENTER

The Writing Center staff, composed of English Department graduate assistants and specially trained undergraduate tutors, invites all SIU students to take advantage of the Center's free services. The Center offers students single-visit or regular-weekly assistance on their writing, with both in-person, on-campus sessions and chat-based, online sessions available. Tutors can help students develop strategies for any stage of the writing process, including getting started on essays, organizing and focusing ideas, developing and connecting points clearly, and correcting grammar and punctuation errors. At every stage, the emphasis is on helping students to solve their writing problems and become better writers.

If students want to see a tutor or have questions about the Center's services, they may visit one of the two campus locations: Morris Writing Center, Morris Library Room 236, or Trueblood Writing Center, Trueblood Hall Learning Resource Center. Or they may visit the Center online at www.write.siu.edu/ or call 453-1231. Writing Center brochures are available at both the Morris and Trueblood locations.

EMPLOYMENT OPPORTUNITIES

Visit SIU Carbondale's Web site for information on jobs and careers at <http://studentjobs.siu.edu>.

Each year over 4,400 students choose to help pay for their education by participating in the on-campus Student Employment Program. Various types of positions are available throughout campus. Many departments of the University employ students, and whenever possible, students may be employed in the area of their academic interest.

The Financial Aid Office posts a number of student work opportunities. Potential, as well as, currently enrolled students can review a wide variety of job postings to find a job that may meet their needs. These posting are accessible at the FAO website: <http://studentjobs.siu.edu>.

Some jobs are restricted to students who have accepted a Federal Work-Study (FWS) award from the Financial Aid Office. Other jobs can be either FWS or Regular work jobs. Those with a FWS award should link to both job listing sites to look at potential jobs. Those who do not have a FWS award should link to the Non-FWS job listing site only.

Graduate Assistantships

Many graduate students pursue graduate assistantships as a way to pay for their education as well as gain valuable work experience. Of the three types of graduate assistantships, teaching and research assistantships are generally awarded to graduate students within their academic department. The third type is the administrative assistantship. These positions can be located on the Graduate School homepage. There is a link where departments post administrative assistantship positions. The Graduate School requires departments hiring administrative assistants to post the job opening. The web address: siu.edu/gradschl.

Civil Service Job Postings

Civil Service positions are available in departments throughout the University campus in full-time or part-time capacities. Information regarding civil service job openings can be obtained on-line at www.siu.edu/jobs or by calling the HR INFO Hotline at (618) 536-2116.

Administrative/Professional & Faculty Job Postings

Students who meet educational and experience requirements may also apply for administrative/professional and faculty positions. Information regarding administrative/professional and faculty job openings can be obtained on-line at www.siu.edu or by calling the HR INFO Hotline at (618) 536-2116.

RELATIONSHIP VIOLENCE & SEXUAL ASSAULT

Services

Student Health Services provides a coordinated support system for students who are experiencing or have concerns regarding interpersonal violence, dating/domestic violence, sexual assault or abuse, sexual harassment or stalking. Referral services, prevention education, and resource materials are available. For more information, please call: 618-536-4441.

NON-TRADITIONAL STUDENT SERVICES

The office of Non-Traditional Student Services (NTSS) assists adult students with their transition into and through the campus learning environment by serving as a campus and community resource referral agency for students who may be non-traditional as defined by employment status, family status (spouse and/or dependents), gap in education, commuter status, etc. NTSS also serves as a resource for non-traditional student concerns in addition to promoting campus awareness of and response to SIU's adult student population, their spouses, and family members. Additional services include:

- **Adult Student Organization** which seeks to build community among SIU's adult students through scholarship,

support, and service;

- **Complete Resource Guide**, monthly e-newsletter, family friendly program information, and other resources are available at nontrad.siu.edu.
- **Spouse/Domestic Partner Card** provides opportunities for the spouse or domestic partner of enrolled students to participate in designated campus programs and activities.

Phone (618) 453-7521 or nontrad.siu.edu.

DISABILITY SUPPORT SERVICES

The University is committed to making all services, programs, and activities equally accessible to students with disabilities in integrated settings. Services and programs include, but are not limited to, pre-admission information, pre-enrollment planning, orientation, transportation, recreational activities, adapted testing, alternate format textbooks and materials, equipment and computer access for visually, learning, mobility, and hearing impaired students, interpreters and note takers for hearing impaired students. DSS also acts as a liaison with academic departments and service offices, as well as with agencies such as the Division of Rehabilitation Service. In addition, we offer adapted computer technology evaluation and training, and a fall transition experience (fee-for-service).

The University Housing Office provides modified housing in the student and family housing areas. There are also special resources in the Computer Labs, Morris Library, Student Recreation Center, and Student Health Center. The campus overall is exceptionally accessible.

Persons with disabilities apply and are considered for admission in the same manner as non-disabled persons. The nature or severity of disability is not considered in the admission determination. Persons with disabilities interested in attending Southern Illinois University Carbondale are encouraged to visit the campus in order to discuss programs, services, and to tour the campus. Prospective students who have a disability are also encouraged to formally apply for admission as far in advance as possible to ensure sufficient time for planning support services after being admitted but before the starting date of the semester.

Further information may be obtained by contacting the Office of Undergraduate Admission, or the Disability Support Services Office (DSS), or our website at <http://disabilityservices.siu.edu/>. DSS may be reached at DSSSIU@SIU.edu, or by calling (618) 453-5738 (Voice), (618) 453-2293 (TDD), (618) 453-5700 (Fax).

THE ACHIEVE PROGRAM

The Achieve Program is a comprehensive academic support service for students with learning disabilities, attention deficit disorders, and other learning differences. Achieve specializes in systematically providing a variety of comprehensive services which exceed services provided by most compliant programs at universities. Achieve is a self-supportive, fee-for-service program; participation is voluntary and confidential. Achieve complies with FERPA and HIPAA regulations. Every year, Achieve accepts approximately 45 new students into the program.

Services include: case management; supervision; academic monitoring with instructors; academic coaching; communication of progress and concerns among all stakeholders (with student permission); individual reading and writing assistance; individual or group tutoring in most college courses; time management and organizational assistance; use of adaptive technology including Kurzweil for reading assistance and LiveScribe for notetaking; test proctoring accommodations including proctors for time, reading and writing, private, quiet rooms, and instruction in strategies to reduce anxiety and improve test performance; and a large suite of offices and rooms including two large computer labs and several private study rooms only for students in the program. Staff provide technical support in the computer labs and tutorial support for students for extended hours through the week and also on Sunday. Referrals for mental health counsel-

ing are also provided upon request. Parents can expect accountability for services provided through regular reports and contact with their student's case manager. Achieve keeps the number of students assigned to each case manager very low (10-12 students) to allow for intensive support and responsiveness when necessary.

For students on the spectrum, Achieve offers intensive case management and supervisory support in addition to all other services. Achieve partners with a variety of services on campus to provide specialized support for executive functioning difficulties, as well as a student's academic, social, and emotional transition to University life.

Students interested in Achieve must apply to the University and also apply specifically to the Achieve Program. Students must meet our application criteria, which includes previous diagnosis of disability, intellectual ability commensurate with college achievement, and social and emotional maturity expected of someone making a transition to university living. If students meet our initial application criteria, then they will be invited to complete an interview and brief assessment with Achieve Program staff. The final decision to accept a student into Achieve is made at the conclusion of the interview. Achieve application materials can be found online at achieve.siu.edu. The forms can be filled out online, or printed and mailed to the program. Direct correspondence to:

The Achieve Program, Northwest Annex Wing C, Room 121
MC 6832, 870 Lincoln Drive, SIU Carbondale, Carbondale, IL 62901.

Phone: (618) 453-6155

Email: achieve@siu.edu

Web: achieve.siu.edu

PARKING ON CAMPUS

Students wishing to operate, park or possess a motor vehicle on campus must apply for parking privileges online at the Parking Division website, <http://www.dps.siu.edu/decalapp>.

Graduate students and the following categories of undergraduate students may apply for permission to use, operate, park or possess a motor vehicle on campus:

(1) Freshman and sophomores under the age of 21 and living on campus are eligible to apply for a limited number of green overnight decals by requesting application via the Lottery Wait List. Freshman and sophomore students under the age of 21 and residing off campus may apply for commuter parking privileges.

(2) Juniors and seniors (with proof of 56 or more credit hours completed).

(3) Veterans with 2 years or more of active military service with a copy of DD Form 214.

(4) Students 21 years of age or older with a valid driver's license.

(5) Married students with a copy of the marriage certificate.

(6) Students residing in the home of parents or guardians with a parent/guardian form on file with the Housing Office are eligible for red commuter parking privileges.

(7) A student who requires a motor vehicle for reasons of health or physical condition as certified in writing by Student Health Services.

To purchase a parking decal at the Parking Division, an eligible student must present a Proof of Submission Form, their student identification card, a valid driver's license, and an unexpired vehicle registration card. The type of decal an applicant is eligible to receive and the date of purchase will determine the decal cost.

To accommodate unregistered vehicles, twenty-four hour parking is available for the first five days and during final exam week of any term ONLY in lots 56, 59 and 100.

See Parking Division's website at <http://www.dps.siu.edu/parking> for the latest applicable parking information and policies.

CHILD CARE SERVICES

University-Affiliated Services Include:

Child Development Laboratories

875 S. Normal Avenue
116 Quigley Hall/ SIU Carbondale
Carbondale IL 62901-4320
Phone: (618) 453-4221

Services offered: high-quality, individualized child care for the community members by student teaching staff under the direction of SIU Carbondale faculty members.

Hours: 7:45 am - 5:15 pm Monday thru Friday when SIU classes are in session.

Rainbow's End Child Development Center

Mail Code 6735
Southern Illinois University
650 S. State Street
Carbondale IL 62901
Phone: (618) 453-6358

The center is licensed by the Department of Children and Family Services (DCFS), accredited by the National Association for the Education of Young Children (NAEYC), and has a 3-Star Quality Rating System designation by the Illinois Network of Child Care Resource and Referral Agencies (INCRRA). The center provides a secure, supportive, and stimulating environment that meets the daily needs of infants through school-age children. Priority for enrollment is reserved for SIU students and faculty/staff with young children. Hours: 7:30 a.m. to 5:30 p.m. every day the University is open.

Headstart Agency

Central Office
1900 N. Illinois Ave.
Carbondale IL 62920 USA
Phone: (618) 453-6448

Centers are located in Murphysboro, Carbondale, Marion, and locations at John A. Logan College Preschool and Malone's Early Learning Center. The program provides comprehensive school readiness and high quality services to income eligible families with preschool age children. Half-day sessions are free and full day sessions have fees for qualified applicants.

Student Activities

STUDENT INVOLVEMENT AND LEADERSHIP DEVELOPMENT

Registered Student Organizations

Over 400 registered student organizations offer opportunities for student involvement, student leadership and development, and experiential learning. A core of more than 400 volunteer faculty/staff advisers, along with the Student Involvement and Leadership Development (SI&LD) staff, provide direction and consultation with student organizations in the areas of fiscal management, organizational management, and University policies and procedures.

SI &LD also provides a variety of services especially for organizations: membership referrals, organization directories, leadership development workshops, equipment checkout services, copy/duplicating service, mailbox service, and programming resource library. Included among the organizations are student government groups, coordinating councils, public interest groups, fraternities and sororities, publication and media groups, scholastic and professional honoraries, departmental clubs, special interest groups, entertainment clubs, religious organizations, service organizations, and sports and recreation clubs.

The comprehensive and continuously updated list of active groups on campus, including contact information for advisor and president can be found at <http://getinvolved.siu.edu/ros-information/search-rso.html>. Below is the category list current at time of publication.

College of Agricultural Sciences

Agribusiness Economics Club
Agricultural Student Advisory Council
Agriculture Education Club
Agriculture Systems Technology Club
American Fisheries Society, SIU Student Subunit of Illinois Chapter
Block and Bridle Club
Collegiate FFA
Forestry Club
Horticulture Association, SIUC
Minorities in Agriculture, Natural Resources, & Related Sciences
Pre-Veterinary Club
SIU Chapter of Meeting Professionals International
Zoology Graduate Student Association

College of Applied Sciences and Arts

Aerospace Club
American Institute of Architecture Students
American Society of Interior Designers
Automotive Technology Organization
Aviation Ambassadors
Aviation Management Society
College of Applied Sciences and Arts Ambassadors
Fashion Design & Merchandising Association
Graduate Research Assistants Supporting Science
Illuminating Engineering Society
Information Systems Data
International Interior Design Association
Pre-cast, Pre-stressed Concrete Institute, SIU
Rotor and Wing Association of America
Security Dawgs
Sigma Phi Sigma Fraternity
Student Healthcare Management Association
Student Nutrition Academic Council
Women in Aviation

College of Business

Accounting Society
Alpha Kappa Psi

American Marketing Association
Blacks Interested In Business
Business Leadership Council
Financial Management Association
Graduate Business Association
Hispanic Business Association
National Association for Black Accountants
Phi Beta Lambda, Gamma Phi Chapter -
Future Business Leaders of America
Pi Sigma Epsilon, Alpha Beta Chapter
Southern Illinois Real Estate Club
Women Business Association

College of Education and Human Services

Education Graduate Students Society
Elementary Education Student Organization
Higher Education Student Association
Illinois Art Education Association
National Student Speech, Language, and Hearing Association
Organization of Sport and Exercise Science
Physical Education Teacher Education Club
Rehabilitation Association, SIUC
Social Work Student Alliance
Social Work Student Alliance, Graduate Chapter
Sport Studies Association
Student Association of Family & Consumer Sciences
Student Council for Exceptional Children
Student Leadership Program, CoE & Human Services
Student Recreation Society
Students Together Advocating Rehabilitation Services

College of Engineering

3D Design and Replication
American Society of Civil Engineers
American Society of Heating, Refrigerating and Air-Conditioning Engineers
American Society of Mechanical Engineers
Association of Technology, Management, & Applied Engineering
Audio Engineering Society, Inc., SIUC Student Section
Electronics Association (ASA)
Engineering Student Council
Engineers Without Borders - USA - SIUC
Leadership Development Program, College of Engineering
National Society of Black Engineers
SAE Saluki Baja
SIUC Society of Non-Destructive Evaluation
Society of Women Engineers
Student Chapter of the Society for Mining, Metallurgy, and Exploration (SME), Inc.
Art History Association

College of Liberal Arts

Association of Black Psychologists Student Circle
Association of English Graduate Instructors and Students
Collegiate Music Educators National Conference
Criminal Justice Association, SIU
Critical Forum: C4
Economics and Finance Association
Economics Students Association, The
Foreign Language & International Trade Club
German Club - SIUC
GIS Club
Graduate Association of Painters and Printmakers
Graduate Writers Forum
History Graduate Student Association
Hospitality and Tourism Association
Industrial Designers Society of America

Mu Phi Epsilon
 Museum Student Group
 Music Business Association
 National Communication Association Student Club
 Organization of Paralegal Students
 Philosophical Society, The
 Psi Chi, Honor Society in Psychology
 Psychology Student Association
 Public Relations Student Society of America
 Sigma Alpha Iota
 Sociology Club
 Southern Clay Works
 Southern Glassworks
 Southern Illinois Economic Association
 Southern Illinois Metalsmiths
 Spanish Club
 Undergraduate Sociology Club, The
 Undergraduate Student Anthropology Association

College of Mass Communication and Media Arts

American Advertising Federation
 Movie Camera Militia
 National Association of Black Journalists
 National Press Photographers Association at Southern Illinois
 University Carbondale
 Photogenesis
 Students in the Illinois News Broadcasting Association

College of Science

Alpha Chi Sigma, Beta Psi Chapter
 Cognitive Sciences Graduate Organization
 Math Club
 Measurement and Statistics Club
 Medprep Club
 Microbiology Student Organization
 Physics Club
 Plant Biology Graduate Student Organization
 Saluki Astronomy Association
 Saluki Science Ambassadors
 Student Researchers in Physiology and Anatomy
 Wildlife Society and Zoology Club, SIU Student Chapter of the

Constituency

Graduate and Professional Student Council
 Undergraduate Student Government
 Progressive Masculine Male
 Student Conduct Board

Entertainment

Africana Theater Laboratory
 Digital Dog Productions
 Dub Club
 Essence Fashion Models
 Fatal Fusion Dance Group, Inc.
 Film Alternatives
 Game Mechanics Research Studio
 Heavy Hitter Entertainment
 International Film Club
 Jockstar Dj Crew
 Middle Eastern Dance Enthusiasts
 Oops! Entertainment Group
 Sideshow Comedy
 Southern Illinois Dance Company
 Southern Illinois Improv Comedy
 Underground Arts Group
 Vanity Fashion Fair Models

Ethnic

Black Affairs Council
 Black Women's Task Force
 Hispanic Student Council

Latino Cultural Association
 National Black Association of Speech Language and Hearing
 Native American Student Organization, SIU
 Society of Hispanic Professional Engineers

Event Programming

Buckminster Fuller Future
 Homecoming Elections 2011
 Saluki Thon
 Student Programming Council

General Interest

Active Minds at Southern Illinois University
 Amateur Radio Club, SIUC
 American Institute of Graphic Arts Student Chapter
 American Sign Language Club
 American Society for Quality
 American Water Resources Association
 Animekai
 Architectural Resources Collaborative
 Asian Business Association
 Association for Computing Machinery
 Beautiful Faces and Fashion
 Black Graduate Student Association
 Black Male Roundtable, SIU
 Cinethesia
 Cygnets - Interest Group of Gamma Phi Omega International
 D.I.V.A.A.S (Developing and Inspiring Virtue in African American Sisterhood) Mentoring Organization
 Dairy Club
 Environmental Coalition
 Eta Sigma Phi Classics Company
 French Club
 Geography Club, The
 Geology Club
 Golf Course Superintendents Association of America, SIUC
 Student Chapter
 Hoverclub, SIU
 Illinois Professional Land Surveyors Association
 Inter-Cultural Dialogue Student Association
 Irish Studies Forum
 Minorities in Computer Science
 Minority Association for Excellence
 Model United Nations Organization
 Moonbuggy Team, SIUC
 Musicians United of Southern Illinois Carbondale
 National Wild Turkey Federation: SIU Longspurs
 Natural Girl
 People of Purpose
 PHILM: Philosophy and Film Club
 Pre-Health Professions Association
 Pre-Law Association, SIUC
 Progressive Optimistic Women Embodying Reform
 Push and Pull Press
 Restoration Club
 Robotics Club, SIU
 Saluki All Access
 Saluki CEO Corp
 Saluki Rainbow Network
 Saluki Sojourners
 Sigma Pi Theta Fraternity, Inc.
 Society for Human Resource Management
 Society of American Foresters
 Southern Illinois Culinary Club
 Southern Illinois Physical Therapist Assistants
 Speaking and Teaching
 Student Association for the Study of Esoteric Philosophies
 Student Life and Intercultural Relations
 Student Life Default

Student-Athlete Advisory Committee
 Students Against Unjust War
 The Association of Non-Traditional Students
 Uncensored
 US Green Building Council Students - SIUC
 WIDB Student Radio Station
 Women's Law Forum
 Youth in Care on Campus

Greek Letter

Alpha Gamma Delta
 Alpha Gamma Rho
 Alpha Kappa Alpha Sorority, Inc. Delta Beta Chapter
 Alpha Phi Alpha Fraternity, Inc. Beta Eta Chapter
 Alpha Tau Omega Fraternity
 Beta Theta Pi Fraternity, Zeta Omicron Chapter
 Delta Chi Fraternity
 Delta Phi Mu Sorority, Inc.
 Delta Zeta Sorority
 Farm House Fraternity
 Inter-Greek Council
 Interfraternity Council
 Iota Phi Theta Fraternity, Inc.
 Kappa Alpha Order
 Kappa Delta Chi Sorority, Inc. Alpha Omega Chapter
 Multicultural Greek Council
 National Pan-Hellenic Council
 Omega Delta, Theta Colony
 Omega Psi Phi Fraternity Inc. Omicron Theta Chapter
 Panhellenic Association
 Phi Beta Sigma Fraternity Inc. Delta Tau Chapter 1967
 Phi Kappa Tau Fraternity, Beta Chi Chapter
 Phi Mu Alpha Sinfonia, Epsilon Kappa Chapter
 Phi Sigma Kappa Fraternity
 Pi Kappa Alpha Colony, Iota Mu Chapter
 Sigma Alpha Sorority, Alpha Gamma Chapter
 Sigma Chi Fraternity, Chi Sigma Chi Colony
 Sigma Kappa Sorority
 Sigma Lambda Beta International Fraternity Inc.
 Sigma Lambda Gamma National Sorority Inc.
 Sigma Pi Fraternity
 Tau Kappa Epsilon
 Theta Xi Fraternity
 Zeta Phi Beta Sorority Inc.

Honor

Alpha Eta Rho, Sigma Chapter
 Alpha Kappa Delta
 Alpha Lambda Delta
 Alpha Zeta
 Beta Alpha Psi, Gamma Zeta Chapter
 Beta Beta Beta, Iota Zeta Chapter
 Delta Epsilon Iota Academic Honor Society, Sigma Epsilon Chapter
 Eta Kappa Nu, Lambda Epsilon Chapter
 Eta Sigma Delta: International Hospitality Management Society
 Eta Sigma Gamma, Alpha Alpha Chapter
 Golden Key International Honor Society
 Kappa Delta Pi, Delta Chi Chapter
 Lambda Nu, Illinois Gamma Chapter
 National Communication Honors Society: Lambda Pi Eta
 Omicron Tau Theta
 Order of Omega, Kappa Delta Chapter
 Phi Alpha Theta, Sigma Kappa Chapter
 Rho Lambda Honor Society
 Scholars United Making Major Impacts a Tradition
 Sigma Alpha Lambda
 Sigma Tau Delta, Rho Delta Chapter
 Students Promoting Educational Advancement and Research

Tau Alpha Pi
 Tau Beta Pi
 University Honors Leadership Organization
 Xi Sigma Pi

International

African Student Council
 Arab Student Council
 Ascend
 Bangladesh Student Association
 Chinese Student and Scholar Association
 Indian Student Association
 Institute of Electrical and Electronic Engineers
 International Student Council
 Iranian Student Association of SIUC
 Japanese Student Association
 Japanese Table
 Korean Student Association
 Kuwait Students Organization
 Latin American Student Association
 Malaysian Student Association
 Nepalese Students Society
 Saudi Students Society
 Sri Lankan Student Association
 Sudanese Student Association
 Taiwanese Student Association
 Turkish Student Association
 United Asian American Council
 Vietnamese Student Association

Leadership

Leadership Educators
 ROTC
 SIULead

Political

College Democrats
 College Republicans
 Politics and Civic Engagement Society
 Students for Peace and Democracy

Recreational

Ducks Unlimited, SIUC Chapter
 Megiste Arete Christian Fraternity
 Sailing Club, Southern Illinois Collegiate
 Saluki Cricket Club
 Saluki Swing Dance Society
 Skateboarding Society, SIU
 Strategic Games Society

Religious

Adventist Campus Ministries
 Adventist Campus Ministries Espool
 Apostolic Life Campus Ministries
 Baptist Collegiate Ministries
 Bhakti Yoga Club
 Buddhist Fellowship, The
 Campus Unitarian Universalists
 Chi Alpha Christian Fellowship
 Christian Apologetics Club, The
 Christians Unlimited
 Elogeme Adolph Christian Sorority
 Gaia House
 Hillel Foundation for Jewish Campus Life
 Intervarsity Christian Fellowship
 Latter-Day Saint Student Association
 Lutheran Student Fellowship
 Muslim Student Association
 Newman Catholic Student Organization
 Secular Student Alliance
 Vine Church

Voices of Inspiration
Wesley Student Council / Wesley Foundation

Residence Life

Black Togetherness Organization
Residence Hall Association

School of Medicine

Nursing Undergraduate Recruitment Student Education
Physician Assistant Student Organization, SIU
Public Administration Student Organization
School of Medicine First Year Class

Service

Amnesty International SIUC Group
Anthropology Graduate Student Association
Arnold Air Society
Beautify Southern Illinois Student Alliance
Childreach International, SIUC Chapter
Circle K
Colleges Against Cancer, SIUC
Construction Management Association of America
Eco Dawgs
Educ8kdz
Habitat for Humanity
iSight
Lifesavers
Local Organic Garden Initiative of Carbondale
NAACP, SIUC Chapter
Natural Areas Association, SIUC Chapter
Rotaract Club of SIUC
Saluki Heritage Interpreters
Saluki Project Ignition
Saluki Respect Life
Silver Wings
Student Alumni Council
Student American Dental Hygienists' Association
Students with Children
Successful Alluring Nurturing Knowledgeable Outstanding
Flattering Admirable
Tech Dawgs
U.S. Aquaculture Society, SIUC Subunit of
Up 'til Dawn
V-Day Task Force
Veterans' Organization, SIUC
Wishmakers on Campus Southern Illinois University Carbon-
dale Chapter

Sport Club

Aikido Club
Archery Club
Badminton Club, Southern Illinois University Carbondale
Baseball Club, SIU
Blackouts (Women's Ultimate Frisbee)
Bowling Club
Climbing Club
Cycling Club
Disc Golf Club
Equestrian Team, SIUC
Fencing club
Fitness Club
Full Tilt Ultimate Frisbee
Gymnastics Club
Kayak and Canoe Club, SIU
Kendo Club, SIUC
Lacrosse Club
Lifeguard Club
Men's Rugby Football Club
Men's Soccer Club
Officials Club, Southern Illinois University

Paintball Club
Professional Recreation Club
Quiddich
Racquet Ball
Roller Hockey Club, SIU
Saluki Bassers
Shinkendo Club, SIUC
SIU Kali/Eskrima Club
SIU Womens Rugby Football Club
SIUC Men's Basketball Sports Club
SIUC Sport Clubs
SIUC Women's Basketball Club
Softball Club
Southern Illinois University Carbondale Waterski Team
Southern Illinois University Medieval Combat Club
Striders Club
Table Tennis Club
Tennis Club
Triathlon Club, SIUC
Water Polo Club
Women's Soccer Club, SIUC
Women's Volleyball Club, SIUC Graduate and Professional

INTERCOLLEGIATE ATHLETICS

Excellence on the field of competition and in the classroom remains the standard for Southern Illinois University Carbondale's athletics program, which provides 18 sports for men and women. All intercollegiate sports compete at the NCAA Division I level, with football competing in the Football Championship Subdivision (FCS). All SIU students receive free admission to all SIU sporting events.

Sports are offered in basketball, baseball, cross country, football, golf, softball, swimming and diving, tennis, track and field, and volleyball. All Saluki sports compete within the Missouri Valley Conference (MVC), except for football, which belongs to the Missouri Valley Football Conference (MVFC), and men's swimming and diving, which competes in Mid-American Conference (MAC). The proud Saluki tradition includes many former professional and Olympic athletes as well as recent NCAA post-season appearances by men's basketball, football, softball, men's swimming and diving and men's and women's track and field. Women's track and field student-athletes have brought home five individual national championships in recent years.

Student-athletes routinely gain high marks in the classroom. During the 2011-12 academic year, 60 percent of the University's varsity sports participants earned a term grade-point average of 3.0 or above (4.0 scale). Almost nine of every ten student-athletes who complete their athletic eligibility at SIU earn their Baccalaureate degrees.

RECREATIONAL SPORTS AND SERVICES (RSS) AND THE STUDENT RECREATION CENTER

All SIU Carbondale students paying student fees have access to the 210,000 square-foot Student Recreation Center. A limited number of memberships are also available to members of the community, alumni, and special guests. Operational hours to the facility are posted on the RSS website at reccenter.siu.edu

Among the Student Recreation Center's offerings are upper and lower indoor running tracks, six multi-sport courts, a fixed-weight "selectorized" room, a free-weight room, an Olympic-size swimming pool with diving well, a climbing wall, 6 racquetball courts, 2 squash courts, cardio equipment room, and complete locker room facilities for both men and women with a sauna in each.

Recreational Sports and Services (RSS) offers a wide variety of programs and services including over 50 classes weekly for group

fitness, yoga, Pilates, and dance. Our three-tiered system keeps classes affordable. Approximately 20 of the classes you can attend are FREE. Tier II and Tier III classes have additional fees. Many of our instructional programs are offered within the tier system, but we have many instructional programs available at a low price to patrons.

Additionally, our Lifestyle Enhancement Center (LEC) offers light-weight and free weight training, massage therapy, personal training services, and fitness assessments for students and members. Please check our website for more information.

RSS is the home for many Intramural Sports as well. We have an assortment of sports for individuals, small teams, and larger teams that range from basketball to more uncommon sports and activities such as Futsal!

With the Dr. Edward J. Shea Natatorium, our Aquatics area offers swim lessons for all ages as well as safety programs that include lifeguard training, CPR and first aid classes, and much more!

RSS has program opportunities for special populations and those individuals with disabilities. We offer social opportunities, dinners, activities, and special events for targeted populations as well.

Recreational Sports and Services offers a vast array of outdoor field and recreational locations across campus. We maintain three multi-sport, lighted playfields for softball, flag football, lacrosse, soccer, and other sports. These support some of the over 35 sport clubs that compete during the fall and spring semesters. Among them are equestrian, rugby, soccer, water polo, Ultimate Frisbee, volleyball, paintball, and various martial arts.

We also have you covered with Outdoor Pursuit options as well. Our "Base Camp" provides guided trips, "how to" clinics, coordinates the climbing wall, and offers outdoor equipment rentals that include canoes, sleeping bags, and cooking and other specialized gear. Recreational facilities at SIU Carbondale's Lake-on-the-Campus include a 2-mile, lighted walking trail, a 9-hole Frisbee golf course, a boat dock with various types of boats to use for students and members, and our popular nighttime "moonlight canoeing."

RSS is very involved with student employment. Each year, we give back over \$650,000 to students at SIU Carbondale, making us the second-largest student employer on campus. We hire many of our employees in the springtime before spring semester ends and again in the late summer/early fall when students arrive. If you have an interest in student employment with RSS, please stop by the RSS Administrative Office to complete an application.

For up-to-date information and events, check us out on our website, Facebook, or Twitter. More information is available on the RSS website at: reccenter.siu.edu or call us 618-453-1277.

TOUCH OF NATURE ENVIRONMENTAL CENTER

For over 60 years, Southern Illinois University Carbondale has been home to a unique center for outdoor, environmental, and experiential learning. Known as Touch of Nature Environmental Center, it is well respected in North America for programs that emphasize both natural and human resources. With its well trained staff, its wide variety of educational, experiential, recreational, conference, and service programs, great natural setting, and its access to the University, Touch of Nature can provide a rewarding and stimulating experience for groups or individuals. Our link with Southern Illinois University Carbondale puts us in touch with all the services of a large comprehensive University. In turn, the University's link with other institutions lets us draw on a large pool of people and services. We maintain a highly qualified staff of recreation and outdoor programmers, environmental educators, and human service professionals as well as top-notch interns and fieldwork students. We also provide areas for research for SIU Carbondale students and learning opportunities for interns and fieldwork students.

Conference and Meeting Services are available for a wide variety of activities. Accommodations for over 400 people can be met in our hotel style lodge rooms, dormitories, and rustic cabins. Meeting rooms, banquet and dining rooms, classrooms, and pavilions are available to meet individual or group needs. There are recreation areas for swimming, canoeing, pontoon rides, hayrides, and trail hikes. From business meetings to weddings, Touch of Nature can provide the space, lodging and related services necessary to make your event a success in a unique and beautiful natural setting.

Therapeutic Recreation Programs and Camp Little Giant offer outdoor recreation experiences for people who have physical, developmental, or cognitive disabilities including medical needs. The goal of the therapeutic recreation program is to offer a stimulating environment, promote special relationships, and deliver safe, enriching, and fun programs year-round for people of all abilities and disabilities.

Camp Little Giant has been our most popular summer residential program for over 50 years. CLG is located on the shore of Little Grassy Lake, with access to an outdoor playground full of fun and adventure. Our philosophy is that campers "can do." We offer our campers an opportunity to maximize their own abilities and the belief that they can increase their confidence and independence. Camp Little Giant is accredited with the American Camping Association.

Environmental Education offers exciting outdoor learning experiences focusing on natural resource education, nature interpretation, and resource management. Participants are encouraged to enjoy the beauty of nature while taking a serious look at the intricate mechanisms of the natural world. Programs are designed to increase environmental awareness, appreciation and stewardship. With nature as your classroom, enjoy a program that serves your specific needs.

The Underway Outdoor Adventure program offers high adventure in the great outdoors. Our programs include team-building courses, rock climbing, high ropes courses, residential camps, survival skills and primitive courses for all age groups. These activities last from a half-day to five days. Our safe and fun programs are provided year-round and can be designed for any group such as schools, churches, colleges and universities, social agencies and private businesses.

Academic Opportunities and Recognition

RECOGNITION OF HIGH SCHOLASTIC ACHIEVEMENT

Dean's List

At the end of each semester, a dean's list is prepared. The criteria for inclusion on the dean's list is established by each of the academic units. To be recognized as being on the dean's list, you must have been in attendance full-time (12 semester hours or more) and must have earned the SIU Carbondale average for the semester, which has been specified by the academic unit. If at the end of the semester you have met the criteria established, a notation will appear on your academic record. The dean's list is recognition for a particular semester. It does not take into consideration your complete record.

University Honors Program

University Honors is a university-wide undergraduate program designed to reward SIU Carbondale's best students for their high academic achievement. The heart of the Program is the Honors curriculum: small classes, unique in character and specially designed for University Honors students by outstanding SIUC faculty. Each Honors class is limited in size to 15 students, and restricted in enrollment to Honors students only. The University allows Honors students to substitute Honors classes for any or all of their 29 semester hours of Core Curriculum requirements in Disciplinary and Integrative Studies.

The Honors Program offers one scholarship: The Albert and Leyla Somit University Honors Scholarship, which consists of a cash award of at least \$1,000. All continuing SIUC Honors Students (those who have already been in the Program for one semester) are eligible to apply for this scholarship. A criterion for this scholarship includes grade-point average and participation in the Honors Program. Scholarship applications are available in the Honors office.

Honors students are also eligible for limited seating "breakfast seminars" with visiting lecturers—question-and-answer sessions around the breakfast table morning after the speaker's public lecture. Speakers in the recent past have included archaeologists, artists, novelists, scientists, theologians—men and women such as John Updike, Ellen Goodman, Garrison Keillor, Jane Goodall, David Levy, Lou Gossett, Molly Ivins, and Calvin Trillin.

University Honors Program is currently open to entering freshmen who apply for membership with an ACT composite score in the 90th percentile or higher. Membership is also open to continuing and transfer students who apply for membership and who have a cumulative grade point average of 3.30 or better.

Retention in the University Honors Program depends on maintaining a 3.30 or better cumulative grade-point average in all course work and having no failing grades in Honors courses.

Students who successfully complete the University Honors Diploma or Certificate receive recognition on their academic record at the time the degree is recorded.

University Honors students may be exempted from all University Core Curriculum requirements if they pass all five CLEP General Examinations, before entering SIUC, with these minimum scores—natural sciences, social sciences, and humanities, 52; English Composition with Essay, 61; and mathematics, 58—and complete the Honors Program graduation option. There is no retroactive extension of the CLEP privilege. Inquiries should be addressed to:

Director, University Honors Program
Morris Library 110 Mailcode 6532
Southern Illinois University Carbondale
Carbondale IL 62901 USA
Phone: (618) 453-2824
E-mail: honors@siu.edu
Home page: <http://www.honors.siu.edu>

Academic Honors Day

Each spring semester an Academic Honors Day is held to recognize students exhibiting high academic achievement. Qualification for recognition is determined at the end of the third week of the spring semester.

Recognition at that time will be accorded to a full- or part-time student who has (1) attained an undergraduate grade point average at SIU Carbondale of 3.50 or better and, if applicable, a 3.50 average or better in all undergraduate work (including transfer credit) recognized by SIU Carbondale; and (2) reached the benchmarks of 12, 45, 75, or 105 credit hours of coursework. Such an Academic Honors student will be invited by the University to the next regularly scheduled Honors Day ceremony of that student's respective college.

Honorary Organizations.

A variety of professional, departmental, and fraternal honorary organizations offer recognition and membership based upon scholastic achievement.

The following are examples of some of these organizations: Alpha Epsilon Rho, Alpha Lambda Delta, Alpha Zeta, Beta Alpha Psi, Beta Beta Beta, Beta Gamma Sigma, Golden Key Honor Society, Eta Sigma Phi, Gamma Beta Phi, Kappa Delta Pi, Kappa Omicron Phi, Phi Alpha Theta, Pi Mu Epsilon, Pi Omega Pi, Sigma Tau Delta, Tau Beta Pi, and the Honor Society of Phi Kappa Phi. Selection to membership in these organizations is not reflected on the academic record or diploma. A complete list of organizations can be found at <http://getinvolved.siu.edu/rso-information/index.html>.

Latin Honors Recognition at the Time of Graduation.

The undergraduate student's degree honors designation is printed on transcripts and on diplomas, and is determined by first measuring the SIUC GPA against the criteria below, then the cumulative All-Work GPA calculated by SIUC from all undergraduate career work including work transferred in from other institutions.

Summa cum Laude – The Highest Honors designation awarded to graduating students with a scholastic average for SIUC work of 3.900 - 4.000 and also an All-Work GPA of 3.900 - 4.000.

Magna cum Laude – The High Honors designation awarded to graduating students with a scholastic average for SIUC work of 3.750 - 3.899 and also an All-Work GPA of 3.750 - 3.899.

Cum Laude – The Honors designation awarded to graduating students with a scholastic average for SIUC work of 3.500 - 3.749 and also an All-Work GPA of 3.500 - 3.749.

High School Advanced Placement Program (AP)

Through the High School Advanced Placement Program, high school students who are qualified through registration in an advanced placement course in their high schools or through other special educational experiences may apply for advanced placement and college credit through the Advanced Placement Program of the College Board. To receive credit, students must earn at least a grade of 3 and in some cases a 4 or 5. Transcripts from the Advanced Placement Program must be sent to Transfer Student Services, Mailcode 4725, SIUC, 900 S. Normal Avenue, Carbondale, IL 62901.

Transfer students who have AP credit transcribed as college courses from their previous institution will receive that course credit at SIU Carbondale as transfer credit.

The maximum credit granted through advanced placement examinations is thirty hours (fifteen for an associate degree). It is nonresident credit, does not carry a grade, and is not used in computing the students' grade point average. The thirty-hour

limit includes any CLEP credit or proficiency credit that has been earned.

Advanced classes, which qualify for this purpose, are offered in many high schools in specific subjects such as English composition, economics, foreign languages, history, biology, computer science, chemistry, government, mathematics, physics, and psychology. A national examination is given in each subject with the examinations administered through the Educational Testing Service. The examinations are prepared by a national committee of high school and college teachers and are intended to measure the achievement of the student and determine at what point the student should begin college work in the subject.

The credit to be granted at Southern Illinois University Carbondale is determined by the appropriate department. The credit will be validated after the student has earned 12 hours of credit with a minimum grade average of C or above in residence at SIUC. The following is a list of exams and the credit that can be received. A score of three is required unless otherwise noted.

AP EXAM	SIU COURSE	CREDIT HOURS
Art History	AD 207C	3 semester hrs
Biology	PLB 115	3 semester hrs
Chemistry (score of 3)	CHEM 200	3 semester hrs
Chemistry (score of 4 or 5)	CHEM 200 & CHEM 210	6 semester hrs
Computer Science:		
Computer Science A	CS 202	4 semester hrs
Computer Science AB	CS 202 & CS 220	8 semester hrs
Economics:		
Economics-Macroeconomics	ECON 241	3 semester hrs
Economics-Microeconomics	ECON 240	3 semester hrs
English:		
English Language & Comp (score of 3 or 4)	ENGL 101	3 semester hrs
English Language & Comp (score of 5)	ENGL 102 & ENGL 120H	6 semester hrs
English Literature & Composition	ENGL 121	3 semester hrs
Environmental Science (score of 4 or 5)	GEOG 100	3 semester hrs
Foreign Language:		
Chinese Language (score of 3)	CHIN 320A	4 semester hrs
Chinese Language (score of 4 or 5)	CHIN 320A & CHIN 390	7 semester hrs
French Language (score of 3)	FR 321	3 semester hrs
French Language (score of 4 or 5)	FR 321 & FR 390	7 semester hrs
French Literature (score of 3)	FR 311	3 semester hrs
French Literature (score of 4 or 5)	FR 311 & FR 330	6 semester hrs
German Language (score of 3)	GER 320A	3 semester hrs
German Language (score of 4 or 5)	GER 320A & GER 390A	6 semester hrs
German Literature (score of 3)	GER 385	3 semester hrs
German Literature (score of 4 or 5)	GER 370 & GER 385	6 semester hrs
Japanese Language (score of 3)	JPN 320A	4 semester hrs
Japanese Language (score of 4 or 5)	JPN 320A & JPN 390	7 semester hrs
Classical Latin Language (score of 3)	CLAS 391	3 semester hrs
Classical Latin Language (score of 4 or 5)	CLAS 391	6 semester hrs
Russian Language (score of 3)	RUSS 320	3 semester hrs
Russian Language (score of 4 or 5)	RUSS 305 & RUSS 320	7 semester hrs
Russian Literature (score of 3)	RUSS 306	3 semester hrs
Russian Literature (score of 4 or 5)	RUSS 306 & RUSS 390	7 semester hrs
Spanish Language (score of 3)	SPAN 390	4 semester hrs
Spanish Language (score of 4 or 5)	SPAN 306 & SPAN 390	7 semester hrs
Spanish Lit & Culture (score of 3)	SPAN 306	3 semester hrs
Span Lit & Culture (score of 4 or 5)	SPAN 306 & SPAN 370A	6 semester hrs
Span Lit/Sp-Am Culture (score of 3)	SPAN 306	3 semester hrs
Spanish Lit/Sp-Am Culture (score of 4 or 5)	SPAN 306 & SPAN 370B	6 semester hrs

AP EXAM	SIU COURSE	CREDIT HOURS
Government & Politics:		
Government & Politics: Comparative	POLS 250	3 semester hrs
Government & Politics: U. S.	POLS 114	3 semester hrs
History:		
European History	HIST 205A & HIST 205B	6 semester hrs
U.S. History	HIST 300 & HIST 301	6 semester hrs
World History	HIST 207A & HIST 207B	6 semester hrs
Human Geography (score of 4 or 5)	GEOG 103	3 semester hrs
Mathematics:		
Calculus AB	MATH 150	4 semester hrs
Calculus BC	MATH 150 & MATH 250	8 semester hrs
Statistics (score of 4 or 5)	MATH 282	3 semester hrs
Music (score of 4 or 5)	MUS 104A & MUS 105A	4 semester hrs
Physics:		
Physics B (score of 4 or 5)	PHYS 203A,B & PHYS 253A,B	8 semester hrs
Physics B (score of 3)	Qualify for Proficiency Exam in PHYS 203 A,B	
Physics C, Part I-MECH (score of 4 or 5)	PHYS 205A & PHYS 255A	4 semester hrs
Physics C, Part I-MECH (score of 3)	Qualify for Proficiency Exam in PHYS 205 A	
Physics C, Part II-E&M (score of 4 or 5)	PHYS 205B & PHYS 255B	4 semester hrs
Physics C, Part II-E&M (score of 3)	Qualify for Proficiency Exam in PHYS 205 B	
Psychology	PSYC 102	3 semester hrs

Further information about the Advanced Placement Program may be obtained by writing AP Services, P.O. Box 6671, Princeton, NJ 08541-6671, calling 1-888-225-5427 or email: apexams@info.collegeboard.org. The website for AP is: <http://www.collegeboard.com/student/testing/ap/about.html>.

International Baccalaureate Program (IB)

The International Baccalaureate Diploma Program sponsored by the International Baccalaureate Organization is a comprehensive and challenging two-year course of study for students of senior high school age leading to final examinations in six subject areas. The Higher Level (HL) courses represent a recommended 240 teaching hours. Students who do not satisfy the requirements of the full Diploma Program or who have elected to take fewer than six subjects are awarded a certificate for the examinations completed. SIU will award proficiency credit to students who have passed the Higher Level (HL) exams with the appropriate scores as indicated in the following chart. No credit is awarded for Standard Level (SL) courses. Upon receipt of test scores, the appropriate number of credit hours will be entered on the student's record. If test scores for new freshmen are received after orientation/registration, the student will need to work with their academic advisor to ensure duplicate courses are not taken.

For more information, please see the International Baccalaureate Organization's website at: <http://www.ibo.org>.

IB Transcripts may be ordered from the following address:

ATTN: Transcript Officer, International Baccalaureate
American Global Centre
7501 Wisconsin Ave., Suite 200 West
Bethesda, MD 20814

The transcript scores should be sent to:

Transfer Student Services
Southern Illinois University Carbondale
Student Services Building, Mail Code 4725
1263 Lincoln Drive, Room 0382
Carbondale, IL 62901

INTERNATIONAL BACCALAUREATE (IB) DIPLOMA PROGRAM EQUIVALENCY CREDIT

Course (HL-Higher Level)	Score	Course Equivalent	Hours
Group 1 Study in language and literature			
Language A: Literature	5-7	ENGL 121 The Western Literary Tradition	3
Language A: Language and Literature*	5-7	Humanities Sub 2	3
*Additional language credit may be available through departmental evaluation			
Group 2 Language acquisition			
Language AB	5-7	FR 123A,B Elementary French, SPAN 140A,B Elementary Spanish, or GER 126A,B Elementary German	8
Language B	6-7	FR 201A,B Intermediate French, SPAN 201A,B Intermediate Spanish, or GER 201A,B Intermediate German	8
Latin or Classical Greek	5-7	CLAS 130A Elementary Classical Greek, or CLAS 133A Elementary Latin	4
*Additional language credit may be available through departmental evaluation			
Group 3 Individuals and Societies			
Economics	5	ECON 113 Introduction to Economics or ECON 114 Introduction to Economics: Classroom Simulations	3
Economics	6-7	ECON 240 Introduction to Microeconomics and ECON 241 Introduction to Macroeconomics	6
Geography	5-7	GEOG 103 World Geography	3
History	5-7	HIST 112 The Twentieth Century World	3
Information Technology (ITGS)	5-7	CS 200B Computer Concepts or ISAT 229 Computing for Business Administration	3
Philosophy	5-7	PHIL 102 Introduction to Philosophy	3
Psychology	5-7	PSYC 102 Introduction to Psychology	3
Social and Cultural Anthropolgoy	5-7	ANTH 104 The Human Experience: Anthropology	3
Group 4 Experimental Sciences			
Biology	5	PLB 115 General Biology	3
	6-7	BIOL 200A Cell and Molecular Biology, Genetics and Evolution, and BIOL 200B Organismal and Ecological Biology	8
Chemistry	5	CHEM 106 Chemistry and Society	3
Chemistry	6-7	CHEM 200/201 Intro to Chemical Principles and CHEM 210/211 General and Inorganic Chemistry	8
Design Technology	5-7	IT 208 Fundamentals of Manufacturing Processes	3
Physics	5	PHYS 101 Physics that Changed the World	3
Physics	6-7	PHYS 203A,B College Physics and PHYS 253A,B Col. Physics Labs	8
Environmental Systems and Society	5-7	GEOG 100 Environmental Conservation	3
Group 5 Mathematics and Computer Science			
Mathematics	5-7	MATH 150 Calculus I	4
Further Mathematics	5-7	MATH 250 Calculus II	4
Computer Science	5	CS 202 Introduction to Computer Science	4
Computer Science	6-7	CS 202 Introduction to Computer Science and CS 220 Programming with Data Structures	8

Group 6 The Arts

Film	5-7	CP 101 Film History and Analysis	3
Music	5-7	MUS 103 Music Understanding	3
Theater	5-7	THEA 101 Theater Insight	3
Visual Arts	5-7	AD 101 Introduction to Visual Culture	3

College Level Examination Program (CLEP)

Southern Illinois University awards credit for satisfactory performance on both the General Examinations and the Subject Examinations developed and administered through the College Level Examination Program Board (www.collegeboard.com). The General Examinations cover comprehensive content of a study which would be covered by several introductory-level courses, while the Subject Examinations cover more specific content of a single college-level course.

These exams allow students who have acquired knowledge outside the traditional classroom setting - through independent study, on-the-job training, or cultural inquiry - to gain recognition of mastering college-level material by receiving introductory course credit.

Through the College Level Examination Program (CLEP) students may apply for credit, which may substitute for one or more SIU courses. Listed below are the minimum required scores and the credit awarded for each CLEP exam. The exams listed below are the only CLEP exams which will be accepted for credit.

General Exams:	Paper-Based Exam Score	Computer-Based Exam Score	Credit Awarded (semester hours)
Natural Science	52 or above ⁽¹⁾	52 or above	6 semester hours of University Core Curriculum Science credit: Science Group 1 (3) Science Group 2 (3)
Social Sciences and History	52 or above ⁽¹⁾	52 or above	6 semester hours of University Core Curriculum credit in Social Science.
Humanities	52 or above ⁽¹⁾	52 or above	6 sem. hrs of University Core Curriculum credit in Humanities or 3 sem. hrs of credit in Humanities and 3 sem. hours of credit in Fine Arts.
College Composition	61 or above ⁽¹⁾	61 or above	6 sem. hrs of University Core Curriculum English Composition (ENGL 102 and 120H).
College Composition	57 to 60 ⁽¹⁾	57 to 60	Entitles student to receive advanced placement in ENGL 120H and 6 sem. hrs of credit for UCC English Comp (ENGL 102 and 120H) upon successful completion of ENGL 120H with a grade of C or higher.
College Mathematics	58 or higher ⁽¹⁾	58 or higher	3 sem. hours of credit for Math 101, which will fulfill UCC math requirement.

Subject CLEP Exam	SIU Equivalent	Minimum Score
Composition and Literature		
American Literature	ENGL 121 (3 semester hours)	50
English Literature	ENGL 121 (3 semester hours)	50
History and Social Sciences		
American Government	POLS 114 (3 semester hours)	50
History of US I: Early Colonization to 1877	HIST 210 (3 semester hours)	50
History of US II: 1865 to present	HIST 110 (3 semester hours)	50
Human Growth and Development	SOCS SUB1 (3 semester hours)	50
Principles of Macroeconomics	ECON 113 (3 semester hours)	50
Principles of Microeconomics	ECON 113 (3 semester hours)	50
Introductory Psychology	PSYC 102 (3 semester hours)	50
Introductory Sociology	SOC 108 (3 semester hours)	50
Western Civilization I	HIST 101A (3 semester hours)	50
Western Civilization II	HIST 101B (3 semester hours)	50
Science and Mathematics		
Biology	PLB 115 (3 semester hours)	50
Calculus	MATH 110 (3 semester hours)	50
Chemistry	CHEM 106 (3 semester hours)	50
College Algebra	MATH 108 (3 semester hours)	50
Precalculus	MATH 111 (3 semester hours)	50
Business		
Financial Accounting	ACCT 220 (3 semester hours)	65
Information Systems and Computer App.	CS 200B/ISAT 229 (3 semester hours)	50
Introductory Business Law		
Principles of Management	MGMT 304 (3 semester hours)	62
Principles of Marketing	MKTG 304 (3 semester hours)	56

Foreign Languages		(Paper-Based)	(Computer-Based)
French-College Level 1	FR 123A, 123B (8 sem. hours)	42	50
French-College Level 2	FR 123A, 123B, 201A, 201B (16 semester hours)	45	59
German-College Level 1	GER 126A, 126B (8 sem hours)	36	50
German-College Level 2	GER 126A, 126B, 201A, 201B (16 semester hours)	42	63
Spanish-College Level 1	SPAN 140A, 140B (8 sem hrs)	45	50
Spanish-College Level 2	SPAN 140A, 140B, 201A, 201B (16 semester hours)	50	63

[©]CLEP Testing at DANTES Education Centers is by Paper-and-Pencil Exam Format.

If prior to taking a CLEP examination the student has received a grade (including a W or an audit) or has enrolled in college-level work in any discipline included in the CLEP exam (see below) they shall be ineligible for credit. (Military credit does not constitute prior course-work). One exception to this rule is made if the course the student took in a discipline from a CLEP exam was taken more than five years prior and no credit was awarded for the course.

The Natural Sciences examination includes the disciplines of plant biology, microbiology, physiology, zoology, chemistry, physics, geography and all SIUC University Core Curriculum science courses.

The Social Sciences and History examination includes the disciplines of western civilization, American history, Afro-Asian civilization, world history, political science, economics, anthropology, geography, sociology, social psychology, social studies, and all SIUC University Core Curriculum social science courses.

The Humanities examination includes the disciplines of literature, poetry, fiction, drama, non-fiction, creative writing, films, performing arts, art, art appreciation, art history, architecture (past and present), music: classical, modern and jazz, general humanities courses, philosophy: aesthetics, ethics, and general survey, and all SIU Carbondale University Core Curriculum humanities courses.

The College Composition examination disciplines includes rhetoric; composition, creative writing and all English prefix courses.

The College Mathematics disciplines include all college-level mathematics courses.

The Foreign Language disciplines include all college-level courses in the corresponding foreign language.

Students may be exempted from all University Core Curriculum requirements if they: (a) meet the minimum required scores for the five CLEP general examinations; Natural Sciences, Social Sciences and History, Humanities, English Composition with Essay and College Mathematics, prior to completion of 12 semester hours of college-level credit and (b) complete the graduation option of the University Honors Program. Further information is available from the director of the University Honors Program.

Transfer students who have CLEP credit transcribed as a college course from their previous institution, with the exception of English Composition, will receive that course credit at SIUC as transfer credit. Students who transfer with an AA or an AS degree from an Illinois Community College will receive credit for their English Composition CLEP if it is transcribed as a course from that institution.

CLEP credit will not be recorded on the student's SIUC transcript until the student has earned 12 hours of C grade or above in residence at SIUC.

CLEP credit may not exceed thirty hours (fifteen hours toward an Associate degree). The thirty hours also includes Advanced Placement as well as departmental and Core Curriculum proficiency exams.

CLEP credit does not apply toward the residence requirement for graduation.

For further information, students should consult with their academic advisor.

Proficiency Examinations

Through its proficiency examination program, the University recognizes the importance of providing encouragement for academically talented students. Such students are permitted to make application to demonstrate the mastery of certain courses through proficiency examinations. Application forms are available at the departmental offices.

The following general rules govern the proficiency examinations for undergraduate credit:

1. Students who believe they are qualified to take a proficiency examination should check with the department of offer-

ing the course to determine their eligibility to do so. Students scoring in the top ten percent of ACT are particularly encouraged to avail themselves of this opportunity.

2. Credit not to exceed thirty hours (fifteen hours toward an associate degree), including credit through the College Board Advanced Placement Program and the College Level Examination Program, may be earned through proficiency examinations. Credit will be considered nonresident. A combined total of 40 hours may be earned through proficiency examinations and credit for work experience.

3. All University Core Curriculum courses are available for proficiency credit, subject to specified restrictions.

4. Upon passing proficiency examinations, students are granted course credit and receive a Pass grade. Their records will show the name of the course, the hours of credit granted, and the notation "credit granted by proficiency examination." Students who fail a proficiency examination receive a Fail grade. This results in no penalty to the students. They will not receive credit and there will be no official record regarding the proficiency examination. However, the proficiency examination grade report form will be in the student's file for reference purposes.

5. Students may not take proficiency examinations for the same course more than one time. Neither may they take a proficiency examination in a course in which they have previously received a grade. Students who are registered for a course may not receive credit by proficiency examination for that course unless they withdraw from the course by the date during the semester, which would result in no course entry appearing on the transcript. This date is the end of the second week for a regular semester course, and a correspondingly shorter period for summer session or short courses. Individual departments may require the proficiency examination to be completed in advance of this date.

6. No credit granted by proficiency examinations will be recorded until the student has earned at least 12 hours of credit of C grade or above in residence at the University.

Three-Year Baccalaureate Degree Program

It is possible to complete the regular four-year baccalaureate degree program in three years by using proficiency examinations. The equivalent of one year of credit (30 semester hours) may be earned by this method. Students who wish to follow the three-year program should make that fact known to an academic advisor at the earliest possible date, so that eligibility can be determined. A combination of programs may be employed to accumulate these 30 hours, as described above in the section Credit by Means Other than Classroom Attendance.

Credit for Work Experience

Southern Illinois University Carbondale recognizes that there might well be a number of undergraduate programs for which work experience has a meaningful relationship. It therefore permits those undergraduate programs to grant credit for work experience that relates to the students' areas of specialization. The credit granted is to apply to the major program and is awarded only upon approval by the major departments. Credit earned by work experience is limited to 30 hours. Any combination of credit for proficiency examinations, AP, CLEP and work experience is limited to 40 hours. Credit granted for work experience is considered non-resident credit when granted for work that is not part of a regular instructional course. Students should consult with their major departments to see whether they approve credit for work experience.

Distance Education and Off-Campus Programs

Distance Education and Off Campus Programs extends resources to individuals both on and off campus. Administrative support services for distance education are provided through this area

for the SIU Campus. Online programs and courses, off campus programs and courses, evening and weekend courses enable educational, cultural, and physical resources of the university to be extended beyond the traditional campus.

Online, Off Campus, & Military. Quality academic programs and courses are offered via online, blended (hybrid), and face-to-face instruction at various off campus and military installations. For more information about our online programs and courses, please visit our website at: distanceeducation.siu.edu.

Contact information:
odeocp@siu.edu email
618-453-3430 phone
618-453-5668 fax
distanceeducation.siu.edu website

SPECIAL PROGRAMS

University Studies Degree Program

University Studies provides another option for earning a baccalaureate degree to students who want a broad university curriculum, do not want to specialize on the undergraduate level, and whose varied interests do not fit into a traditional discipline. Students may work toward either a Bachelor of Arts or a Bachelor of Science degree in University Studies, which will be granted by the College of Liberal Arts, ustudies@siu.edu.

Opportunities for Study Abroad

Study Abroad Programs coordinates overseas services for American students, including international grant programs, exchanges and study abroad programs. It is the central referral point for information on the student Fulbright program, Boren and Gilman Scholarships. Graduate students may also participate in inter-university international exchange programs and in travel/study programs offered during the summer and intercession period under the auspices of this division. For more information see: www.ips.siu.edu/SA

International Studies in Austria:

Consists of one or two semesters of study in German, Austrian life and culture, political science, business, fine arts and communications at the SIUC program in cooperation with Salzburg College in Salzburg, Austria. All courses, except German, are taught in English and will vary from term to term. No prior German is required, although it is recommended.

International Studies in Costa Rica:

Consists of one month intensive Spanish modules up to a full semester. A variety of classes are offered depending on the term. No prior Spanish is required. The program is offered in cooperation with Universidad Veritas in San José, Costa Rica.

International Studies in Wales:

Swansea University offers a semester or year abroad option for students interested in studying in Great Britain. Students combine a pre-session program in *British Culture & Politics* since 1945 with courses in a wide variety of disciplines during the regular semester. Swansea is a city of 250,000 located on the southern coast of Wales, approximately three hours travel from London and connected to Ireland by ferry.

International Student Exchange Program:

This exchange program is multilateral and involves one-year placements at 139 study sites worldwide. It is a one-for-one exchange plan under which students pay their normal tuition and fees, including room and board, and apply credit earned toward their degrees. There are study sites in Africa, Asia, Australia, the British Isles, Canada, Europe, and Latin America. Applicants must be mature, have a minimum grade point average of 2.75, and possess the appropriate foreign language skills.

Utrecht Network:

The Utrecht Network is a consortium of European universities that offer advanced, self-motivated students the opportunity to enroll directly in university courses abroad. The broad focus of the exchange is European Community Studies, which could appeal to students from many departments. There are institutions in Denmark, Belgium, Czech Republic, Germany, Italy, Malta, Portugal, Ireland, Austria, France, Slovenia, Sweden, Spain, Greece, Netherlands, Norway, Iceland, and Switzerland.

Bi-lateral Exchanges:

A number of bi-lateral student exchanges between Southern Illinois University Carbondale and overseas schools are coordinated either by the sponsoring academic department or by Study Abroad Programs. Sites are available in Austria, Japan, Australia, Germany, Sweden, Switzerland, and France. Eligibility requirements and application deadlines vary.

Faculty-led Programs

Faculty-led Programs are offered between sessions as well as during the summer months. Students must register three to four months before the start of the course and may earn graduate or undergraduate credit, depending on the nature of the course. Approximately fifteen offerings, ranging in length from one week to two months, are available during each academic year. Full-time faculty of SIU Carbondale teaches courses, and most do not require a specialized foreign language background. Additional information may be obtained from Study Abroad Programs.

Affiliated Programs:

The University works with a variety of study abroad providers to offer our students a range of opportunities. These include CIEE-Council on International Educational Exchange, CEA, and GlobalLinks, ISA.

External Programs:

A student may enroll in an overseas program conducted by a regionally accredited U.S. institution or an approved foreign institution and transfer the earned credit to SIU Carbondale, subject to departmental approval. Students must check with Transfer Student Services before registering, because not all programs are approved for transfer credit. Study Abroad Programs will assist in this process and provide information on external programs.

Independent Study Students:

May study abroad on an independent basis and earn credit through departmental independent study courses with the approval of the academic department. This option is normally limited to students conducting research or working on internships.

Academic Regulations and Procedures

SCHOLASTIC STANDARDS

At the end of each semester or session of attendance at SIU Carbondale an electronic grade report is prepared for each student, showing, in addition to the grades earned that semester or session, the scholastic standing and grade-point average for that semester or session and for the overall record at SIU Carbondale. It is important that students understand SIU Carbondale's system for computing grade-point averages and the various grade-point average requirements.

All grades of A, B, C, D, F and WF are used in computing grade-point averages. Each hour of these grades (1 hour of A is worth 4 grade points) is given its numerical grade point, and the total number of grade points is divided by the total number of hours to determine the grade-point average. A 2.0 (C) average is the minimum required for work taken at SIU Carbondale.

Students with a lower than a C (2.0) grade-point average who wish to transfer from one SIU Carbondale unit to another will be admitted to the new academic unit only with the permission of the dean of that unit.

Scholastic Probation and Suspension System

Students are expected to make satisfactory progress toward a degree, certificate or other approved objective. To ensure that students are making progress, their records are checked against the regulations below.

Scholastic Probation

When a student's cumulative University average falls below a C average (2.0), the student will be placed on scholastic probation. A student on scholastic probation may continue enrollment at the University provided the student is not placed on scholastic suspension, which will occur if the student's subsequent term average is below 2.0 and the student has accumulated more than 6 negative points. A student will be reinstated to good standing when the cumulative University average reaches 2.0 or above.

While on scholastic probation students may not enroll for more than 14 hours per semester unless approved to do so by the dean of their academic unit. Students employed full time may not register for more than eight hours without approval of the head of their academic unit. The academic unit within which the students are enrolled may establish other limitations. Students enrolled in programs for the military or students enrolled in programs with a weekend or evening format are not restricted to the eight-hour limit while on probation.

Transfer Students Admitted on Probation

Transfer students admitted on scholastic probation will remain in that status until they have earned at least a C average at Southern Illinois University Carbondale. If they earn below a C average for any session while on scholastic probation, they will be placed on scholastic suspension.

Scholastic Suspension

Students will be scholastically suspended from the University if they (1) fail to meet the requirements of their conditional or probational status or (2) are enrolled full time their first term of enrollment, and earn a GPA of 0.00. Students placed on Scholastic Suspension may seek reinstatement after a minimum of two semesters' interruption but must furnish tangible evidence that additional education can be successfully undertaken. Some academic units have scholastic requirements in addition to the overall University requirements listed here. Students must learn and comply with the University requirements as well as those requirements applying to individual schools and colleges.

DEGREE REQUIREMENTS

ASSOCIATE DEGREE

Each candidate for an associate degree must complete a minimum of 60 hours of credit in approved courses. Each student must complete the residency requirement by completing a minimum of 15 semester hours of technical courses within a major for the Associate in Applied Science degree at Southern Illinois University Carbondale. Each student must maintain a C average for all work taken at Southern Illinois University Carbondale. The degree-granting unit for the associate degree is the College of Applied Sciences and Arts.

BACCALAUREATE DEGREE

Each candidate for a bachelor's degree must complete the requirements listed:

Hour Requirements. Each student must complete at least 120 semester hours of credit, which can include credit for work experience, College Level Examination Program (CLEP), Advanced Placement Program (AP), military credit, and proficiency examination credit, with at least 42 semester hours (or equivalent number of quarter hours) in courses at the 300 level or above, earned at or awarded through proficiency examination from an accredited, senior-level institution. All credit granted may be applied toward the 42 hour requirement unless the credit has specifically been designated as being from a two-year college or credit has been awarded based on attendance at a two-year school. Mathematics 107 and University 388 cannot be counted in the 120 hours required for graduation.

Residence Requirements. Each student must complete the residence requirement by taking the last year, which is defined as 30 semester hours, or by having three years of credit, which is defined as 90 semester hours at Southern Illinois University Carbondale. Only credit for those courses for which the student has *registered* and for which a *satisfactory grade has been recorded* at Southern Illinois University Carbondale may be applied toward the residence requirement hours. Students enrolled in an approved program delivered off-campus will have completed the residence requirement for the University upon completion of all courses required by the program. Credit for work experience, CLEP, Advanced Placement, military credit or proficiency credit is considered non-resident.

Average Requirements. Each student must have a C average for all work taken at Southern Illinois University Carbondale and a C average for all major work taken at the University.

Forgiveness Policy. The University has adopted a policy for students whose only graduation problem concerns the C average required for all work taken at the University. Such students may ask that the average be computed by one of the following methods: (1) by excluding from calculation of the grade point average a maximum of 13 semester hours of D or F grade earned at the University or, (2) by earning a grade point average of 2.10 or higher for the last 60 semester hours of work completed at the University. The student will be graduated if the average meets either of the two alternatives. It should be noted that the two alternatives are offered as a means of computing the GPA for graduation only and may not be used for any other purpose. Major requirements, including major GPA, are not subject to this policy. However, all grades, including those designated as repeats, are included in forgiveness calculation.

Course Requirements. Each student must meet the University requirements and the requirements of the academic unit, the major, and the minor, if required. The University Core Curriculum Requirements, which are explained in Chapter 3 of the 2013-

2014 Undergraduate Catalog, total 41 semester hours of credit although there are methods available to reduce the number for certain students. The requirements of each college and for the specific major and minor programs are explained in Chapter 5 of the Undergraduate Catalog found at www.registrar.siu.edu/pdf/ugradcatalog1314.pdf.

Unit of Credit

The University is on the early semester calendar. All references to hours of credit in this publication are to semester hours unless otherwise specified. One semester hour of credit is equivalent to one-and-a-half quarter hours. One semester hour of credit represents the work done by a student in a lecture course attended fifty minutes a week for one semester, and in the case of laboratory and activity courses, the stated additional time.

Class Standing

The University requires students to earn at least 120 semester hours of acceptable credit to receive a bachelor's degree. For academic classification purposes, a freshman is a student who has completed fewer than 26 hours; a sophomore, from 26 through 55; a junior, from 56 to 85; and a senior 86 or more.

Academic Load

The University considers 12 hours as the minimum number to constitute full-time attendance. This is the figure used for enrollment reporting purposes on the undergraduate level. Academic load guidelines are as follows:

Load	Regular Semester	8-Week Summer Session
Minimum load for full time	12	6
Average load	15–16	7–8
Maximum load without dean's approval	18	9
Maximum load ¹	21	11

¹This maximum may be exceeded by very special action of the respective academic dean, and rarely more than once in the student's degree program.

Students on scholastic probation may not take more than 14 hours without approval of the dean of their academic unit. Students employed full-time at the University may not register for more than eight hours.

UNIVERSITY CORE CURRICULUM

Pat A. Manfredi, Director

The University Core Curriculum is a carefully structured and deliberately sequenced program of study required of all *SIU Carbondale* undergraduate students. The program's objectives are to develop students' abilities to communicate orally and in writing, to think mathematically, and to analyze and conceptualize effectively. The Core is grounded in the traditional arts and sciences, and fosters a life of inquiry, creativity, and civic participation. As a matter of principle, the program limits curricular choice in favor of greater conceptual coherence.

Within the first 56 credit hours, every undergraduate must take 15 credit hours of Foundation Skills in English Composition, Foundations of Inquiry, Speech Communication, and Mathematics. Most undergraduates must also take a 3 credit hour Foundations of Inquiry course. To introduce students to the universe of human knowledge, which underlies all undergraduate majors, the Core requires 23 credit hours of Disciplinary Studies in Fine Arts, Human Health, Humanities, Science, and Social Science. Finally, to emphasize the interconnectedness of our lives, culturally and intellectually, students are required to take three credit hours of Integrative

Studies in Multicultural/Diversity courses.

The University Core Curriculum is administered by a faculty director, assisted by two university-wide committees, to oversee the implementation of curricular policy as set by the Provost and the Faculty Senate. To provide quality control, all Core courses are reviewed and student learning in them assessed at least once every five semesters by the Core Curriculum Executive Council. The Core is also subject to program review on a regular schedule established by the Illinois Board of Higher Education and the Higher Learning Commission of North Central Accreditation Association.

Further information about the University Core Curriculum is available from its director and the program's webpage <http://corecurriculum.siu.edu>.

University Core Curriculum Goals

In 2005 the Association of American Colleges and Universities launched its LEAP campaign (Liberal Education and America's Promise). Central to this campaign are a set of learning objectives that SIU has adopted as its Core Curriculum Goals. For more on the LEAP campaign visit, www.aacu.org/leap

1. Knowledge of Human Cultures and the Physical and Natural World

- Through study in the sciences and mathematics, social sciences, humanities, histories, languages, and the arts

Focused by engagement with big questions, both contemporary and enduring

2. Intellectual and Practical Skills, Including

- Inquiry and analysis
- Critical and creative thinking
- Written and oral communication
- Quantitative literacy
- Information literacy
- Teamwork and problem solving

Practiced extensively, across the curriculum, in the context of progressively more challenging problems, projects, and standards for performance

3. Personal and Social Responsibility, Including

- Civic knowledge and engagement—local and global
- Intercultural knowledge and competence
- Ethical reasoning and action
- Foundations and skills for lifelong learning

Anchored through active involvement with diverse communities and real-world challenges

4. Integrative and Applied Learning, Including

- Synthesis and advanced accomplishment across general and specialized studies

Demonstrated through the application of knowledge, skills, and responsibilities to new settings and complex problems.

University Core Curriculum Requirements

I. <i>Foundation Skills</i>	15
Foundations of Inquiry.....	3
Select either UCOL 100A,B, and C or one UCOL 101 course.	
This Core Curriculum requirement applies only to on campus undergraduates, first entering SIU in Summer 2012 or later, with fewer than 26 transferable hours (excluding AP, CLEP, IB and proficiency credits). However, some programs require all students (regardless of transferable hours) to take the UCOL 101 course they offer. Students should check with their academic advisors to determine whether the program they wish to enter requires a specific UCOL 101 course.	
English Composition	6
Both English 101 and 102 are to be completed with a grade	

of C or better. English 120H, if completed with a grade of C or better, will complete the composition requirement. Linguistics 101 and 102, also to be completed with a grade of C or better, will satisfy the composition requirement for ESL students.	
Mathematics	3
Select one course from the following: MATH 101, 110. <i>Advanced University Core Curriculum courses:</i> Any mathematics course designated by a number greater than 107 except for 114, 120, and 300I.	
Speech Communication 101	3
II. <i>Disciplinary Studies</i>	23
Fine Arts	3
Select one course from the following: Architectural Studies 314I; Art and Design 100A,B, 101; Cinema and Photography 101, 354I; English 119, 206A, 307I; Foreign Language 200A,B,C; History 201; Music 103; Radio, Television, & Digital Media 362I; Theater 101. <i>Advanced University Core Curriculum courses:</i> Architectural Studies 231 and 232; Music 357A,B; Theater 220.	
Human Health	2
Select one course from the following: Biology 202; Health Education 101; Human Nutrition and Dietetics 101; Kinesiology 101; Physiology 201; Rehabilitation 205. <i>Advanced University Core Curriculum courses:</i> Allied Health 241; Kinesiology 201; Physiology 310.	
Humanities	6
Select two courses from the following or select a sequence: Art and Design 207A,B,C; Cinema and Photography 358I; Classics 230, 270, 271, 315I; East Asian . 102; English 121, 204; French 101A,B; Geology 329I; German 101A,B; History 101A,B, 358I; Linguistics 200; Mathematics 300I; Philosophy 102, 103A,B, 104, 105, 303I, 307I, 309I. Sequence I: Art and Design 207A,B,C (select two) Sequence II: English 121, 204 Sequence III: French 101A,B Sequence IV: German 101A,B Sequence V: History 101A,B Sequence VI: Philosophy 103A,B	
<i>Advanced University Core Curriculum courses:</i> Classics 304; History 207A,B; Philosophy 304, 305A or B, 340; a third semester of a foreign language or a first semester or more advanced course in Latin or Classical Greek.	
Science	6
Select one course from each group. <i>Lecture courses in . Geology must be taken with the appropriate lab course.</i> Group I: Chemistry 106; Geography 104 , 303I, 310I; Geology 111 and 112, 121 and 124, 122 and 123, 128 . and 129; Physics 101, 103. <i>Advanced University Core Curriculum courses:</i> Chemistry 140A, 200 and 201, 200H and 201; Geology 220 and 223, 221 and 224, 222 and 223; Physics 203A and 253A, 203B and 253B, 205A and 255A, 205B and 255B, 205C and 255C; 305 and 355; Science 210A. Group II: Anthropology 240A; Plant Biology 115, 117, 301I; Zoology 115. <i>Advanced University Core Curriculum courses:</i> Biology 200A,B; Microbiology 201; Physiology 201 and 208 (if not used for Human Health); Plant Biology 200; Science 210B; Zoology 118, 220.	
Social Science	6
Select two courses in <i>different disciplines</i> from the following: Agricultural Sciences 300I, Anthropology 104; . Economics 113, 114, 302I; Geography and Environmental Resources 100, 103, 300I; History 110, 112; Journalism 306I, 314I; Liberal Arts 300I; Political Science 114, . 314I, 332I, 372I; Psychology 102; Sociology 108, 306I; . Zoology 312I. <i>Advanced University Core Curriculum courses:</i> Agribusiness Economics 204; Economics 240, 241; Education 314; History 301.	
III. <i>Integrative Studies</i>	3
Students are strongly advised to complete their Disciplinary Studies courses before enrolling in the Integrative Studies courses.	
Multicultural/Diversity: Improving Human Relations	3
Select one course from the following: Art and Design 227, 267 , 307I, 317I; Africana Studies 215, 227, 303I; Anthropology 202,204; Criminology and Criminal Justice 203; Engineering 304I; English 205 and 212; . Foreign Languages and Literatures 301I; French 200; . History 202, 210, 212; Kinesiology 210; Linguistics 201, 320I; Mass Communication and Media Arts 204; Music . 203, 303I; Philosophy 210, 211, 308I; Political Science ... 215, 352I; Psychology 223, 233; Sociology 215, 223, 304I; Speech Communication 201, 301I; Women, Gender and . Sexuality Studies 200, 201, 223, 301I, 307I, 320I. <i>Advanced University Core Curriculum courses:</i> Education 311; English 225, 325; History 300, 368; Women, Gender and Sexuality Studies 225.	
Total	41
¹ All majors in the College of Engineering may satisfy the science requirement by taking two physical science courses provided that they take BIOL 202, Human Genetics and Human Health.	
Students whose catalog year is prior to Summer 2012 are not required to take a 3 credit hour Foundations of Inquiry course. These students are required to take a 3 credit hour Interdisciplinary course from the list below. Most of these courses also satisfy Core requirements in other areas, as indicated in the lists above. But no course can be used to satisfy more than one Core Curriculum requirement.	
Interdisciplinary	3
Select one course from the following: Agriculture 300I, Architecture 314I, Art and Design 307I, 317I, Cinema and Photography 354I, 358I, Classics 315I, Economics 302I, English 307I, Engineering 301I, 303I, 304I, Foreign Language 301I, Geography and Environmental Resources 300I, 303I, 310I, Geology 327I, 328I, 329I, 330I, History 358I, Journalism 306I, 314I, Liberal Arts 300I, Linguistics 320I, Mathematics 300I, Music 303I, Philosophy 303I, 307I, 308I, 309I, Plant Biology 301I, 303I, Political Science 314I, 332I, 352I, 372I, Radio, Television, & Digital Media 362I, Sociology 304I, 306I, Speech Communication 301I, Women, Gender and Sexuality Studies 301I, 307I, 320I, Zoology 312I. <i>Advanced University Core Curriculum courses:</i> Architecture 444 (minimum 3 credit hours).	
Meeting University Core Curriculum Requirements	
Core Curriculum requirements may be met by any of the following, subject to the rules and limitations listed:	
1. Completion of Core Curriculum (or Advanced Core Curriculum) courses with a satisfactory grade. Each student must complete the Foundation courses (Composition, Foundations of Inquiry, Speech, Mathematics) or their approved Advanced Core courses prior to or upon completing 56 semester hours of coursework. The student, working with the academic advisor, shall have the responsibility of meeting this requirement.	
2. Students completing the "42 Hour Block" or an AA degree in a baccalaureate-oriented program in an accredited Missouri two-year institution that participates in the 42 Hour Block program will be considered to have completed the University Core Curriculum.	

3. Transfer students may satisfy the requirements of the University Core Curriculum by successful completion of the Illinois Transferable General Education Curriculum. Transfer students who have not completed all Core Curriculum requirements prior to enrolling at SIU can have their transcripts evaluated and comparable courses will be applied toward the University Core Curriculum or the IAI General Education Core Curriculum requirements on a course-by-course basis. A student must have a minimum of 30 semester hours of transfer credit toward the satisfaction of general education requirements prior to enrollment at SIU in order to be eligible to complete the IAI GECC in lieu of the SIU UCC requirement subsequent to admission to the University.

Some programs and upper division academic units require specific Core Curriculum courses. A student may determine these requirements by referring to specific major requirements in the Undergraduate Catalog found at <http://registrar.siu.edu/>.

4. Students completing an AA or AS degree in a baccalaureate-oriented program in an accredited Illinois two-year institution will (a) be accepted with junior standing and (b) be considered to have completed the University Core Curriculum requirements (see The Compact Agreement). Associate degrees earned at other than Illinois two-year institutions will be reviewed by Transfer Student Services. If the degree is determined to be baccalaureate-oriented and to have comparable content and credit hour criteria, the same benefits will be extended to those graduates. Credit from an accredited two-year institution is limited only by

the provision that students must earn at least 60 semester hours of work at the University or at any other approved four-year institution and must complete the residence requirements for a degree from the University.

5. Students who have received a bachelor's degree from an accredited institution will also be considered to have their University Core Curriculum complete. Additional information concerning admission of transfer students and the evaluation of transfer credit can be found in the sections of this catalog pertaining to those specific programs.

6. Proficiency credit by examination for Core Curriculum courses or Advanced Core courses. All Core Curriculum courses are eligible for proficiency credit, subject to specified restrictions. Students should contact the individual department for specific information. Completion of courses listed as Advanced Core courses are limited to 12 hours.

7. Proficiency credit via General Examinations of the College Level Examination Program (CLEP) or Advanced Placement (AP). Credit given through the High School AP or CLEP examinations will be nonresident, will not carry a grade, and will not be used in computing the student's grade point average. The credit will be validated after 12 hours of C grade or better in residence at Southern Illinois University Carbondale. A \$15 charge will be assessed for proficiency examinations taken at Testing Services.

8. No Core course or Advanced Core course may satisfy more than one requirement, nor may any Advanced Core course in combination with the Core course for which it substitutes be used to satisfy a Core requirement.

List of Advanced Core Courses. The following courses for the major have been approved for the University Core Curriculum requirement. In no case does an Advanced Core course satisfy more credit hours than the credit hours allowed in a comparable University Core Curriculum course. Under no circumstances can a Core course satisfy more than one Core requirement. Students should consult their academic advisors concerning any prerequisite for these courses. A maximum of twelve semester hours of approved advanced coursework may be accepted for University Core Curriculum credit, with the exception of approved University Honors courses. A maximum of three semester hours of the University Honors Program may be accepted in each of the sub-areas of Fine Arts, Human Health, Diversity: Improving Human Relations, and Interdisciplinary; and a maximum of six semester hours of the University Honors Program may be accepted in each of the sub-areas of Humanities, Science and Social Science, subject to the advance determination by the director of the University Honors Program and the approval of the University Core Curriculum Executive Council.

Core Curriculum	Advanced Core Curriculum Courses
AD 207A	AD 358
AD 207A	AD 368
CHEM 106	CHEM 140A or 200 and 201 or CHEM 200H and 201
DH 298	DH 417
ECON 113/114	ECON 240, 241 or ABE 204
ENGL 205	AFR 325, EDUC 311, ENGL 225, 325 or WGSS 225
GEOL 111/112	GEOL 220 and 223, 221 and 224, 222 and 223 ; GEOL 113 may be substituted for any of the lab sections.
HIST 101A,B	HIST 207A,B
HIST 110	EDUC 314, HIST 301
HIST 202	HIST 368
HIST 210	HIST 300
KIN 101	KIN 201
MATH 110	Any Mathematics course designated by a number greater than 107 except for 114, 120, and 300I.
MUS 103	MUS 357A or 357B
PHIL 102	CLAS 304, PHIL 304 or 305 A and B
PHIL 104	PHIL 340

PHSL 201	PHSL 310 or AH 241
PHYS 101/103	PHYS 203A and 253A; 203B and 253B; 205A and 255A; 205B and 255B; 305 and 355.
PLB 115	BIOL 200A or B, MICR 201, PHSL 201 and 208 (if not used for Human Health), PLB 200, ZOOL 118, 220
THEA 101	THEA 220
ZOOL 115	BIOL 200A or B, MICR 201, PLB 200, ZOOL 118, 220
Fine Arts	Architectural Studies 231 and 232 or Interior Design 231 and 232
Humanities	A student may substitute up to a maximum of three credit hours with either a third semester of foreign language or a first semester or more advanced course in Latin or Classical Greek.
Science Group I	Science 210A
Science Group 2	Science 210B

Credit for Military Experience

Students who have served one or more years of active duty and received an honorable or general discharge may receive two hours of military studies credit, two hours of physical education credit, and two hours of health education credit. Service of only six months to one year may result in two hours of freshman aerospace studies or army military science credit. Completion of basic training will result in an award of two hours of physical education credit. To receive credit, students must submit a copy of the DD 214 (copy 4) document. Credit will be accepted for DANTES subject standardized courses within the limits enforced for proficiency credit. No

credit is allowed for college-level GED tests. In evaluating credit possibilities based on formal service-school training programs, the recommendations of the American Council on Education, as set forth in the US Government bulletin Guide to the Evaluation of Educational Experiences in the Armed Forces are followed. To receive credit for military service, veterans must present a copy of discharge separation papers, Joint Services transcript or transcript from the Community College of the Air Force to Transfer Student Services, Mailcode 4725, SIUC, Carbondale IL 62901. For information www.transfer.siu.edu.

Colleges, Academic Programs and Services

Pre-Professional Programs

Programs of study labeled “pre-professional” do not lead to degrees at SIUC. Pre-professional students who will be on campus for more than two years should enroll in the SIUC college of their major (e.g., College of Agricultural Sciences, College of Liberal Arts, College of Science, etc.) and list their pre-professional major as a secondary major. Students without a primary major will be enrolled as ‘undecided’ in the College of Liberal Arts (pre-law majors) or the College of Science (pre-health majors). Pre-professional programs are available in the following areas:

- Chiropractic
- Dentistry
- Law
- Medicine (including osteopathy and podiatry)
- Nursing
- Occupational Therapy
- Optometry
- Pharmacy
- Physical Therapy
- Physician Assistant
- Veterinary Medicine

The University also offers professional programs in physician assistant, engineering, and law at Carbondale, medicine at Carbondale and Springfield, dentistry at Alton, and pharmacy at Edwardsville. A traditional BSN program is offered at Carbondale and Edwardsville.

College of Agricultural Sciences

During this century, as production technology has improved, America’s agricultural jobs have made a major shift—from production on farms to the service sector in cities, suburbs, and rural communities. Career opportunities relating to the agricultural, food, and natural resource industries in the United States cover the spectrum from production and production support through many manufacturing, processing, marketing, and distributing occupations to necessary services for these industries, as well as agricultural education and communications. Opportunities for international positions are increasing rapidly. As a result, career choices related to agriculture are probably broader than in any other area of employment.

The College of Agricultural Sciences offers seven majors with specializations, three certification programs, and two program options to undergraduate students.

The curricula for these programs, which are presented on the following pages, appeal to students with widening interests and abilities in the biological, physical, and social sciences. These basic sciences come together in agriculture to solve food, fiber, environmental, and ecological problems in the local community, the state, the nation, and the world.

Agricultural Sciences Degrees Offered

Bachelor of Science degree offered in the following majors (specialization listed below each major):

Majors, Specializations, Certification Programs and Options

Agribusiness Economics¹

- Agribusiness Management and Finance
- Energy and Environmental Policy
- Farm Business Management
- Pre-law
- Sales and Marketing

Agricultural Systems and Education¹

- Agriculture Education²
- Agriculture Communications
- Agriculture Production Management
- Agriculture Systems Technology Management
- General Agriculture
- Food and Process Engineering Technology

Animal Science

- Equine Science¹
- Pre-Veterinary Medicine/Science
- Production¹

Crop, Soil, and Environmental Management

- General¹
- Science
- Soil Science, General¹
- Soil Science, Science

Horticulture

- Production Horticulture, General¹
- Production Horticulture, Science
- Landscape Horticulture¹
- Turf Management¹

Human Nutrition and Dietetics

Hospitality Tourism Administration¹

- Foodservice Management
- Lodging Management
- Tourism Management
- Event Planning and Management

Forestry

- Forest Resources Management
- Forest Recreation and Park Management
- Urban Forest Management
- Forest Hydrology

(Certification Programs for Soil Scientist, Agronomist, Crop Scientist)

¹ Capstone Option.

² Teacher Certification Program.

Facilities

The offices, classrooms, and laboratories for all programs in the College of Agricultural Sciences except Food and Nutrition are in the Agriculture Building. Food and Nutrition laboratories and classrooms are in Quigley Hall. Additional SIU Carbondale-owned facilities for teaching and research in the College of Agricultural Sciences include nearly 2,000 acres of farms and timberland, 15,575 square feet of greenhouse space, and special centers devoted to each of four species of livestock.

Accreditation

Accreditation Council for Education in Nutrition and Dietetics (Human Nutrition and Dietetics)

American Society of Agricultural and Biological Engineers (ASABE)

Council on Hotel, Restaurant, and Institutional Education (Hospitality Tourism Administration)

National Association of State Universities and Land-Grant Colleges

National Council for Accreditation of Teacher Education (Agricultural Education)

North Central Association of Colleges and Schools

Society of American Foresters (Forestry)

Graduate Programs

The College of Agricultural Sciences offers five Master of Science degrees and one Ph.D. degree. The M.S. degrees are in Agribusiness Economics; Animal Science; Food and Nutrition; Forestry; and Plant, Soil and Agricultural Systems. The Ph.D.

Degree is in Agricultural Sciences.

For more information, consult the Graduate Catalog: <http://gradschool.siu.edu/catalog.htm>

Organizations

Scholastic and professional honoraries: Alpha Zeta (agriculture), Eta Sigma Delta (hospitality and tourism), Pi Alpha Xi (floriculture and ornamental horticulture), Xi Sigma Pi (forestry).

Special interest: Alpha Gamma Rho agricultural fraternity and Sigma Alpha agricultural sorority.

College-wide: Agricultural Student Advisory Council and Agassadors® Club.

Departmental: Agricultural Systems Technology Club; Agribusiness Economics Club; Agricultural Education Club; Block and Bridle; Collegiate FFA; Equine Science Club; Forestry Club; Golf Course Superintendents of America; Hotel, Restaurant Student Association; Society of Minorities in Hospitality; Plant and Soil Science Club; Pre-Veterinary Science Club; Saluki Firedogs, Saluki Heritage Interpreters, Society of American Foresters; Student Dietetic Association, Equestrian Team, Horticulture Club; Saluki Naturalists; Rodeo Team; Student Nutrition Academic Council.

Transfer Students

If agriculture is offered for transfer credit at a regionally accredited associate degree-granting college, introductory courses in the various fields may be accepted at SIUC in lieu of equivalent courses. Transfer students interested in one of the agricultural, food, or forestry areas should take course work in the physical and biological sciences, social sciences, humanities, speech, and appropriate sequences in English composition and college-level mathematics, before entering SIUC. All agriculture majors (except hospitality and tourism) must have course work in mathematics; plant biology, zoology, or biology; chemistry; economics; and speech. Students who have an associate in applied science degree in an occupationally oriented program should inquire into the possibility of entering the College of Agricultural Sciences under the Capstone Option.

For Further Information contact:

Charlotte A. Sarao
Assistant Dean for Academic Programs
College of Agricultural Sciences Mailcode 4416
Southern Illinois University
Carbondale IL 62901-4416 USA
Phone: (618) 453-3080
charsarao@siu.edu

College of Applied Sciences and Arts

The College of Applied Sciences and Arts prepares graduates for employment at the professional, semiprofessional and technical levels in industry, the health-care professions, and business. A combination of professional, technical and University Core Curriculum courses is included in each program to provide a comprehensive preparation for professional and occupational competence.

Offices of the College of Applied Sciences and Arts schools, departments and programs are located in several buildings on the Carbondale Campus and at Southern Illinois Airport. The Automotive and Aviation programs are located at the Airport, four miles northwest of Carbondale. The University provides weekday bus service to attend classes at the Airport campus.

Accreditation

The following organizations accredit the College's program: North Central Association of Colleges and Schools, American Board of Funeral Service Education, Aviation Accreditation

Board International, Commission on Dental Accreditation of the American Dental Association, Joint Review Committee on Education in Radiologic Technology, National Automotive Technicians Education Foundation, National Architectural Accrediting Board, Council for Interior Design Accreditation, Accreditation Review Commission on Education for the Physician Assistant, American Registry of Radiologic Technologists, Joint Review Committee on Education in Diagnostic Medical Sonography, International Fire Service Accreditation Congress, and Commission on Accreditation in Physical Therapy Education. The Federal Aviation Administration certifies the Aviation Flight and Aviation Technologies Programs.

Degrees Offered

Master of Architecture
Master of Science
Bachelor of Science
Associate in Applied Science

Bachelor's Degree Programs

Architectural Studies
Automotive Technology
Aviation Management
 Aircraft Product Support minor
 Airport Management and Planning minor
 Air Traffic Control minor
Aviation Technologies
 Aircraft Product Support minor; Airframe and Power
 Plant Maintenance certificates; Aviation Electronics,
 Helicopter Maintenance and Aircraft Maintenance
 specializations
Dental Hygiene
Electronic Systems Technologies
 Electronics Management specialization
Fashion Design and Merchandising
 Fashion Design specialization
 Fashion Merchandising specialization
 Fashion Stylist specialization
Fire Service Management (off-campus only)
Health Care Management
Information Systems Technologies
Interior Design
Mortuary Science and Funeral Service
Radiologic Sciences
 Magnetic Resonance Imaging and Computed Tomography
 (MRI/CT), Medical Diagnostic Sonography (Ultra
 Sound), Radiation Therapy, and Radiography Manage-
 ment/Education options

Technical Resource Management
 Professional Construction Management specialization

Associate in Applied Science Degree Programs

Aviation Flight
Physical Therapist Assistant

Graduate Program

The College of Applied Sciences and Arts offers Master's Degrees in Architecture, Fire Service Management and Homeland Security, and Medical Dosimetry. CASA also offers the Master of Public Administration in Aviation Administration in partnership with the College of Liberal Arts.

Organizations

Honorary: Sigma Phi Alpha Honorary Society (for dental hygiene students).

Professional: Sigma Chapter of Alpha Eta Rho (international aviation fraternity), American College of Health Care Executives, American Institute of Architecture Students (AIAS), Tau Sigma Delta (School of Architecture Honor Society), Phi Beta Lambda

(Collegiate future business leaders association), Sigma Phi Sigma (mortuary science), ASA Electronics Association, SADHA - Student American Dental Hygienists Association, SAE-Society of Automotive Engineers, Automotive Technology Organization, Flying Salukis (National Intercollegiate Flying Association), Aviation Management Society, Student Chapter of the American Association of Airport Executives, Minority Aviation Council, Women in Aviation, Rotor and Wing, Professional Aviation Maintenance Association, American Society of Interior Designers (ASID), Illuminating Engineering Society (IES), SIUC Student Physical Therapist Assistants, Physician Assistant Student Organization (PASO), Fashion Design and Merchandising Organization, Tau Sigma Delta Honor Society Delta Beta Chapter.

Transfer Students

SIUC Carbondale's Transfer Student Services Office evaluates transfer credit for acceptance toward University Core Curriculum requirements after an admission decision has been made. The evaluation toward satisfying specific requirements is completed by the schools, department, or unit directing the specific curriculum. Several ASA programs have formal articulation agreements with community colleges in California, Illinois, Indiana, Iowa, Kentucky, New Jersey, North Carolina, Texas, and Wisconsin. For more information, refer to the program information in the current SIUC *Undergraduate Catalog* for a contact name, address, and telephone number.

Capstone Option

The Capstone Option is available in some majors to qualified students. This option reduces the number of University Core Curriculum from 41 to 30 semester hours.

Articulation Agreements

The College of Applied Sciences and Arts has several Articulation Agreements with community colleges located in California, Illinois, Indiana, Iowa, Kentucky, New Jersey, North Carolina, Texas, and Wisconsin. Agreements exist for the following programs: architectural studies, automotive technology, aviation management, aviation technologies, electronic systems technologies (formerly electronics management), and information systems technologies. Additionally, linkage agreements exist for dental hygiene, health care management, mortuary science and funeral service, physical therapist assistant, and radiologic sciences.

For Further Information contact

Ju An Wang, Dean
College of Applied Sciences and Arts
Southern Illinois University Carbondale
Carbondale IL 62901-6604 USA
Phone: (618) 536-6682
Fax: (618) 453-7286

College of Business

The College of Business, housed in Henry J. Rehn Hall, prepares students to perform successfully in businesses and other organizations that function in a changing social, economic, and political environment. Students find that the professional education they receive in the college is useful to businesses, governmental units, and public institutions. The advanced curriculum, technology experience, and internship programs not only are useful as educational tools but also give students a head start in their careers.

Accreditation

AACSB International – The Association to Advance Collegiate Schools of Business
North Central Association of Colleges and Schools

Degrees Offered

Bachelor of Science

Majors Offered

Accounting
Business and Administration
Business Economics
Finance
 Financial Institutions
 Financial Management
 Investments
Management
 General Management
 Entrepreneurship
 Global E-Business
 Supply Chain Management
 Personnel Management
 Management of Health Care Enterprises
Marketing

Graduate Program

The College of Business offers the Master of Business Administration (M.B.A.), Master of Accountancy (M.Acc.), and Doctor of Philosophy (Ph.D.) in Business Administration degrees.

Organizations

Scholastic and Professional: Alpha Kappa Psi (business), Beta Alpha Psi (accounting), Beta Gamma Sigma (business), Pi Sigma Epsilon (marketing), American Marketing Association (AMA).

Departmental: Accounting Society, American Marketing Association, College of Business Student Council, Financial Management Association, Blacks Interested in Business, International Business Association, Success Masters, National Association of Black Accountants.

Transfer Students

The College of Business will accept college-level credit earned in business and economics courses from any accredited two- or four-year institution toward the 120 semester hours required for graduation. *However, if such courses are offered at the lower division (freshman and sophomore) level at the institution where taken, only courses shown below will be accepted as substitutions for college-required courses.*

Courses	Semester Hours
Principles of Accounting	6.0
Economic Principles	6.0
Business/Economic Statistics	3.0
Legal and Social Environment of Business	3.0

Students may also validate additional course work; nothing in the above statement abridges a student's right to satisfy graduation requirements by proficiency (or competency examinations. Such examinations are treated as a student right by the college and are available for most courses.

For Further Information contact:

Tabitha Stone, Chief Academic Advisor
College of Business
Rehn Hall 125
Southern Illinois University
Carbondale IL 62901-4620 USA
Phone: (618) 536-4431
E-mail: tabstone@business.siu.edu
Home page: <http://business.siu.edu/>

College of Education and Human Services

The College of Education and Human Services, housed in the Wham Education Building, is the oldest unit of the University, which was originally chartered as Southern Illinois Normal University. Today the college comprises eight academic departments/units: Curriculum and Instruction; Educational Administration and Higher Education; Educational Psychology and Special Education; Health Education and Recreation; Kinesiology; Rehabilitation Institute; Social Work; and Workforce Education and Development. The College has a major responsibility in the preparation of persons for leadership roles throughout the human services professions, including those in education, health and leisure, rehabilitation, and business and industry. Students are prepared to be teachers, school and college/university administrators, therapeutic recreation specialists, speech pathologists, social workers, school and community counselors, and health educators, to name just some of our majors. We have twelve nationally accredited academic and professional programs, including our Teacher Education Program which is accredited by the National Council for the Accreditation of Teacher Education. Preparing teachers of all subjects taught in the public schools from preschool through high school is one of the special functions of the College of Education and Human Services. Its graduate offerings, however, include professional work for prospective college teachers and several specializations in school administration, counseling, and supervision. Each of the specializations in teacher education noted in this *Counselors' Advisement Catalog* has continuing approval from the Illinois State Teacher Licensure Board.

Licensure

Our Teacher Education Program is nationally recognized by The National Council for Accreditation of Teacher Education (NCATE) and all programs are approved by the Illinois State Board of Education's State Educator Preparation and Licensure Board (SEPLB).

Teacher candidates nearing completion of the teacher education program will be required to attend a student teacher orientation at the beginning of their student teaching semester at which time they will complete a Licensure Documentation Form. Teacher candidates enrolled in one of our off campus sites or student teaching at a northern Illinois or metro-east location should make sure they have filled out the form before they begin student teaching. Once the teacher candidate's degree in an approved program has posted to their transcript and they have passed all required Illinois State Board of Education tests, SIU will notify the Illinois State Board of Education (ISBE) that the candidate has completed an entitlement program. At that time, the Coordinator of Licensure will send the candidate an email and provide instructions on how to create and account and apply for license/certification directly through the online ISBE Educator Licensure System (ELS). Teacher candidates can register their license on the website at the same time.

Teacher candidates who are not United States citizens or who are unable to make application for a teaching license/certificate online will need to complete the Application for Teaching Certificate Form (ISBE form 73-03C). Those who are non-citizens, but who are in the country legally, will need to complete the Notice of Intent to Become a United States Citizen (ISBE form 73-03C) and also provide a copy of their employment authorization (Green Card).

Applicants for licensure must pass the Illinois Test of Academic Proficiency, the Illinois Content Area test for the area in which they plan to teach, and the Assessment of Professional Teaching before being granted licensure by the State of Illinois.

Students are advised to take the Illinois Test of Academic Proficiency in their freshman or sophomore year. The Illinois Content Area test must be passed before the teacher candidate is eligible to student teach. The Assessment of Professional Teaching test must be passed prior to licensure.

The State of Illinois issues, through the entitlement process, several different licenses to students who graduate from an approved teacher education program at SIU and have passed all the required tests. The areas of licensure range from early childhood through high school. The State of Illinois is currently reformulating licensure grade ranges, but general categories are the following: Early Childhood Education, Elementary, Middle Level Grades 6-8, and High School Grades 9-12. There are also some areas that will be considered "Special" and will include Grades K-12.

Accreditation

North Association for Behavior Analysis (ABA)
1219 South Park Street
Kalamazoo, MI 49001
Telephone: (269) 492-9310
url: <http://www.abainternational.org>

Commission on Accreditation of Athletic Training Education
2201 Double Creek Drive, Suite-5006
Round Rock, TX 78664
Telephone: (512) 733-9700
url: <http://www.caate.net>

Commission on Accreditation of Rehabilitation Facilities (CARF)
4891 E. Grant Road
Tucson, AZ 85712
Telephone: (520) 325-1044 or (888) 281-6531
url: <http://www.carf.org>

Council for Accreditation of Counseling and Related Educational Programs (CACREP)
101 N. Fairfax
Alexandria, VA 22314
Telephone: (703) 535-5990
url: <http://www.cacrep.org>

Council on Academic Accreditation in Audiology and Speech-Language Pathology
2200 Research Boulevard
Rockville, MD 20850
Telephone: (301) 296-5781
url: <http://www.asha.org>

Council on Education for Public Health
800 Eye Street, NW, Suite 200
Washington, DC 20001-3710

Council for Exceptional Children
2900 Crystal Drive, Suite 1000
Arlington, VA 22202-3557
888-232-7733
<http://www.cec.sped.org/>
Council on Rehabilitation Education, Inc. (CORE)
300 N. Martingale Road, Suite-460
Schaumburg, IL 60173
Telephone: (847) 944-1345
url: <http://www.core-rehab.org>

Council on Social Work Education
1725 Duke St., Suite 500
Alexandria, VA 22314-3457
Telephone: (703) 683-8080
url: <http://www.cswe.org>

Educational Leadership Constituent Council
1801 N. Moore St
Arlington, VA 22209-1813

Telephone: (703) 860-7207
url: <http://www.npbea.org>

Illinois Alcohol and Other Drug Abuse
Professional Certification Assoc. Inc.
401 E. Sangamon Avenue
Springfield, IL 62702
Telephone: (217) 698-8110
url: <http://www.IAODAPCA.org>

International Association of Counseling Services
101 S. Whiting Street, Suite 211
Alexandria, VA 22304
Telephone: (703) 823-9840
url: <http://www.iacsinc.org>

National Association for the Education
of Young Children (NAEYC)
1313 L Street, NW Suite 500
Washington, DC 20005
Telephone: (800) 424-2460 Press 3 for Academy
url: <http://www.naeyc.org>

National Council for Accreditation of Teacher Education (NCATE)
2010 Massachusetts Ave., N.W., Suite 500
Washington, DC 20036-1023
Telephone: (202) 466-7496
url: <http://www.ncate.org>

Degrees Offered

Bachelor of Science

Majors Offered

Art Education
Biological Sciences Education
Communication Disorders and Sciences
Early Childhood Education
 Preschool/Primary
 Child and Family Services
Elementary Education
English Language Arts
Exercise Science
Foreign Languages
 French
 German Studies
 Spanish
Health Education
 Community Health
History Education
Mathematics Education
Physical Education Teacher Education
Recreation
Therapeutic Recreation
Leisure Services Management
Rehabilitation Services
Social Sciences Education
Social Work
Special Education
Sports Administration
Workforce Education and Development
 Business, Marketing and Computer Education
 Family and Consumer Sciences
 Health Careers
 Technology Education
 Education Training and Development

Graduate Programs

Students can continue on the graduate level in these programs and in other areas not listed. For more specific information, a student should consult the College of Education and Human Services and the Graduate School and read the current SIU Carbondale graduate catalog.

Masters Degrees

Master of Arts in Teaching
Master of Science in Education

Major:

Curriculum and Instruction

Specialty areas in:

- Early Childhood
- Elementary Education
- Learning Systems Design & Technology
- Mathematics Education
- Reading and Language Studies
- Science Education
- Social Science Education
- Teacher Leadership

Behavior Analysis and Therapy

College Student Personnel

Communication Disorders and Sciences

Community Health (Master of Public Health)

Counselor Education

Educational Administration

Educational Administration/JD (concurrent)

Exercise Science

Health Education

Higher Education

Recreation

Rehabilitation Administration and Services

Rehabilitation Counseling

Social Work Education

Social Work

Social Work/JD (concurrent)

Special Education

Sport Studies

Workforce Education and Development

Specialty areas in:

- Career and Technical Education
- Education, Training and Development

Certificates

Gerontology

Doctoral

Ph.D. in Education:

Concentration:

Curriculum and Instruction

Specialty areas in:

- Curriculum Studies
- Early Childhood
- Elementary Education
- Learning Systems Design and Technology
- Mathematics Education
- Reading and Language Studies (including a TESOL option)
- Science Education
- Social Science Education
- Teacher Leadership

Educational Administration

Specialty areas in:

- School Administration
- Higher Education

Educational Psychology and Special Education

Specialty areas in:

- Counselor Education
- Educational Measurement & Statistics
- Special Education

Health Education

Workforce Education and Development

Ph.D. in Rehabilitation

Student Organizations

Association of Teacher Educators; Association for Childhood Education International; Business Education Students' Organization; Chi Sigma Iota; Delta Pi Epsilon; <http://www.educ8kdz.org/Educ8kdz>; Elementary Education Student Organization; Eta Sigma Gamma; Illinois Education Association; Kappa Delta Pi; National Association of Black Social Workers; National Student Speech, Language & Hearing Association; Omicron Tau Theta; Organization of Multi-Ethnic Students in Education; Phi Beta Lambda; Phi Delta Kappa; Physical Education Teachers and Coaches Organization; Pi Omega Pi; Social Work Student Alliance; Student Council for Exceptional Children; Student Leadership Program; Student Recreation Society; Students in Student Affairs.

Transfer Students

Students preparing to teach should familiarize themselves with all the requirements and prerequisites for teacher certification. Be aware that admission to the University or to an academic unit does not admit a student to the formal Teacher Education Program.

Articulation of courses (integration of required course work) with Illinois community colleges provides a way of gaining some of the clock hours before entering SIU Carbondale. Prospective students are encouraged to check for articulation of these courses before enrolling in similar community college courses. Such courses are articulated through the College of Education and Human Services and Transfer Student Services.

Students wanting to transfer occupational credit into the College of Education and Human Services should contact the chair of the Department of Workforce Education and Development for direction on how this credit might be applied toward meeting degree requirements.

For Further Information contact:

College of Education and Human Services Advisement
Chief Academic Advisor
Wham Building, Room 122, Mail Code 4601
Southern Illinois University Carbondale
Carbondale, IL 62901 USA

School of Social Work

The School of Social Work prepares students to perform successfully in public and private social-work agencies, offering a Bachelor of Science degree with a major in social work and a Master of Social Work degree. Course work presents the principles and skills of working with others who need help. The social work practice courses equip students with skills useful in preventing and treating a variety of human problems. The practice skills include data-gathering, differential assessment and planning, interaction, and evaluation. Experimental learning, simulation, role-playing, and volunteer experience are all integral to the curriculum. Students take part in a field practicum that engages them in supervised direct service activities, providing practical experience in the application of the social work theory and skills acquired in the foundation courses.

Accreditation

North Central Association of Colleges and Schools

The Council on Social Work Education (CSWE)

Accreditation
1701 Duke St., Suite. 200
Alexandria VA 22314
Phone: 703 683-8080

Organizations

The National Association of Social Workers
Social Work Student Alliance

For Further Information contact:

Academic Advisor
School of Social Work
Wham Room 122, Mail Code 4601
Southern Illinois University
Carbondale IL 62901 USA
Phone: (618) 453-6340

College of Engineering

The curricula in the College of Engineering are designed to provide instruction and to stimulate research. Attention is given to theories and their applications and to creative and practical aspects of engineering.

Accreditation

North Central Association of Colleges and Schools

ABET: The engineering undergraduate degree programs (civil engineering, computer engineering, electrical engineering, mechanical engineering, and mining engineering) are accredited by the the Engineering Accreditation Commission of ABET, <http://www.abet.org>

ABET: The undergraduate degree in electrical engineering technology is accredited by the Technology Accreditation Commission of ABET, <http://www.abet.org>

Association of Technology, Management, and Applied Engineering
(Industrial Technology Programs)
3300 Washtenaw Ave., Suite. 220
Ann Arbor MI 48104-4200
Phone: 734 677-0720

Degrees Offered

Bachelor of Science

Majors Offered

Civil Engineering
Environmental Engineering (specialization)
Computer Engineering
Computer Engineering and Electrical Engineering
Dual major
Electrical Engineering
Engineering Technology
Electrical Engineering Technology (specialization)
Industrial Technology
Manufacturing Technology (specialization)
Mechanical Engineering
Mining Engineering
Geological Engineering (specialization)

Graduate Programs

Master's degree work is available in civil engineering, biomedical engineering, electrical engineering, quality engineering and management, mechanical engineering, and mining engineering. Ph.D. programs in engineering science and in electrical engineering and computer engineering are also available. For specific information concerning advanced degree work, consult the College of Engineering, the Graduate School, and the current SIUC graduate catalog.

Transfer Students

Students should note that the minimum mathematics requirement for bachelor's degrees in the College of Engineering would vary, depending on the curriculum followed. Prospective transfer students should study the following pages carefully. Students planning to transfer occupational credit toward a degree in industrial technology should consult the SIU Carbondale Department of Technology concerning the applicability of such credit toward meeting degree requirements.

Graduates of occupationally oriented programs should inquire into the possibilities of entering the College of Engineering in the industrial technology major under the Capstone Option. Requirements of this special program can be found in the section titled "The Capstone Option".

For Further Information contact:

Jenise Wilson
Chief Academic Advisor
College of Engineering
Southern Illinois University
Carbondale IL 62901-6603 USA
Phone: (618) 453-2261

College of Liberal Arts

The College of Liberal Arts offers the following majors leading to the Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Music or Bachelor of Science degrees. Minors are possible in most of these areas.

Africana Studies
American Studies¹
Anthropology
Art
Asian Studies¹
Chinese¹
Classical Civilization¹
Classics
Criminology and Criminal Justice
Design
East Asian Civilization¹
Economics
English
Foreign Language and International Trade
Foreign Languages and Literatures
Forensic Science¹
French
Geography and Environmental Resources
German Studies
GIS¹
Global Studies¹
Greek¹
History
International Studies
Japanese¹
Latin¹
Latino and Latin American Studies¹
Linguistics
Mathematics
Museum Studies¹
Music
Native American Studies¹
Paralegal Studies
Peace Studies¹
Philosophy
Political Science
Psychology
Russian¹
Sociology
Spanish
Speech Communication
Sustainability¹
Theater
University Studies²

¹ Minor only.

² University Studies students seeking the B.S. degree are not required to complete one year of a foreign language (College of Liberal Arts Requirement).

To receive a degree from the College of Liberal Arts students must fulfill the following.

1. University requirements including those relating to University Core Curriculum, residency, total hours completed, and grade point average.
2. College of Liberal Arts academic requirements:

a. Writing: (i) one English Composition course at 200-level or higher (ENGL 290, LING 290, ENGL 291, ENGL 390, ENGL 391, ENGL 392; creative writing courses may not be used to fulfill this requirement) and one approved writing-intensive course designated by the major department as fulfilling the Writing-Across-the-Curriculum (WAC) requirement; or (ii) two approved writing-intensive courses designated by the major department as fulfilling the Writing-Across-the-Curriculum (WAC) requirement.

b. Foreign Language: A minimum of one year (two courses) or higher of one foreign language, satisfaction by coursework or exam. Students may not use the same language course to fulfill requirements in both the University Core Curriculum and the College of Liberal Arts. International students who have met the Office of International Admissions competency requirement may satisfy this requirement with their native language by providing a secondary school certificate from their native country. (Bachelor of Fine Arts degree students in Art, Bachelor of Fine Arts degree students in Musical Theater, Bachelor of Music degree students and Bachelor of Arts degree students in Music Business Specialization do not have to fulfill the foreign language requirement.)

c. International Coursework: Successful completion of 2 courses providing a global or comparative perspective on the world, and selected from the 30+ courses from ~12 disciplines listed in Section A of the Global Studies Minor [<http://cola.siu.edu/academics/undergraduate/global-studies/index.html>] (or comparable list of the International Studies major/minor). Some courses may be used to fulfill the international coursework requirement as well as a University Core Curriculum requirement. (Bachelor of Fine Arts degree students in Art, Bachelor of Fine Arts degree students in Musical Theater, Bachelor of Music degree students and Bachelor of Arts degree students in Music Business Specialization do not have to fulfill the International coursework requirement, though they are strongly encouraged to take Core Curriculum courses that would also meet the requirement.)

3. Completion of an approved major in the College of Liberal Arts.

4. Completion of a minimum of 39 hours of course work at the 300- or 400-level.

Liberal arts major requirements provide for a number of elective courses, giving students maximum flexibility in planning their overall program of study at the University. To assist students in planning their programs, the college maintains an academic advisement office in Faner Hall 1229, as well as faculty advisers in each department. Students are urged to consult these academic advisers on how they can best use their electives to fulfill their intellectual interests and to prepare for particular career opportunities. A carefully planned minor or second major field can lead to additional career opportunities for the liberal arts major. Students who are planning to attend graduate school or one of the professional schools such as law or medicine should consult with their advisers on how best to plan their undergraduate curriculum.

Pre-Law

The College of Liberal Arts has a pre-law designation to identify and assist students interested in pursuing a career in the law

and/or enrolling in law school. Students planning to apply to law school may select any major course of study and, because their undergraduate grades are important in the law school application process, they are encouraged to select a major in which they can perform very well.

Applying to Law School

Students who plan on applying to law school will need to take the Law School Admission Test (LSAT) sometime during their junior or senior year. The LSAT is administered by a company called Law Services and is offered at SIU Carbondale. A practice LSAT is offered by SIU Testing Services and the SIU Division of Continuing Education offers a LSAT preparatory course. Students who perform exceptionally on the LSAT may, subject to certain conditions, enroll and be admitted into the SIU School of Law as a junior.

Information about the LSAT and the law school application process can be obtained from advisors in the College of Liberal Arts (CoLA) Advisement Office (Faner 1229), or from the SIU School of Law Office of Admissions and Student Affairs at: www.law.siu.edu.

Student Organizations

Students interested in a career in the law and/or enrolling in law school can join the Pre-Law Association, a registered student organization that schedules speakers and events related to a legal career. Students are encouraged to visit the Pre-Law Association website at www.prelaw.rso.siu.edu. In conjunction with the Pre-Law Association, the Department of political science sponsors an annual moot court competition for pre-law students that are held in conjunction with the Model Illinois Government simulation.

Suggested Courses

Students interested in pursuing a legal career should recognize that certain courses available in the College of Liberal Arts might be helpful in preparing either for the LSAT, the study of law, and/or a career in the law.

For example, the Paralegal Studies program is one course of pre-law study in which a student takes a variety of legal courses including legal writing and research, civil procedure and torts. Students in the Political Science program can declare a pre-law specialization within their major, which includes courses in administrative law, civil liberties and constitutional law.

Any course, however, that develops or improves a student's analytical reasoning, reading comprehension, logical reasoning, or writing skills will be beneficial for the LSAT, the study of law, and/or a career in the law. Development or improvement of oral communication skills, which are currently not tested on the LSAT but are very important for the study of law or a legal career, is also strongly recommended.

A list of courses that offer the opportunity to improve or develop these skills appears below. This is not an exhaustive list. With some exceptions, students do not need to be enrolled in a particular major to take any or all of these courses. Students who are not in a CoLA program, therefore, are strongly advised to take one or more of these courses to supplement their studies. For more information about these courses, contact an academic advisor in the CoLA Advisement Office. Anthropology 202, 298, 370, 410A and 410E; Criminology and Criminal Justice 203, 310, 320, 374 and 408; Economics 240, 241, 340 and 341; English 290, 291, 300, 391 and 491; History 330A, 400, 450B, 467A-B, and 490; Linguistics 104, 200, 201 and 415; Philosophy 105, 309I, 320, 344 and 441; Political Science 332I, 334, 435, 436, and 437; Psychology 211, 223, 301, 304, 311, 431 and 420; Sociology 308, 312, 372, 424, and 473; Speech Communication 221, 310, 325, 326, 411, 421 and 463.

For Further Information contact:

College of Liberal Arts
Southern Illinois University
Carbondale IL 62901-4522 USA
Phone: (618) 453-2466

College of Mass Communication and Media Arts

The College of Mass Communication and Media Arts is comprised of three academic units:

Department of Cinema and Photography
Department of Radio, Television, & Digital Media
School of Journalism

Complete information about the programs offered in each of these academic units is provided under the departmental description in the current SIUC Undergraduate Catalog and on our website: mcma.siu.edu.

Opportunities for practical learning in real world settings include student employment at the *Daily Egyptian*, a student-run newspaper with a circulation of 27,000, a PBS television station, and an NPR radio station, all housed in the College. The *River Region Evening Edition*, a live newscast aired on PBS, is produced entirely by students under the supervision of a faculty member.

Students who wish to explore any or all of the three academic majors in the college may apply for admission in the "Mass Communication and Media Arts, Undecided" classification. This gives them access to the beginning courses in cinema, photography, journalism, and radio and television.

Faculty members in the college are nationally recognized for their research and creative activities. Students learn hands-on skills in media making in video, film, photography, sound, and state of the art computer courses and facilities. They can gain practical experience through *Unleashed* magazine, WSIU Public Broadcasting's television and radio stations, the student-run Big Muddy Film Festival, and the Emmy award-winning AltNews 26:46 news magazine.

Students may choose to apply for a wide variety of internship opportunities, including residential Studies programs in Hollywood, New York City, Nashville, Tennessee, and Washington D.C., as well as the nonresidential Chicago Studies program. MCMA is a participant in the SIUC Alumni Association Extern program which places students in week-long shadowing opportunities during spring break. The College holds a number of special events every year including the Big Muddy Film Festival, a September Seminar in Photojournalism, a Visiting Artist Series and the Global Media Research Center speaker series.

Degrees Offered

Bachelor of Arts

Cinema and Photography

Specializations in:

Cinema Production

Cinema Studies

Commercial Photography

Fine Arts Photography

Radio, Television, & Digital Media

Specializations in:

Digital Media Arts and Animation

Electronic Journalism

Electronic Sports Media

Media Industries

Radio/Audio Production

TV-Video Production

Bachelor of Science

Journalism

Specializations in:

Advertising

News Editorial

New Media News Producer

Photojournalism

Sports Media

Master of Arts
Mass Communication and Media Arts
Master of Fine Arts
Mass Communication and Media Arts
Master of Science
Mass Communication and Media Arts
Doctor of Philosophy
Mass Communication and Media Arts

For specific information about graduate work, students should consult the Graduate School and the college's director of graduate studies.

For Further Information contact:

Recruitment Coordinator
College of Mass Communication and Media Arts
Southern Illinois University
Carbondale IL 62901-6606/ Ph.: (618) 453-4308

College of Science

The College of Science offers majors, and in most cases minors, leading to Bachelor of Arts and/or Bachelor of Science degrees, in the following fields of study:

Biological Sciences
 Biomedical Sciences Specialization
 Ecology Specialization
 Biology Education Specialization
Chemistry
American Chemical Society Certification
 Biochemistry specialization
 Business specialization
 Environmental specialization
 Forensic specialization
Computer Science
 ABET Certification
Geology
 Geology specialization
 Environmental Geology specialization
 Geophysics specialization
 Resource Geology specialization
Mathematics
Microbiology
Physics
 Computational Physics
 Material and Nanophysics
 Biomedical Physics
Physiology
Plant Biology
 Ecology Specialization
 General Plant Biology
 Molecular & Biochemical Physiology Specialization
 Systematics & Biodiversity Specialization
Zoology
 Animal Biology
 Environmental Sciences
 Fisheries Management and Biology
 Pre-Veterinary Medicine
 Wildlife Management and Biology

Pre-professional programs are offered in the following areas:

Chiropractic
Dentistry
Medicine
Nursing
Occupational Therapy
Optometry
Pharmacy
Physical Therapy
Physician Assistant

Podiatry
Veterinary Medicine

Academic Requirements

Taking the required courses on a Pass/Fail basis may satisfy none of the general academic requirements.

Biological Sciences

Students must complete six semester hours in courses offered by the biological sciences departments in the college. Although these courses may be substituted for the University Core Curriculum requirements, the biological sciences requirement cannot be satisfied by University Core Curriculum courses.

Supportive Skills

Two courses, totaling at least six credit hours, must be completed as supportive skills. Supportive skills courses are courses in communication or computation skills, which have been approved by the major program, and they must be chosen from the following subject areas: (a) foreign language; (b) English composition or technical writing; (c) statistics; or (d) computer science. Students may not fulfill this requirement with courses offered by the student's major department or program. Because departments have different supportive skills requirements, students should consult individual program descriptions for approved courses for each major.

Mathematics

The mathematics requirement can be met by passing either Mathematics 108 and 109, or 111, or 141 or 150 or equivalent.

Physical Sciences

Students must complete six semester hours in courses offered by the physical science departments of the college. Although these courses may be substituted for the University Core Curriculum requirements, the physical sciences requirement cannot be satisfied by University Core Curriculum courses.

Pre-Health Professional Programs

SIU Carbondale admits students with majors in pre-chiropractic, pre-dentistry, pre-medicine, pre-occupational therapy, pre-optometry, pre-physical therapy, pre-physician assistant, pre-podiatry, and pre-veterinary. These are not degree programs, but indicate the student's plans upon completion of the baccalaureate degree.

Therefore, students should declare a degree-oriented major as soon as possible. They will complete their degree requirements and fulfill additional professional school requirements with the guidance of the Health Professions Advisor (located in the College of Science). Students who choose to pursue these careers must be dedicated and have good academic ability in both the sciences and humanities.

SIU Carbondale does not have Schools of Nursing or Pharmacy (which are both found on the SIUE campus). Students wishing to prepare for these professional programs should declare a pre-nursing or pre-pharmacy program. Pre-nursing students may apply to be accepted after one to three semesters and pre-pharmacy students after two or more years of rigorous coursework at SIU Carbondale.

For Further Information contact:

Dean
College of Science
Mail Code 4403
Southern Illinois University Carbondale
Carbondale IL 62901 USA
Phone (618) 536-6666
E-mail: science@cos.siu.edu

University College

The University College is a comprehensive administrative structure designed to promote student engagement, connection and investment in the university community. By focusing on student learning through intentional, holistic, and student-centered programs and services, the University College provides a pathway to guide new students in the development of academic and personal skills essential for student success. The University College welcomes and orients new students to campus, and helps them maximize their university experiences and fully engage with the university community through becoming lifelong, self-directed learners.

Several departments and programs are part of the University College. These include:

Career Services

Career Services is available to assist students as they explore their career options and develop their job search and interviewing skills. Services include individual career advising, professional development seminars, career interest assessments, mock interviews, access to Saluki Recruiting (an on-line job search database), various career fairs, writing professional job search correspondence, and developing networking strategies. Career Services provides a computer lab available for resume creation, exploration of majors and occupations, and researching job and internship opportunities.

For more information, contact Career Services at (618) 453-2391 or visit us online at <http://www.careerservices.siu.edu>,

Core Curriculum

The University Core Curriculum is a carefully structured and deliberately sequenced program of study required of all SIU Carbondale undergraduate students. The program's objectives are to develop students' abilities to communicate orally and in writing, to think mathematically, and to analyze and conceptualize effectively. More information on Core Curriculum can be found in the Undergraduate Catalog at <http://registrar.siu.edu/pdf/ugradcatalog1314pdf>.

Exploratory Student Advisement-Provisional

Exploratory Student Advisement-Provisional (EXPP) offers comprehensive support services to a select group of entering freshmen through academic advisement, mentoring, tutorial assistance, study/learning skills, and career counseling. For additional information, contact Exploratory Student Advisement (ESA) at (618) 453-4351 or visit us online at www.exploratory.siu.edu. We are currently located in Woody Hall C-117. During Fall 2013, ESA will be relocated to the New Student Services Building-1st floor.

Exploratory Student Advisement-Undeclared

Exploratory Student Advisement (EXPU) is the academic home of students who are in the process of deciding on a major. This department provides students the opportunity to gain information about various majors and careers before committing to one major. Because students in EXPU are completing University Core Curriculum requirements, their participation in this program does not lengthen their time to degree nor does it add to the cost of their education. Professional academic advisors will help students explore and select majors in relation to their interests and abilities. Career counseling is available. Exploratory Student Advisement is located in Woody Hall, C-117. Call (618) 453-4351 for information. During Fall 2013, ESA will be relocated to the New Student Services Building-1st floor.

First Scholars Program

First Scholars, a scholarship program designed to help support first-generation college students as they make the transition to college and throughout their undergraduate career, is open to incoming first-time, full-time freshmen whose parents have no more than two years of education beyond high school and no post-secondary degree. Selected students create an individual plan for success with the program coordinator; and will be required to participate in a variety of group activities tailored to enhance their college experience. If program requirements continue to be met, this scholarship can be renewed for up to three additional years.

Learning Support Services/Tutoring/Testing

Learning Support Services (LSS), is one of many programs offered by SIU to enhance the student-learning environment and to promote the academic success of students. LSS is currently offering assistance in a select number of core and other courses. These study sessions are free of charge, and many students find them fun as well as productive to their understanding of course material. Because assistance is provided directly through the course, students need to attend class in order to be in contact with the Learning Support Peer (LSP- an undergraduate student who previously has been successful in the same course).

This is helpful to find out when and where the LSS sessions for that class are being offered. LSS is not a substitute for class attendance; but a supplement for better understanding of course materials. There are three programs within Learning Support Services: Group Study Leaders, Academic Coaches, and Math Tutors.

Assistance begins early in the semester. The Group Study Leader (GSL) offers two study sessions per week. The GSL attends class just as regularly enrolled students do, so they know exactly where students are in the course material. During the study session, students work with one another as they learn various study strategies that will promote their overall success in the course. For the best results, students are encouraged to attend at least one session per week throughout the entire semester. Special study sessions are offered prior to exam days.

Along with assisted learning from our LSPs, Learning Support Services also offers Academic Coaching and Math Tutoring. Academic Coaches are undergraduate students who have succeeded in a particular course or range of courses. An Academic Coach meets one-on-one with students to help them with targeted course material as well as any other academic need (i.e., help with study skills, test preparation, etc). Math Tutoring is offered in Morris Library, as well as in the lower level of Trueblood dining hall throughout the week for students. Math Tutors vary in areas of specialty so contact LSS for the tutor who best fits your academic needs.

Learning Support Services also serves as a regional testing center and offers undergraduate/graduate admission tests as well as academic placement, proficiency, and other specialized tests.

LSS has been shown to help students increase their grades in difficult college courses by one-half to one full letter grade. Please contact LSS at (618) 453-2925 for more information or visit us online at tutoring.siu.edu.

New Student Programs

New Student Programs is responsible for providing programs to assist new students (freshman and transfer) and their families with their transition to all aspects of campus life. We offer a variety of programs described below to enhance this transition.

New Student Orientation

New Student Orientation (NSO) offers students the opportunity to meet with their academic advisor, register for classes, connect with other new and current students, and meet faculty and staff. You will learn about the City of Carbondale, as well as about the resources in place to help students succeed both inside and outside of the classroom. Students who attend orientation tend to have higher first-semester GPAs and feel better prepared to begin their academic careers at SIU. Therefore, attendance at New Student Orientation is required for freshmen and highly recommended for transfer students. Students leave NSO with everything in place and eager to start classes, including Financial Aid, Academic Advisement, University Housing, and other essentials such as Parking, Textbook Reservations, Immunizations, Student ID, banking, and much more, all in ONE location. Families leave NSO feeling excited about their student's decision to attend SIU. Visit us online at orientation.siu.edu.

Saluki Startup

Saluki Startup offers educational and entertaining activities prior to the beginning of the semester to help students start the academic year on the right foot. Saluki Startup helps students learn more about what it takes to be a successful college student, gives them the opportunity to meet other students, faculty, staff, and community members, and gets them excited for the semester to begin! For more information, visit salukistartup.siu.edu.

Week of Welcome

Held during the first week of the fall semester, multiple activities are offered to welcome both new and returning students to campus. For more information, visit wow.siu.edu.

Saluki Family Association

Membership in the Saluki Family Association has its rewards. Take advantage of our vast array of resources, ongoing communication and information focused on supporting students at SIU. We offer Saluki Family Weekend and many other important ways to engage families in the SIU experience. Visit salukifamily.siu.edu for more information.

Saluki Peer Mentors

Saluki Peer Mentors are specially trained upper-class students who serve as peer leaders to help new students learn about the campus and its programs and services. These student leadership positions vary based on the event or program, but the focus remains on the successful transition of students at SIU. For more information, visit salukipeers.siu.edu.

Saluki First Year

First-year students at SIU will benefit from the many resources and supportive community that will help guide them through their transition to campus life. Their Saluki First Year experiences will also help them lay a solid foundation for their continued academic and social success. University College helps students get the most from their Saluki First Year experience by offering resources to help students succeed in their classes, encouraging them to participate fully in various activities, and connecting them to the campus community. University College services include keeping first-year students aware of upcoming programs and important deadlines, organizing social and academic events, coordinating tutoring, and offering classes that teach academic and personal skills essential to success. More information available online at firstyear.siu.edu.

Student Support Services

Student Support Services provides comprehensive services to a select group of undergraduate students who meet specific

educational and financial criteria. Services include peer academic coaching and mentoring, academic advisement, workshops, financial aid counseling, and other support services designed to help the students excel in their academic studies, graduate, and reach their career goals.

University Honors Program

The University Honors Program (UHP) is a university-wide undergraduate program intended to reward SIU's best students for their high academic achievement. It provides students a taste of the private-college experience at a state-university price. The heart of the UHP is its curriculum of small classes, unique in character and specially designed for UHP students by outstanding SIUC faculty, to satisfy requirements in the University Core Curriculum as well as in the student's major. More information on the University Honors Program can be found in Chapter 5 of the Undergraduate Catalog at registrar.siu.edu/pdf/.

The Graduate School

The Graduate School is concerned with graduate instruction and research at SIUC, and therefore plays an essential role in developing instructional and research programs, acquiring funds, and procuring facilities to encourage and support research by members of the scholarly community. Through students who meet the Graduate School's high standards of academic achievement, and faculty and students who achieve significant advances in their research, the Graduate School makes its contribution to the public welfare here and throughout the world.

The Graduate School offers master's degrees in over 70 programs and doctoral degrees through 31 programs. Under the leadership of a graduate faculty of over 900 members, research and study by approximately 4,000 graduate students is promoted. The School of Law and School of Medicine provide graduate students with excellent opportunities to work with faculty members and students in those professions.

Master's degrees are available in the major fields listed below:

Accountancy (M.Acc.)
Advanced Energy and Fuels Management (P.S.M.)
Agribusiness Economics
Animal Science
Anthropology
Applied Linguistics
Architecture (M.ARCH)
Art (M.F.A.)
Art History and Visual Culture
Behavior Analysis and Therapy
Biological Sciences
Biomedical Engineering (M.S., M.E.)
Business Administration (M.B.A.)
Chemistry
Civil Engineering
Communication Disorders and Sciences
Community Health Education (M.P.H.)
Computer Science
Creative Writing (M.F.A.)
Criminology and Criminal Justice
Curriculum and Instruction (MSED, MAT)
Economics
Educational Administration
Educational Psychology
Electrical and Computer Engineering
English
Fire Service and Homeland Security Management
Food and Nutrition
Foreign Languages and Literatures

Forestry
 Geography and Environmental Resources
 Geology
 Health Education
 Higher Education
 History
 Kinesiology
 Legal Studies (M.L.S.)
 Mass Communication and Media Arts
 (M.F.A, M. A., M. S.)
 Mathematics
 Mathematics and Science Education
 Mechanical Engineering
 Medical Dosimetry
 Mining Engineering
 Molecular Biology, Microbiology, and Biochemistry
 Molecular, Cellular and Systemic Physiology
 Music (M.M.)
 Pharmacology and Neuroscience
 Philosophy
 Physician Assistant (M.S.P.A.)
 Physics
 Plant Biology
 Plant, Soil, and Agricultural Systems
 Political Science
 Psychology
 Public Administration (M.P.A.)
 Quality Engineering and Management
 Recreation
 Rehabilitation Administration and Services
 Rehabilitation Counseling
 Social Work (M.S.W.)
 Sociology
 Special Education
 Speech Communication
 Teaching English to Speakers of Other Languages
 Theater (M.F.A.)
 Workforce Education and Development
 Zoology

Doctoral degrees are available in the fields listed below:

Agricultural Sciences
 Anthropology
 Applied Physics
 Business Administration
 Chemistry
 Computer Science
 Criminology and Criminal Justice
 Curriculum and Instruction
 Economics
 Educational Administration
 Educational Psychology
 Electrical and Computer Engineering
 Engineering Science
 English
 Environmental Resources and Policy
 Health Education
 Historical Studies
 Mass Communication and Media Arts
 Mathematics
 Molecular Biology, Microbiology and Biochemistry,
 Molecular, Cellular and Systemic Physiology
 Pharmacology and Neuroscience
 Philosophy
 Plant Biology
 Political Science
 Psychology
 Rehabilitation
 Sociology

Speech Communication
 Workforce Education and Development
 Zoology

The Graduate School, as a part of Southern Illinois University, Carbondale, is fully accredited by the North Central Association of Colleges and Schools and by various other professional and academic accrediting organizations. Information on specific graduate programs can be obtained by contacting the appropriate department directly. Information on non-declared (non-degree program affiliated) status can be obtained by contacting the Graduate School, SIUC, Carbondale, Illinois 62901-4716. Telephone: (618) 536-7791. Website: <http://www.gradschool.siu.edu/>

Concurrent Degree Programs

M.B.A. and Mass Communication and Media Arts
 M.B.A. and Agribusiness Economics
 J.D./M.B.A. (Law and Business Administration)
 J.D./M.Acc. (Law and Accountancy)
 J.D./M.P.A.D. (Law and Public Administration)
 J.D./M.S.W. (Law and Social Work)
 J.D./Ph.D. (Law and Political Science)
 J.D./M.S. (Law and Educational Administration)
 J.D./M.S. (Law and Electrical & Computer Engineering)

School of Law

Southern Illinois University School of Law offers programs that lead to Juris Doctor (J.D.), Master of Legal Studies (M.L.S.), and Master of Laws (LL.M) degrees. Students who attend the School of Law can expect to receive an outstanding legal education in a supportive learning environment. Our students receive individual attention from professors and administrators who genuinely care about their success, and our graduates are well-prepared for a changing legal profession in a global environment.

Our faculty members are drawn from distinguished practice and academic settings, and are known not only for being engaged scholars in their specialized areas of expertise, but also for their commitment to outstanding teaching which emphasizes educational innovation. Students who attend SIU School of Law receive an optimal mix of theoretical and practical education in the classroom and clinical environments.

The first-year curriculum in the J.D. program builds a strong foundation through a combination of core law courses and a Lawyering Skills Program that includes legal research and writing, interviewing, counseling, negotiation, and oral advocacy.

Second and third-year law students may select courses from a full range of subject areas. They can also enroll in a variety of experiential learning opportunities including: clinical and/or externship programs through which they earn course credit while assisting actual clients under the supervision of licensed attorneys; a Semester-in-Practice Program that allows them to combine a substantial externship with courses related to a particular field of study, (e.g., Law & Government in Springfield, IL; Criminal Trial Practice in Chicago, IL; Health Law & Policy in Springfield, IL); and pro bono projects such as the Immigration Detention Project and the Illinois Innocence Project.

Upper-level students also have a wide range of extracurricular opportunities including participation in moot court, law journal, and more than 20 student organizations.

The School of Law offers seven Joint Degree Programs, including a JD/MD, and four Specialization Programs: Health Law & Policy, International & Comparative Law, Business & Transactional Law, and Intellectual Property.

The M.L.S. is a nonprofessional degree for graduate students from the U.S., or foreign-educated students with no prior legal training, whose work requires knowledge of the U.S. legal system. Students can create a custom-designed curriculum and obtain specialized training in their area of interest. Educational

administrators, human resource managers, government regulators, risk management specialists, or students planning to enter these or many other professional careers, can benefit from this program.

The LL.M. program offers an advanced study of law that allows lawyers to create a custom-designed curriculum and obtain specialized training in their area of interest. The LL.M. can serve lawyers with an established practice who desire to add a graduate level law degree to increase their expertise in a particular field, to qualify for a different position, or to establish a credential to enter the field of legal education. It can also benefit graduates of law schools in other countries who desire to learn about the American legal system either as a prerequisite to sitting for a bar examination in select states or to enhance their marketability as a practicing lawyer in their native country.

The School of Law is fully accredited by the American Bar Association and is a member of the Association of American Law Schools.

Interested students can contact the Office of Admissions by e-mail at lawadmit@siu.edu, by phone at (800) 739-9187, or by mail at SIU School of Law, 1150 Douglas Drive, Carbondale, Illinois 62901. Students are also encouraged to visit the School of Law's website at www.law.siu.edu.

School of Medicine

The Southern Illinois University School of Medicine was established in 1970 to assist the people of central and southern Illinois in meeting their present and future health needs through education, patient care, research and service to the community. The school encompasses a complete sequence of programs that begins with undergraduate medical education and progresses through residency training and continuing education for practicing physicians.

Training of medical students begins with year one in Carbondale and progresses to the Springfield campus for the next three years. The first two years of the curriculum are case-based and small groups oriented with disciplines groups in organ system blocks. The medical school offers a six-year joint MD/JD degree program in conjunction with the SIU Carbondale School of Law. The school also offers a masters of science in physician assistant studies and a MD/MPH concurrent degree in medicine and public health.

Initial clinical activities are offered at most Southern Illinois Healthcare hospitals and clinics as well as the Veterans Administration Medical Center and Heartland Regional Medical Center in Marion, and continue in St. John's Hospital and Memorial Medical Center in Springfield, as well as in several other regional facilities and private physicians' offices in central and southern Illinois. Extensive basic and clinical research is conducted on both campuses.

Inquiries on admission should be addressed to:

Elizabeth Hecker, Director of Admissions
School of Medicine
Southern Illinois University
P.O. Box 19624
Springfield, IL 62794-9624
www.siumed.edu

Linda K. Herrold, M.S.
Assistant Dean of Student Affairs
Lindgren Hall
School of Medicine
Southern Illinois University
Carbondale, IL 62901-6503

NOTE: Information on undergraduate preparation necessary for schools of medicine is given under Pre-Medicine.

Air Force and Army ROTC

AEROSPACE STUDIES (AIR FORCE ROTC)

Aerospace Studies is a voluntary course sequence that may lead to an officer's commission in the United States Air Force following graduation from SIUC. Students in all fields of study at SIUC are eligible to enter the Aerospace Studies program. Evidence of a bona fide baccalaureate degree from SIUC is essential to meeting the commissioning requirements. The program is divided into two parts—the General Military Course (GMC) for freshmen and sophomores and the Professional Officer Course (POC) for juniors and seniors. Any upper-division student is eligible for membership in the Professional Officer Corps. A student who competes successfully for POC membership at a later point in his or her academic years must remain a full-time student during the two-year membership in the POC.

General Military Course (GMC–AS 100/200)

The General Military Course (GMC) covers basic topics about the Air Force such as force structure, history, etc. Uniforms are provided and classes are taught, but the cadets are under no obligation to the government. Cadets who have successfully completed the GMC requirements may be selected to attend a voluntary four-week Field Training Course at an Air Force Base during the summer to qualify for entry into the Professional Officer Course. Cadets receive travel pay to and from Field Training, are furnished room and board, and are paid while there. Students entering AFROTC as sophomores will complete both the AS 100 and AS 200 courses prior to attending the Field Training Course. Such students should contact SIU Carbondale AFROTC about exceptions to this rule.

Professional Officer Course (POC–AS 300/400)

Acceptance into the last two years of the program (POC) is competitive. Selection rests on successful completion of a physical examination, the Air Force Officer Qualifying Test (AFOQT), demonstrated leadership potential, physical fitness, cumulative grade-point average, and performance at Field Training.

Obligations

The GMC cadet is not obligated at any time. Cadets entering the POC must accept a commission in the United States Air Force following graduation, thereby accepting a military obligation.

Stipends

GMC cadets will receive stipends during field training at the end of their sophomore year. POC cadets receive a monthly tax-free subsistence allowance, \$350 for juniors and \$400 for seniors, and are also paid for their field training activities.

Retention

All students must meet University academic requirements and maintain satisfactory academic progress to enter or remain in the program. To be eligible for a POC allocation, cadets must maintain a cumulative 2.50 GPA.

Scholarship

The Federal Scholarship is awarded to highly qualified cadets for four, three or two years. The Federal Scholarship can pay up to \$18,000 a year in tuition and fees, \$900 per year for books and a tax-free substance allowance that is between \$300-\$500 per month.

Illinois State Tuition Waiver (ISTW)

The ISTW is funded by the state of Illinois and amounts to a full or partial tuition waiver for GMC and POC cadets. It is awarded for academic excellence and is available through the department to students enrolled/ accepted into the ROTC program at SIUC, regardless of their academic major. Cadets who have attended Illinois community colleges and are currently enrolled in

SIUC's ROTC courses may also be eligible for a tuition waiver. No military service obligation is incurred by accepting Illinois-funded tuition waivers.

Commissioning Program for Enlisted Members and Veterans

Qualified Air Force enlisted personnel enrolled in an SIUC resident center may enter the two-year (POC) AFROTC program. An enlistee must contact their base education office to apply to the program. AFROTC is available to veterans of all services within the Department of Defense (Army, Navy, Air Force, Marines).

Special Note to Counselors

This program is available to students in all majors. Applicants who want to become pilots, combat systems officers, or space and missile officers may choose any academic major. We do, however, have a special need for engineering, mathematics, chemistry, computer science, physics, nursing and foreign language majors. All academic work completed since graduation from high school will be evaluated.

Extra Curricular Activities

Arnold Air Society and Silver Wings are private, professional service organizations of AFROTC cadets and are affiliates of the Air Force Association. The organizations are self-administered. Arnold Air Society helps develop Air Force Officers, furthers Air Force traditions, and supports aerospace power and its role in national security, and advances air and space age citizenship. Membership is composed of AFROTC cadets. Silver Wings, through activities and projects, provides character growth through service to the community which enables the individual member to develop a sense of purpose and responsibility to the local community. The organization also provides members with leadership opportunities and helps develop professional skills. Civil Air Patrol provides an opportunity to fly up to 4 hours in a Cessna for free. Drill Team members post colors at sports and military events and also participate in drill competitions around the Midwest.

ARMY MILITARY SCIENCE (ARMY ROTC)

Army Military Science is a voluntary course sequence, which may lead to a commission as an officer in the United States Army (Active, Army Reserves, or Army National Guard). Army ROTC is available to students in all majors including graduate programs. All students who complete the Army ROTC program earn a minor in military science.

Scholarships

Numerous federal scholarships for two, three and four years are available to qualified students. Illinois residents may be qualified for Illinois State ROTC scholarships, which pay full tuition. Transfer students may qualify for Illinois State Junior Colleges transfer scholarships, which pay full tuition.

Basic Course (AMS 100/200)

Enrollment in the basic course (freshman and sophomore level) is open to all students and carries no military obligation. However,

if a student desires a commission as an Army officer, he/she must satisfactorily complete all four basic course classes or receive credit for those courses. Attending a five-week basic leadership camp, conducted at an Army installation each summer, can also complete basic course credit. Basic leadership camp attendees receive the same entitlements and pay as advanced leadership camp attendees.

Advanced Course (AMS 300/400)

Any student, graduate or undergraduate, with at least two academic years remaining at the University, and Basic course credit, may participate in the advanced course. Acceptance into the advanced course (300-400-level) is contingent upon meeting academic, physical, age, and citizenship prerequisites. Advanced-course students attend one five-week summer advanced leadership camp, conducted at an Army installation. Students receive travel pay to and from camp, room and board, and pay while at camp. Advanced leadership camp is worth six semester hours.

Payments

All individuals who are contracted into the Advanced Course receive \$450-\$500 per month tax-free subsistence allowance.

Veteran Placement

All-prior enlisted service members from all branches—including the National Guard and United States Army Reserve—who qualify, may enter the ROTC program with 54 semester hours as contracted cadets in the two-year program. These individuals must be full-time students. Requests for information can be directed to the Professor of Military Science at the Army ROTC at (618) 453-7563.

Retention

All students must meet University academic requirements and maintain satisfactory academic progress to enter or remain in the ROTC program.

Service obligation

We offer cadets the opportunity to apply for a guaranteed Reserve Forces duty contract (Army Reserve or Army National Guard) for students who do not desire active duty.

Extra Curricular Activities

In addition to courses offered for academic credit, the Army Military Science program sponsors extracurricular activities. The Ranger Challenge Team is open to enrolled Army ROTC students. The Pershing Rifles, a national organization, is open to all participating students. The group maintains the Color Guard and the Drill Team that perform at home football and basketball games and participates in both rifle and pistol team competition at the national level. The River to River Relay Team competes in a relay race from the Mississippi to the Ohio River. The Association of the United States Army is a national organization with membership open to all ROTC students. Members do service work for the community as well as social events. The Army Military Science department is located in Kesnar Hall, Bldg. 112, Room 106; (618) 453-5786. armyrotc@siu.edu.

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Accounting

College of Business
(Bachelor of Science)

Marcus Odom, Director
232 Henry J. Rehn Hall
Telephone: (618) 453-2289

<http://business.siu.edu/academics/dept/accounting/index.html>

Accounting is the process of identifying, measuring, and communicating economic data so that sound business judgments and decisions can be made.

The B.S. degree program with a major in accounting meets the objectives of students considering professional positions as certified public accountants or as members of industry or government management teams. As of May 2001, 150 hours of college credit are required to sit for the CPA exam in Illinois. Building on fundamental knowledge developed in core courses and a restricted set of electives, students can select from a variety of other courses to gain in-depth knowledge about their particular areas of interest.

A field internship placement may be an important element in the program and is encouraged for interested students who meet the department's criteria. Students who qualify may arrange to work off campus, during any semester after the sophomore year, under the direction of a cooperating employer. While most of the work assignments are in the St. Louis and Chicago areas, some students have been assigned, at their request, in districts as far away as New Jersey and Texas. Students receive valuable work experience, a salary, and 3 hours of university credit under the internship program. The School of Accountancy selects interns.

Accounting Suggested Curricular Guide

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101B	Foundations of Inquiry for Business	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	UCC Science	3	3
_____ PSYC 102/SOC 108	Introduction to Psychology <i>or</i> Introduction to Sociology.....	—	3
_____ Select	UCC Human Health.....	—	2
_____ Select	Speech Communications	3	—
_____ MATH 139, 140	Finite Mathematics <i>and</i> Short Course in Calculus	3	4
		15	15
<i>Second Year</i>		Fall	Spring
_____ ACCT 220, 230	Financial Accounting, Managerial Accounting	3	3
_____ ECON 241, 240	Introduction to Macro <i>and</i> Microeconomics	3	3
_____ ACCT/MGMT 208	Business Data Analysis	3	—
_____ Select	UCC Humanities	3	3
_____ ENGL 291	Intermediate Technical Writing	—	3
_____ Select	UCC Fine Arts.....	3	—
_____ Select	UCC Integrative Studies.....	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ ACCT 321, 322	Intermediate Accounting I <i>and</i> Intermediate Accounting II.....	3	3
_____ ACCT 331, 341	Cost Accounting <i>and</i> Intro to Taxation	3	3
_____ MGMT 304	Introduction to Management	—	3
_____ FIN 330	Introduction to Finance	3	—
_____ ACCT 360	Accounting Systems Operations.....	3	—
_____ FIN 280	Business Law I ²	—	3
_____ MGMT 345	Computer Information Systems	3	—
_____ BUS 302	Business Career Transitions	—	2
_____ Select	Approved Elective ¹	—	1
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ MKTG 304	Marketing Management	3	—
_____ ACCT 411/ 421/ 431/	Enterprise Networks & Communications, Advanced Accounting, Advanced Cost		
441/ 465/ 468/ 471/495	Accounting, Advanced Tax, Internal Auditing, Forensic Accounting, Governmental		
_____ MGMT 318, 481	& Not for Profit Accounting, Internship	6	6
_____ FIN 380	Production-Operations Management, Administrative Policy	3	3
_____ Select	Business Law II ²	3	—
_____ ACCT 460	300-400 CoB elective	—	3
	Auditing	—	3
		15	15

¹ 120 semester hours are required for graduation. Approved electives should be selected in consultation with the academic advisor to meet this requirement.

² The combination of Finance 280 (Business Law I) and Finance 380 (Business Law II) is highly recommended for all students planning to set for the CPA exam.

Accounting as a Major

It is strongly recommended that the courses listed above for the first two years be completed before the junior year. Many of these courses are prerequisites to later requirements. The school is accredited by The Association to Advance Collegiate Schools of Business International and is a member of the Federation of Schools of Accountancy. A 2.00 GPA in SIU Carbondale account-

ing courses is required for graduation. A *C* or better is required in all upper-division accounting courses. Accounting courses may be taken only two times; a student only has two attempts to pass the course.

Graduate degrees available: Master of Accountancy (M. Acct.), Doctor of Philosophy in Business Administration (Ph.D.).

Representative First Job Titles

Accountant, accounting and fiscal administration career trainee, revenue collection officer, auditor, grants and contract officer, assistant controller, plant accountant, retail controller trainee, junior systems analyst, financial management trainee, internal auditor, accounting management trainee, property accountant, budget accountant.

Africana Studies

College of Liberal Arts
(Bachelor of Arts)

Joseph A. Brown, Chair
Faner Hall Room 4007
Telephone: (618) 453-7147
<http://africanastudies.siu.edu/>

Students who wish to enroll in Africana Studies as their sole or primary Major will be expected to fulfill the *general requirements of the College of Liberal Arts*. Students who wish to enroll in Africana Studies as an added Major and who are primarily enrolled in a college at SIU Carbondale other than the College of Liberal Arts must fulfill their college's general requirements. Only Africana Studies courses completed with a least a *C* will fulfill the major requirement.

A minor in Africana Studies consists of a minimum of 20 hours, which are to be selected from Africana Studies course offerings and organized according to each individual student's field of interest. Africana Studies 311A,B is required for the minor.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	Social Science.....	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Humanities	3	3
_____ Select	Foreign Language	3	3
_____ AFR 215, SPCM 101	Black American Experience in a Pluralistic Society, Speech Communications	3	3
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ Select, GEOG 300I	Science <i>and</i> Geography, People and the Environment	3	3
_____ Select	MATH <i>and</i> Human Health	3	2
_____ AFR 311A, 311B	Black American History <i>and</i> Black American History since 1865	3	3
_____ Select	Humanities <i>and</i> Integrative Studies	3	3
_____ WGSS 201, MUS 103	<i>and</i>	3	3
		<u>15</u>	<u>14</u>
<i>Third Year</i>		Fall	Spring
_____ AFR 209, 375	Critical Issues in the Black American Exp. <i>and</i> Topics in Africana Aesthetics	3	3
_____ AFR 334, 227	Psychology of African/African American Exp. <i>and</i> History of African Am Art	3	3
_____ AFR 475, 499	Education and Black America <i>and</i> Special Topics in Africana Studies	3	3
_____ AFR 490/491, Select	Cross-Cultural Rehabilitation or Independent Readings <i>and</i> AFR Electives	3	3
_____ Select	AFR Electives	3	3
		<u>15</u>	<u>15</u>
<i>Fourth Year</i>		Fall	Spring
_____ AFR 399	Independent Study in Black American Studies	3	4
_____ AFR 495, 491	African Cultural Continuities: Study Aboard <i>and</i> AFR Independent Readings	3	3
_____ AFR 499, Select	Special Topics in Africana Studies <i>and</i> AFR Elective.....	3	3
_____ Select	AFR Electives	3	3
_____ Select	AFR Elective <i>and</i> General Elective	3	3
		<u>15</u>	<u>16</u>

Agribusiness Economics

(Agricultural Economics/Agribusiness)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jeffrey R. Beaulieu, Interim Chair
226 Agriculture Building
Telephone: (618) 453-2421
E-mail: agecon@siu.edu
<http://www.agribusiness.siu.edu>

The need to better utilize our natural resources and protect our environment, improve our rural infrastructure, and manage the activities of food/fiber production, processing, and distribution firms in an international setting is creating career opportunities at a quickening pace.

Agribusiness Economics offers a flexible program, which, under the supervision of a faculty adviser, allows the student to pursue either a comprehensive or more specialized course of study in preparation to assume an effective professional role in our dynamic, global, economic, and social environment.

Among career opportunities are grain merchandising; livestock marketing; farm credit; farm management; agribusiness management; sales of farm supplies (chemical, machinery, feed, seed, petroleum); administration of farm energy or environmental programs; agricultural, energy, or environmental policy analysis; regional and rural economic development; resource economics; environmental management and planning; agricultural extension; and real estate sales and appraisal. Courses in Agribusiness Economics in the traditional areas of farm management and marketing emphasize accepted techniques to improve efficiency and farm profitability. Course offerings in agribusiness management, finance, sales, marketing, and commodity futures prepare students to assume positions with a broad range of businesses that comprise the agribusiness sector; from input suppliers to farmers through merchandising and processing agricultural commodities to retail sales to consumers. Course offerings in environmental and natural resource economics, energy economics, agribusiness management, rural development, food policy and agricultural law introduce the needed applied economic skills for effective decision making, complement a more specialized course of study, and provide the basis for dealing with contemporary societal problems.

The Agribusiness Economics major involves a set 22 hours of agribusiness economics core requirements as well as 15 elective hours in agribusiness economics including at least six hours at the 400-level. Students also have 15 hours of business, economics and methodology requirements, six hours of communication courses over and above the nine hours required by the University Core Curriculum, and 24 hours of electives.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

The Agribusiness Economics Option

	Fall	Spring
<i>First Year</i>		
Core Science	3 or 4	3 or 4
Core Fine Arts	—	3
UCOL 101, ECON 240	3	3
ENGL 101, 102	3	3
ABE 204, SPCM 101	3	3
MATH 108 or higher ⁴	3	—
	15-16	15-16
<i>Second Year</i>	Fall	Spring
Core Social Science	3	—
Core Humanities	3	3
ENGL 291, SPCM 221	3	3
ACCT 220	—	3
ECON 241, ABE 330	3	3
Core Multi/Human Health	3	2
	15	14
<i>Third Year</i>	Fall	Spring
ABE 340 ³ , 350 ³ or 360 ³	3	3
ABE 318	3	—
ACCT 230	3	—
ABE 351	3	—
ABE 361 ² or 362 ²	3	3
ABE Electives	—	6-15
Other Electives	—	6-15
	15	15
<i>Fourth Year</i>	Fall	Spring
ABE 440 ³ , 444 ³ , 450 ³ , 461 ³ or 463 ³	3	3
ABE 381 ³	1	1
ABE 419	—	3
Electives	9-15	9-12
	15-16	15-16

¹ Students required to take one of ABE 340, 350 (Fall) or ABE 360 (Spring).

² Students take either ABE 361 (fall) or ABE 362 (spring).

³ Students take one of ABE 440, 444, 450 (fall), 461 or 463 (spring).

⁴ Mathematics 108, 139, 140 recommended for students with appropriate preparation.

⁵ Students may take ABE 381 in either (fall or spring).

The Capstone Option

Actual program of study for individual students varies based on the courses students take while at a community college. Students are encouraged to take as many courses as possible that will transfer and meet SIU Carbondale's core requirement.

<i>Third Year</i>	Fall	Spring
ABE 340 ¹ , 350 ¹ or 360 ¹	3	3
ABE 318	3	—
ACCT 210, AGSE 118	3	3
ABE 351	3	—
ABE 361 ² or 362 ²	3	3
ENGL 291 or SPCM 221	3	3
Elective or Core	—	3-9
Total	18	15
<i>Fourth Year</i>	Fall	Spring
ABE 440 ³ , 444 ³ , 450 ³ or 461 ³ or 463 ³	3	3
ABE 381 ³	1	1
ABE 419	—	3
ECON 240 or 241	3	—
Elective or Core	9-12	9-12
Total	15-16	15-16

¹ Students are required to take one of ABE 340, 350 (fall) or ABE 360 (spring).

² Students take either ABE 361 (fall) or ABE 362 (spring).

³ Students take either ABE 440 (spring) 444 (fall), 461 or 463 (spring).

⁴ Mathematics 108, 139 or 140 recommended for students with appropriate preparation.

⁵ Students may take ABE 381 in either (fall or spring).

Examples of Agribusiness Economics Programs of Study for Different Career Tracks

Sales and Marketing Career

Suggested Agribusiness Economics electives:

Agribusiness Economics 333, 360, 363, 453, 462, 401, 460

Suggested College of Agricultural Sciences electives:

Plant and Soil Sciences 200, 300

Suggested other electives (24 hours – minor in Economics)

Marketing 304, 336, 390, 435

Energy and Environmental Policy Career

Agribusiness Economics courses:

Agribusiness Economics 204, 318, 330, 340, 351, 381, 440 and 444

Other Agribusiness courses:

Agribusiness Economics 401, 453, 463

Other suggested courses:

Accounting 230, Economics 240 and 241, 340 or 341, 408, Geography and Environmental Resources 401, 420, Political Science 325, 444, 445

Farm Business Management Career

Agribusiness Economics core courses:

Agribusiness Economics 204, 318, 330, 350, 351, 361 or 362, 381, 450

Other Agribusiness Economics courses:

Agribusiness Economics 333, 340, 361 or 362, 363, 401, 460, 453

Other Agriculture courses students may wish to develop their technical skill in a particular production area by selecting other agricultural courses.

Animal Sciences 121, 122, 315, 430, 465, 485, Agricultural Systems 472, Plant and Soil Science 200, 220, 300, 333, 468, 419, 423, 432

Other Suggested Courses:

Accounting 230

Agribusiness Management & Finance

Agribusiness Economics core courses:

Agribusiness Economics 204, 318, 330, 351, 360, 361 or 362, 461, 381

Other Agribusiness Economics courses:

Agribusiness Economics 333, 340, 363, 401, 453, 451, 453

Other Suggested Courses:

Accounting 230, Economics 240 and 241, Marketing 304, 336

Agricultural and Rural Real Estate Appraisal

Agribusiness Economics core courses:

Agribusiness Economics 204, 318, 330, 350, 351, 361 or 362, 381, 450

Other Agribusiness Economics courses:

Agribusiness Economics 333, 340, 361 or 362, 401, 451, 453

Other Suggested Courses:

Finance 320, 321, 322, 323, 330, Plant and Soil Science 240

Representative First Job Titles

Agricultural salesperson, sales manager, commodity merchandiser, grain elevator manager, food broker, agricultural program administrator, agricultural commodities inspector, loan officer, farm manager, agricultural economist, agricultural management specialist, agricultural marketing specialist, risk manager, agricultural market reporter, economic development specialist, resource economist, policy analyst and environmental planner, energy economist, ethanol plant manager, logistic manager/planner.

Agricultural Systems

(Agricultural Communications Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Seburn Pense,, Associate Professor
154 Agriculture Building
Telephone: (618) 453-2467
<http://www.siu.edu/~psas>

The B.S. degree in agricultural systems with a specialization in agricultural communications is designed to build competencies in both agriculture and communication skills. These include knowledge in different content areas of agriculture, print and broadcast journalism, reporting, editing, layout and web design, advertising, public relations, and journalism law and ethics.

This specialization is for those students who plan to work in agricultural communications programs such as news-editorial journalism, photo journalism, advertising/marketing communication, radio-television broadcasting, public relations and web design.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ AGSE 180	Introduction to Ag Communication	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ ANS 121	Introduction to Animal Science.....	3	—
_____ ANS 122	Livestock Production Laboratory.....	1	—
_____ MATH 108	College Algebra	3	—
_____ HED 101	Foundations of Human Health	2	—
_____ AGSE 170	Physical Principles in Agriculture	—	4
_____ CHEM 140A	Chemistry.....	—	4
_____ UCOL 101 ²	Foundations of Inquiry	—	3
_____ AGSE 118	Introduction to Computers in Agriculture	—	3
		15	17
<i>Second Year</i>		Fall	Spring
_____ PSYC 102	Introduction to Psychology	3	—
_____ PLB 200	General Plant Biology	3	—
_____ MCMA 201	Media in Society	3	—
_____ JRNL 301	Writing for the Mass Media	3	—
_____ HIST 101A, B	History of World Civilization I <i>and</i> II	3	3
_____ AGRI 323	Career Development in Agriculture	2	—
_____ RT 200	Understanding Radio and TV	—	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	—	3
_____ CSEM 200	Introduction to Crop Science	—	3
		17	15
<i>Third Year</i>		Fall	Spring
_____ JRNL 312	Editing.....	3	—
_____ JRNL 313	Basic Photojournalism	3	—
_____ RT 311, 170	Audio Journalism for Electronic Media <i>and</i> Radio and Audio Production	3	3
_____ ANTH 202	America's Diverse Cultures	3	—
_____ Select	UCC Elective.....	3	—
_____ JRNL 332	Journalism Law	—	3
_____ Select	UCC Elective.....	—	3
_____ AGSE 359	Intern Program	—	3
_____ AD 101	Introduction to Art.....	—	3
_____ Select	UCC Elective.....	—	2
		15	17
<i>Fourth Year</i>		Fall	Spring
_____ HORT 200	Introduction to Horticulture	3	—
_____ JRNL 335, 419	Graphic Communication and Introduction to Web Design	3	3
_____ Select	UCC Elective.....	6	3
_____ RT 370	Television News Reporting.....	—	3
_____ AGSE 411	SIUC Ag Journal	—	3
		12	12

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement.

Agricultural Communications as a Specialization

Requirements include 29 semester hours of courses in Agricultural Systems, and Plant and Soil Science. An additional 17 semester hours of approved electives in four departments in the College of Agricultural Sciences, and 30 semester hours in communications (Journalism and Radio-TV) are required.

Representative First Job Titles

Agricultural communications specialist in newspaper, radio, television, advertising or agricultural photojournalism, agricultural microcomputer specialist, assistant county extension adviser, product education specialist, assistant manager (farm supply business), agricultural industry representative, agricultural manager, sales representative.

Agricultural Systems

(Agricultural Education Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Seburn Pense, Associate Professor
AGED Coordinator
154 Agriculture Building
Telephone: (618) 453-6984
<http://www.siu.edu/~psas>

The B.S. degree program in agricultural systems with an agricultural education specialization meets the objectives of students interested in certification as Illinois high school teachers of agricultural education. Students may specialize in one of the following areas: *agribusiness, biology, zoology, plant and soil science, horticulture and animal science*.

Students who major in agricultural systems at SIU Carbondale may choose from an extensive list of courses, work closely with excellent teachers, and participate in many outstanding student activities. The curriculum is focused on three areas of specialization: education, technologies, and production.

Not only are there excellent employment opportunities for agricultural education majors as teachers in high schools and community colleges; the breadth of training also provides educational background needed for adult training programs offered by high schools, colleges, extension services, and industry. Many international agricultural positions are open to persons with this training, which also provides the educational background sought by many agribusiness firms for sales and management training positions.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ CHEM 106	Chemistry and Society ^{1,2}	—	3
_____ Select	Core Elective ³	—	6
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108	College Algebra	3	—
_____ HED 101/KIN 101	Human Health or Current Concepts of Physical Fitness ⁴	2	—
_____ AGSE 170	Physical Principles in Agriculture	—	4
_____ ANS 121	Introduction to Animal Science	3	—
_____ ANS 122	Livestock Production Laboratory	1	—
_____ UCOL 101	Foundations of Inquiry	3	—
		15	16
Second Year		Fall	Spring
_____ Select	Core Elective ³	—	6
_____ PSYC 102, Select	Introduction to Psychology and Elective	3	3
_____ EDUC 311	Diversity, Culture, and Education in a Pluralistic Society	3	—
_____ SPCM 101	Introduction to Communication	3	—
_____ AGSE 110	Introduction to Agricultural Education	3	—
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ²	—	3
_____ AGSE 314	Agricultural Information Programs	3	—
_____ CSEM 200	Introduction to Crop Science	—	3
		15	15
Third Year		Fall	Spring
_____ PLB 115, EDUC 319	Ag Elective and Language, Culture, and Learning	3	3
_____ AGSE 118	Introduction to Computers in Agriculture	3	—
_____ AGSE 314	Agricultural Information Programs	3	—
_____ CI 360	Teaching, Reading and Writing in the Secondary Content Areas	—	3
_____ EDUC 313	Reflective Classroom Planning, Organization, and Management	—	3
_____ EDUC 301, 302	Clinical I, Reflective Instructional Practices and Clinical II, Methods	1	1
_____ AGSE 311A	Agricultural Education Programs	3	—
_____ Select	AG Electives	3	6
		16	16
Fourth Year		Fall	Spring
_____ Select	Elective	2	—
_____ EDUC 303	Clinical III, Advanced Instructional Practices	1	—
_____ AGSE 311B	Agricultural Education Programs	3	—
_____ EDUC 308	Characteristics and Methods for Teaching Exceptional Children	3	—
_____ AGRI 323, EDUC 401	Career Development in Agriculture and Student Teaching	3	12
_____ Select	Ag Elective	3	—
		15	12

¹ Students with background and interest in chemistry are advised to take a higher level of chemistry.

² This course is required for the major and fulfills University Core Curriculum requirements. To meet teacher certification requirements the following University Core Courses are recommended. Foundation Courses: ENGL 101, ENGL 102, MATH 110 or 101 or approved substitute, SPCM 101; Fine Arts (choose one): AD 101, HIST 201, MUS 103, or THEA 101; Human Health (choose one): HED 101 or PE 101; Humanities: HIST 101A; Science: CHEM 106 and PLB 115. Social Science: HIST 110 and POLS 114. Integrative/Multicultural (choose one): ANTH 202, HIST 202, HIST 210, or SOC 215; Integrative/Interdisciplinary: choose a humanities course within the university core integrative/interdisciplinary selection.

³ See University Core Curriculum.

⁴ Fulfills both a teacher certification and a University Core Curriculum requirement. See College of Education and Human Services.

Note: All students must pass the Basic Skills Test prior to their third year.

Agricultural Systems

(General Agriculture Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Myron Albers, Senior Lecturer
145F Agriculture Building
Telephone: (618) 453-6979
<http://www.siu.edu/~psas>

The B.S. degree program in agriculture systems with a specialization in general agriculture meets the objectives of students considering a career benefiting from a unique combination of coursework in agriculture and related sciences. Course work involves instruction in selected areas of agriculture, education, and communications. Areas of employment include agricultural extension, agricultural media, post-secondary educational institutions, and industry.

Students who major in agricultural systems at SIU Carbondale may choose from an extensive list of courses, work closely with excellent teachers, and participate in many outstanding student activities.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ CHEM 106	Chemistry and Society ^{1,2}	—	3
_____ *PLB 115	General Biology ²	3	—
_____ UCOL 101	Foundations of Inquiry	3	6
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108	College Algebra	3	—
_____ AGSE 170	Physical Principles in Agriculture	4	—
_____ ANS 121	Introduction to Animal Science.....	—	3
_____ ANS 122	Livestock Production Laboratory.....	—	1
		16	16
Second Year		Fall	Spring
_____ *SOC 108/PSYC 102	The Sociological Perspective ⁴ or Introduction to Psychology ⁴	3	—
_____ Select	Core Elective ³	3	3
_____ SPCM 101	Introduction to Communication	3	—
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources	3	—
_____ AGSE 314	Agricultural Information Programs	—	3
_____ CSEM 200	Introduction to Field Crop Science	—	3
_____ Select	Electives	—	6
_____ AGSE 118	Introduction to Computers in Agriculture	3	—
		15	15
Third Year		Fall	Spring
_____ AGSE 311A	Agricultural Education Programs	—	3
_____ Select	Second speech course	3	—
_____ Select	Agribusiness Economics elective	—	3
_____ Select	Electives	6	7
_____ AGSE 375	Introduction to Agricultural Systems	3	—
_____ PHSL 201	Human Physiology	—	2
		12	15
Fourth Year		Fall	Spring
_____ Select	Writing course	3	—
_____ AGRI 323	Career Development in Agriculture	2	—
_____ Select	Animal Science elective	—	3
_____ Select	AG Systems Elective	3	—
_____ Select	Plant and Soil Science elective	—	3
_____ Select	Elective	6	8
		14	14

* Required or strongly recommended courses for agricultural information specialization.

¹ Students with background and interest in chemistry are advised to take a higher level of chemistry.

² Fulfills a University Core Curriculum science requirement.

³ See University Core Curriculum.

⁴ Fulfills a University Core Curriculum social science requirement.

General Agriculture as a Specialization

This is a program for students with good language skills who like working with people.

No minor required. No foreign language required.

Approximate class size 30.

Agricultural Systems

(Agricultural Systems Technology Management Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Dennis G. Watson, Associate Professor

158B Agriculture Building

Telephone: (618) 453-6979

<http://www.siu.edu/~psas>

The B.S. degree program in Agricultural Systems with a specialization in Agricultural Systems Technology Management meets the objectives of students interested in the application of technical knowledge and methods to the management of agricultural systems and enterprises. Course work provides understanding of the technical principles and processes used by businesses and agencies serving production agriculture, communication of information, and the effective management of resources. Excellent opportunities for employment and professional association exist in this field.

Students who major in Agricultural Systems at SIU Carbondale may choose from an extensive list of courses, work closely with excellent teachers, and participate in many outstanding student activities.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	--
_____ Select	Health Elective ²	—	2
_____ Select	Physical Science Elective	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108	College Algebra	3	—
_____ CHEM 106	Chemistry and Science	—	3
_____ AGSE 190	Physics in Agriculture	—	4
_____ ANS 121	Introduction to Animal Science	3	—
_____ ANS 122	Livestock Production Laboratory.....	1	—
		13	15
<i>Second Year</i>		Fall	Spring
_____ Select Core	Core Elective ²	6	6
_____ Select	Core Math Elective	3	—
_____ SPCM 101	Introduction to Communication	—	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ²	3	—
_____ PLB 115	General Biology	3	—
_____ CSEM 200	Introduction to Crop Science	—	3
_____ AGSE 118	Introduction to Computers in Agriculture	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	ABE or Ag Elective	3	6
_____ AGSE 375	Introduction to Agricultural Systems	3	—
_____ AGSE 384	Agricultural Shop and Construction Processes	—	3
_____ AGSE 363	Agricultural Electrical and Electronics Systems	3	—
_____ AGSE 372	Agricultural Machinery Systems Management	3	—
_____ AGSE 374	Applied Graphics	—	2
_____ AGSE 361	Introduction to Control Programming	—	3
_____ Select	Agribusiness or Ag Systems Elective	3	3
		15	17
<i>Fourth Year</i>		Fall	Spring
_____ AGSE 483	Agricultural Processing Systems	3	—
_____ AGSE 473	Agricultural Automation	—	3
_____ Select	Agribusiness or Ag Systems Elective	6	6
_____ AGSE 497	Agricultural Operations Management	—	2
_____ Select	AG or Other Elective	6	4
		15	15

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement.

Agricultural Systems Technology as a Specialization

This is a specialization for students with an interest in technology as it applies to agricultural and processing systems. An agricultural background is not required for study in the agricultural systems technology specialization. Internships are suggested for the summer terms. No minor required. No foreign language required.

Class size 20–50; senior year 15–20.

Representative First Job Titles

Manufacturer's technical representative, grain terminal operations manager, assistant project manager, test cell operator, agriculture business manager, agricultural commodities inspector, agricultural industry's representative, farm manager, territory representative, industrial relations specialist, agribusiness technician, soil and water conservationist.

Agricultural Systems

(Agricultural Production Management Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Myron Albers, Senior Lecturer
145F Agriculture Building
Telephone: (618) 453-6979
<http://www.siu.edu/~psas>

The B.S. degree program in Agricultural Systems with a specialization in Agricultural Production Management meets the objectives of students considering production-related careers in farming and agricultural service businesses. Course work develops technical and managerial skills required for the culture of commodity crops, livestock, and enterprise management.

Students who major in Agricultural Systems at SIU Carbondale may choose from an extensive list of courses, work closely with excellent teachers, and participate in many outstanding student activities.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ ZOOL 118	Principles of Animal Biology ¹	4	—
_____ UCOL 101	Foundations of Inquiry	—	6
_____ ENGL 101, 102	Composition I and II ¹	3	3
_____ AGSE 190	Physics in Agriculture	—	4
_____ ANS 121	Introduction to Animal Science.....	3	—
_____ ANS 122	Livestock Production Laboratory.....	1	—
_____ MATH 108	College Algebra	3	—
_____ CHEM 140A	Chemistry	—	4
		14	17
<i>Second Year</i>		Fall	Spring
_____ Select	Core Elective ²	5	6
_____ SPCM 101	Introduction to Communication	—	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ²	—	3
_____ AGSE 118	Introduction to Computers in Agriculture	—	3
_____ CHEM 140B	Chemistry ¹	4	—
_____ PLB 200	General Plant Biology and Lab	4	—
_____ CSEM 200	Introduction to Crop Science	3	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	Core elective ²	3	—
_____ Select	Agriculture elective	—	6
_____ AGSE 375	Introduction to Agricultural Systems	3	—
_____ AGSE 314	Ag Information Programs	3	—
_____ Select	AG Systems elective	—	3
_____ ABE 350 or 351	Farm Management or Financial Management in Agriculture	3	—
_____ ANS 315 or 331	Feeds and Feeding or Physiology, Growth, and Development of		
_____ or PLSS 240	Farm Animals or Soil Science	—	3-4
_____ Select	ABE, ANS, or PLSS elective	3	3
		15	15-16
<i>Fourth Year</i>		Fall	Spring
_____ Select	AG Systems elective	6	3
_____ Select	ABE elective	3	3
_____ Select	ANS elective	3	—
_____ Select	PLSS elective	—	3
_____ Select	AG or other electives	3	4
		15	13

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement and counts toward the major.

Agriculture Production as a Specialization

Requirements include a minimum of 50 semester hours of courses in four departments in the College of Agricultural Sciences. An additional 29 semester hours of electives are required and may be taken in agriculture or other areas of study.

No minor required. No foreign language required.

Representative First Job Titles

Farmer, farm manager, soil conservationist.

Agricultural Systems

(Food and Processing Engineering
Technology Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Ruplal Choudhary, Associate Professor
FPET Coordinator
Agriculture Building, Room 158C
Telephone: (618) 453-6985
<http://www.coas.siu.edu>

The B.S. degree program in Agricultural Systems with a food and processing engineering technology specialization is designed for students to be able to manage and supervise operations in the food processing industry and as food processing technologists or managers. The students will gain a fundamental understanding of the science of food processing and preservation operations. The students will gain applied knowledge of food handling, food safety, food packaging, process automation, and operations management. Courses are designed to provide hands on experience on modern food processing industrial practices through interactive classes including laboratory projects, field trips, and internships in the food industry.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ HND 101	Personal Nutrition	2	—
_____ Select	Core Elective ¹	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101	Composition I	—	3
_____ AGSE 318	Introduction to Computers in Agriculture	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ MATH 108, 109	College Algebra <i>and</i> Trigonometry and Analytic Geometry	3	3
_____ BIOL 200A, 200B	Cell and Molecular Biology, Genetics & Evolution <i>and</i> Organismal & Ecological Biology	4	4
		15	16
<i>Second Year</i>		Fall	Spring
_____ Select	Core Elective	—	3
_____ ENGL 102	Introduction to Communication	3	—
_____ CHEM 140A, 140B	Chemistry ² and Chemistry	4	4
_____ MICR 201, Select	Elementary Microbiology and Core Elective	4	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
_____ PSYC 102	Introduction to Psychology ³	—	3
_____ PHYS 203A, 203B	University Physics	3	3
		17	16
<i>Third Year</i>		Fall	Spring
_____ ACCT 210, Select	Accounting Principles and Control <i>and</i> Core Elective	3	3
_____ AGSE 361	Introduction to Control Programming	—	3
_____ AGSE 375	Introduction to Agricultural Systems	3	—
_____ AGSE 473	Agricultural Automation	—	3
_____ Select	Core Elective	3	—
_____ AGSE 431	International Agricultural Systems	—	3
_____ Select	Core Elective	3	—
_____ Select	Approved Electives	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ AGSE 483, 495	Agricultural Processing Systems <i>and</i> Food & Pharmaceutical Packing	3	3
_____ AGSE 488	Food Engineering Technology	3	—
_____ Select	Approved Electives	5	6
_____ IT 475	Quality Control	3	—
_____ AGSE 497	Agricultural Operations Management	—	3
		14	13

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement and counts toward the major.

Agriculture Production as a Specialization

Requirements include a minimum of 50 semester hours of courses in four departments in the College of Agricultural Sciences. An additional 29 semester hours of electives are required and may be taken in agriculture or other areas of study.

No minor required. No foreign language required.

Representative First Job Titles

Farmer, farm manager, soil conservationist.

Animal Science

(Equine Science Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Gary A. Apgar, Interim Chair
127 Agriculture Building
Telephone: (618) 453-2329
<http://www.asfn.siu.edu/>

The B.S. degree program in animal science with a specialization in equine science meets the objectives of students considering careers in the horse industry. The SIU Equine Science curriculum is the most diverse and intensive in the surrounding five state area. Eleven courses specific to the horse and horse farm management from the core of the curriculum.

Instruction, demonstration, and consultation are provided in equine management, riding and stable management. Courses are also offered in all phases of animal production and management, including animal health, reproduction, animal physiology, animal biotechnology and nutrition.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

		Fall	Spring
<i>First Year</i>			
_____ ANS 121, SPCM 101	Introduction to Animal Science <i>and</i> Intro to Oral Communication	3	3
_____ ANS 122, HND 101	Livestock Production Laboratory <i>and</i> Personal Nutrition	1	2
_____ UCOL 101, ANS 112/212	Foundations of Inquiry <i>and</i> Riding	3	2
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108	College Algebra	3	—
_____ PHSL 201, 208	Human Physiology <i>and</i> Lab Experiences	4	—
_____ CHEM 140A	Chemistry I	—	4
		17	14
<i>Second Year</i>		Fall	Spring
_____ ANS 215, 315	Introduction to Nutrition <i>and</i> Feeds and Feeding	2	3
_____ ABE 204	Intro Economics of Food, Fiber & Natural Resources	—	3
_____ AGSE 118, ANS 337	Agricultural Computers <i>and</i> Animal Health	3	3
_____ CHEM 140B, ANS 309	Chemistry II <i>and</i> Equine Form and Performance	4	3
_____ UCC	Humanities, Social Science Elective	3	3
_____ ANS 219, UCC	Riding <i>and</i> Fine Arts Elective	4	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ ANS 331, ANS 314	Physiology, Growth and Development <i>and</i> Forages	4	3
_____ ANS 319, ANS 409	Horse Training <i>and</i> Equine Science	2	4
_____ ANS 431	Reproductive Physiology	—	4
_____ ANS 332	Animal Genetics	3	—
_____ UCC	Multicultural Elective	3	—
_____ UCC	Humanities <i>and</i> Fine Arts Electives	3	3
		16	14
<i>Fourth Year</i>		Fall	Spring
_____ ANS 381, ANS 419	Animal Science Seminar <i>and</i> Stable Management	1	4
_____ Select	UCC Multicultural Elective	—	3
_____ ANS, Ag Select	Animal Science <i>and</i> Ag. Electives	3	3
_____ ANS 212/312/412	Riding/Horsemanship	—	2
_____ Select	Electives	5	—
_____ ABE 350 or 351	Farm Management or Financial Agriculture Management	3	—
		12	12
<i>Fifth Year or Summer Forth Year</i>		Fall/Summer	
_____ ANS 490	Horse Industry Internship	8	—

Animal Science as a Major

The animal science degree program is supported by extensive facilities for several species of livestock. Every student has the opportunity to get involved in work, research, or observation at the 2000-acre farm system that is the core of our animal science program, with special centers for beef cattle, dairy cattle, horses, and swine. Many students work at the livestock centers and laboratories to help defray the cost of education as well as to gain valuable experience. An intern course also enables students to work in special areas (away from campus) and receive credit. Graduates are prepared for employment in many phases of animal agriculture. The department maintains close contact with the industry and assists in placing graduates in permanent positions. No minor required. No foreign language required.

Most of the teaching staff has advanced degrees (Ph.D.); Class sizes range from 20–60; senior year 10–30; Graduate programs are available.

Representative First Job Titles

General manager, farm manager, trainer/assistant trainer, stallion or broodmare manager/assistant manager, equine health technician, assistant marketing director, superintendent of horses or herdsman, racetrack official, events manager, assistant manager.

Animal Science

(Production Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Gary A. Apgar, Interim Chair
127 Agriculture Building
Telephone: (618) 453-2329
<http://www.asfn.siu.edu/>

The B.S. degree program in animal science with a specialization in production meets the objectives of students considering careers in the livestock industry. Students can also select courses in other areas of agriculture or in related fields, such as business, communications, or physical sciences. This selection allows students to include in their education the agronomic, agricultural economic, and agricultural engineering phases of agriculture, pre-veterinary medicine, or business as related to animal production.

Instruction, demonstration, and consultation are provided in beef, swine, dairy, and horse production and animal health. Courses are offered in all phases of animal production and management, including animal health, reproduction, animal physiology, animal biotechnology and nutrition.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ ZOOL 118	Principles of Animal Biology ¹	4	—
_____ ANS 121	Introduction to Animal Science	3	—
_____ ANS 122	Livestock Production Laboratory	1	—
_____ MATH 108	College Algebra	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ UCOL 101, ABE 204	Foundations of Inquiry and Agribusiness Economics ²	3	3
_____ HND 101	Personal Nutrition	—	2
_____ PHSL 201, 208	Human Physiology and Lab Experiences	—	4
		17	15
<i>Second Year</i>		Fall	Spring
_____ ANS 215, Select	Introduction to Nutrition and Social Science ⁴	2	3
_____ ANS 314	Forages	—	3
_____ CHEM 140A,B	Chemistry ¹	4	4
_____ AGSE 118	Introduction to Computers in Agriculture	3	—
_____ Select	Humanities ⁴	3	3
_____ Select	Fine Arts ⁴	3	—
_____ Select	Agriculture elective	—	2-3
		15	15-16
<i>Third Year</i>		Fall	Spring
_____ ANS 331	Physiology, Growth, and Development of Farm Animals	4	—
_____ ANS 337	Animal Health	—	3
_____ ANS 332	Animal Breeding and Genetics	3	—
_____ Select	Electives	3	—
_____ ANS 315	Feeds and Feeding	—	3
_____ ANS 337	Animal Health	—	3
_____ ANS 381	Animal Science Seminar	—	1
_____ Select	Multicultural Studies ⁴	—	3
_____ Select	Agriculture elective	—	2
_____ Select	Electives	3	—
		13	15
<i>Fourth Year</i>		Fall	Spring
_____ ANS 485 or Select	Beef Cattle or Elective	4	—
_____ ABE 350, ANS 415	Farm Management and Animal Nutrition	3	4
_____ ANS 434/Select	Physiology of Lactation or Elective	2	—
_____ ANS 455/Select	Nutrient Management or Elective	2	—
_____ ANS 409/430/465 or Elective	Equine Science or Dairy Cattle Management or Swine Management	—	4
_____ ANS 431	Reproductive Physiology	—	4
_____ Select	Electives	4-5	4-5
		15-16	16-17

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ Fulfills the University Core Curriculum human health requirement.

⁴ See University Core Curriculum.

⁵ Fulfills the University Core Curriculum interdisciplinary studies requirement.

Animal Science as a Major

The animal science degree program is supported by extensive facilities for several species of livestock. Every student has the opportunity to get involved in work, research, or observation at the 2000-acre farm system that is the core of our animal science program, with special centers for beef cattle, dairy cattle, horses, and swine. Many students work at the livestock centers and laboratories to help defray the cost of education as well as to gain valuable experience. An intern course also enables students to work in special areas (away from campus) and receive credit. Graduates are prepared for employment in many phases of animal agriculture. The department maintains close contact with the industry and assists in placing graduates in permanent positions.

No minor required; No foreign language required; Most teaching staff members have advanced degrees (Ph.D.); Class size 20–60; senior year 10–30; Graduate programs are available.

Animal Science

(Science and Pre-Veterinary Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Gary A. Apgar, Interim Chair
127 Agriculture Building
Telephone: (618) 453-2329
<http://www.asfn.siu.edu/>

The B.S. degree program in animal science with a specialization in science and pre-veterinary meets the needs of students planning to attend veterinary school or pursue graduate work in animal science. Students who complete this option qualify for the B.S. degree, meet the course requirements for admission to a veterinary medicine program, and acquire an excellent foundation for graduate work in animal science.

Most faculty members have advanced degrees (Ph.D.). Instruction, demonstration, and consultation are provided in dairy, horse, beef, swine, meats, and animal health. Courses are offered in all phases of animal production and management, animal health, reproduction, animal physiology, animal biotechnology and nutrition.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ ANS 121, 122	Introduction to Animal Science <i>and</i> Livestock Production Laboratory	4	—
_____ MATH 108, 109	College Algebra and Trigonometry <i>and</i> Analytic Geometry	3	3
_____ PHSL 201,208, ABE 204	Human Physiology <i>and</i> Lab Experiences <i>and</i> Agribusiness Economics ²	4	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry <i>and</i> Introduction to Oral Communication	3	3
_____ CHEM 200, 201	Introduction to Chemical Principles <i>and</i> Lab ²	—	4
		17	16
<i>Second Year</i>		Fall	Spring
_____ CHEM 339, 341	Organic Chemistry I <i>and</i> Lab	—	5
_____ MICR 301	Principles of Microbiology	4	—
_____ ANS 215	Introduction to Nutrition	2	—
_____ Select	Humanities ³	3	3
_____ Select	Fine Arts ³	3	—
_____ CHEM 210, 211	General and Inorganic Chemistry <i>and</i> Lab II	4	—
_____ Select	Agriculture elective	—	3
_____ Select	Social Science	—	3
_____ Select	Multicultural	—	3
		16	17
<i>Third Year</i>		Fall	Spring
_____ BIOL 200A	Cell and Molecular Biology	4	—
_____ PHYS 203A,B	College Physics	3	3
_____ PHYS 253A,B	College Physics Lab	1	1
_____ ANS 331, 332	Physiology, Growth, & Development of Farm Animals <i>and</i> Animal Breeding	7	—
_____ PHSL 208	Laboratory Experiences in Physiology	1	—
_____ CHEM 350	Introduction to Biological Chemistry (opt lab)	—	3
_____ ANS 315	Feeds and Feeding	—	3
_____ ANS 337	Animal Health	—	3
		16	13
<i>Fourth Year</i>		Fall	Spring
_____ ANS 431	Reproductive Physiology of Domestic Animals	—	4
_____ ANS 381	Animal Science Seminar	—	1
_____ Select	Electives	—	1
_____ Select	Electives	3	—
_____ Select	Agriculture Elective	—	2
_____ HND 101	Personal Nutrition ³	—	2
_____ Select	Animal Science Elective	5	2
_____ ANS 485/465/430/409	Beef Cattle, or Swine, or Dairy Cattle Management, or Equine Science	4	—
		12	12

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ See University Core Curriculum.

Animal Science as a Specialization Major

The animal science major is supported by extensive facilities for several species of livestock. Every student has the opportunity to get involved in work, research, or observation at the 2000-acre farm system, the core of our animal science program, which has special centers for beef cattle, dairy cattle, horses, and swine. Many students work at the various livestock centers and laboratories to help defray the cost of education as well as gain valuable experience. An intern course also enables students to work in special areas (away from campus) and receive credit.

Graduates are prepared for employment in many phases of animal agriculture. The department maintains close contact with the industry and assists in placing graduates in permanent positions.

No minor required. No foreign language required; Class size 20–60; senior year 10–30; Graduate programs are available.

Representative First Job Titles

Animal husbandman, animal physiologist, animal breeding expert, swine herdsman, animal industry representative, animal hygiene specialist, farm manager, dairy cattle manager, product evaluator, animal control biologist, livestock manager, animal nutrition specialist, poultry manager, Animal Biotechnologist.

Anthropology

College of Liberal Arts
(Bachelor of Arts)

Dr. John McCall, Chair
3525 Faner Hall
Telephone: (618) 536-6651
cola.siu.edu/anthro/

The B.A. degree program in anthropology meets the objectives of students considering careers in teaching, research, archaeology, museums and archives, linguistics, medicine, personnel or social work, and business. A variety of courses in four sub-fields (archaeology, biological anthropology, linguistic anthropology, and sociocultural anthropology) present a broad view of the field.

Resources for anthropology students include a large university library, the University Museum, a fully equipped computer center, the Center for Archaeological Investigations, and biological anthropology, archaeology, and linguistic laboratories.

The anthropology faculty has a wide array of field and research experience in all sub-fields of the discipline. Members have conducted field research in Latin America and the Caribbean, Africa, Eastern and Southwestern United States, Southern Europe, Northern Europe (Germany), Meso America, Andean and Amazonian South America, Rural North America, African Diaspora, Thailand, and the Pacific Islands. Some also have applied their anthropological knowledge to solving practical problems in various parts of the world.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	3	3
_____ Select	Humanities ¹	—	3
_____ ENGL 101, 102	Composition I and II ¹	3	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Human Health ¹	2	—
		14	15
<i>Second Year</i>		Fall	Spring
_____ Select	Mathematics ¹	—	3
_____ Select	Integrative Studies ¹	3	3
_____ SPCM 101, ANTH 240C	Introduction to Oral Communication ¹ and Archaeology ⁴	3	3
_____ FL	Foreign Language ²	4	4
_____ ANTH 240A, 240D	Biological and Sociocultural Anthropology ^{3,4}	3	3
_____ ANTH 240B	Linguistic Anthropology ⁴	3	—
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	Course in ANTH 310 series	3	—
_____ Select	Course in ANTH 410 series	—	3
_____ Select	400-level ANTH course	3	—
_____ Select	300–400 ANTH course	—	6
_____ Select	English composition or writing-intensive course ⁵	3	—
_____ Select	Elective or minor courses to include at least 9 hours at the 300-400 level	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ ANTH 480	Senior Seminar	3	—
_____ Select	Anthropology elective	3	3
_____ Select	Elective or minor courses to include at least 15 hours at the 300–400 level	9	11
		15	14

¹ See University Core Curriculum. ANTH 104, 202, and 204 recommended as core courses in Social Science and Integrative Studies.

² Completion of the second semester of a foreign language is required of all liberal arts students. Students intending to pursue a graduate education should realize that a foreign language would probably be required for graduate school admission; for these students two years of foreign language is recommended.

³ Sociocultural Anthropology is central to major requirements and should be taken as soon as possible. Any two of 240A, B, and C may be taken the second year. All four, (240 A,B,C, and D), must be taken as a requirement for the major.

⁴ Grades below C in anthropology courses will not be accepted as fulfilling major requirements.

⁵ COLA requires a writing intensive course beyond the English composition requirement of the Core Curriculum. Information on courses that will fulfill this requirement is available from the academic adviser.

Anthropology as a Major

The core of the program is a set of four courses that introduce the basic questions and issues of the sub-fields and the methods and techniques used to address them. The core is supplemented by specialty courses that cover societies in different geographic area: economic and ecological anthropology, the anthropology of law, applied anthropology, human evolution, human genetics and demography, religion, language and culture, primate behavior, and origins of civilization. Several applied or “hands-on” courses provide actual experience in the laboratory and the field, and there is a practicum in museum studies.

Undergraduates are encouraged to get involved in anthropology outside the classroom. Students often work on varied field and laboratory research projects, and two archaeology field schools are offered every summer. The undergraduate Anthropology Club sponsors such activities as trips to nearby archaeological sites, and lectures. Visiting anthropologists from other universities present talks, and the SIU Carbondale faculty and graduate students regularly give informal lunchtime lectures about their current research.

Representative First Job Titles

Secondary or college teacher, museum curator, social worker, archaeologist, contract archaeologist, applied linguist, park service historian, population analyst, physical anthropologist, overseas sales representative, personnel officer, archivist, community development planner, medical anthropologist, exhibit preparation, archival worker.

Architectural Studies

College of Applied Sciences and Arts
(Bachelor of Science)

Craig Anz, Architectural Studies Coordinator
School of Architecture
416 Quigley Hall
Telephone: (618) 453-3734
E-mail: canz@siu.edu
<http://www.architecture.siu.edu/>

The Bachelor of Science in Architectural Studies (BSAS) is a four-year pre-professional program that prepares graduates for careers in architecture and related fields, or to enter masters-level programs. Graduates with a BSAS degree are prepared for entry-level positions in architecture and related fields at a limited level. Ultimately, most graduates will continue their education in a professional-level Master of Architecture (MArch) program in order to satisfy education requirements for licensure.

To support students in their educational endeavors, sophomores, juniors and seniors are provided dedicated studio space. Department facilities include a resource library, model/furniture shop and a dedicated computer graphics laboratory. The computer graphics laboratory will provide access to input/output devices. Each student is required to purchase or lease a laptop computer and software that meets departmental specifications prior to the start of the 200-level courses. Laptop and software specifications will be supplied during the registration process.

Students are encouraged to participate in profession-related student organizations, which include the American Institute of Architecture Students, Construction Specifications Institute, and Illuminating Engineering Society. Additional activities designed to enhance the overall quality of education include the University Honors Program, travel study programs, workshops and guest lectures.

All applicants must satisfy standard University baccalaureate entrance requirements in order to be admitted into the University and included in the Architectural Studies applicant pool. Enrollment in the Architectural Studies program will be based upon Enrollment Management criteria. Transfer students will be evaluated on grade point average as calculated by Southern Illinois University Carbondale.

If a student receives a grade of *F* three times in the same course, the course cannot be taken again. Students cannot repeat Architectural Studies prefix courses in which they received a grade of *C* or better.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ARC 121, 122	Design Communication I and II	4	4
_____ ENGL 101, 102	English Composition I and II	3	3
_____ UCOL 101, HIST 101B	Foundations of Inquiry and History of World Civilization II ¹	3	3
_____ MATH 111, SPCM 101	Precalculus and Speech Communication	4	3
_____ Select, Select	Human Health and Social Science	2	3
		16	16
<i>Second Year</i>		Fall	Spring
_____ ARC 231, 232	Architectural History I and II	3	3
_____ ARC 251, 252	Design I: Concept and Design II: Order	4	4
_____ ASA 271, 242	Computers in Architecture and Building Technology I: Wood	3	3
_____ PHYS 203A,B	College Physics	3	3
_____ PHYS 253A,B	College Physics Laboratory	1	1
_____ HIST 101A, Select	History of World Civilization I, Science Group II	3	3
		17	17
<i>Third Year</i>		Fall	Spring
_____ ARC 341, 342	Building Technology II: Masonry and Concrete and III: Steel	4	4
_____ ARC 351, 352	Design III: Context and Design IV: Complexity	5	5
_____ ARC 361, 362	Structures I: Statics and Steel and II: Wood and Concrete	3	3
_____ ARC 381, Select	Environmental Design I: Site Planning and Social Science	2	3
		14	15
<i>Fourth Year</i>		Fall	Spring
_____ ARC 451, 452	Design V: Urban Design and Community and VI: Integration	6	6
_____ Select, ARC 462	Elective and Structures III	3	3
_____ ARC 481, 482	Environmental Design II and III	3	3
_____ Select, Select	Multicultural and Elective	3	3
_____ Select	Elective	3	—
		18	15

Transfer students should concentrate on completing University Core Curriculum requirements, since major courses should be taken at SIU. Because of required sequences of laboratory/studio classes in Architectural Studies, community college transfer students who have completed an associate's degree will require three years' additional study to complete the bachelor's degree.

Representative Career Options

Traditional architecture practice, facility management, construction management, government-related fields, education, planning, engineering-related fields, landscape design, interior design, sales, and historic preservation.

Art

(Art Education)
(Ceramics)
(Communication Design)
(Drawing)
(Glass)
(Industrial Design)
(Metalsmithing)
(Painting)
(Printmaking)
(Sculpture)

Marie Bukowski, Director
School of Art and Design
113 Allyn Building
Telephone: (618) 453-4315
<http://www.artanddesign.siu.edu>

Valerie Brooks Wallin, Academic Advisor
Telephone: (618) 453-4313
E-mail: vlbrooks@siu.edu

College of Liberal Arts
(Bachelor of Fine Arts)

The B.F.A. degree program meets the objectives of students interested in a particular studio discipline or the professional world of design. 125 semester hours are required for graduation: 41 hours in University Core Curriculum, 15 hours in art history (six of which also satisfy University Core Curriculum requirements), and 69 hours in studio art (three of which also satisfy a University Core Curriculum requirement).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101C, SPCM 101	Foundations of Inquiry <i>and</i> Introduction to Oral Communication ¹	3	3
_____ Select	Social Science ^{1, 2}	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	Mathematics ¹	3	—
_____ AD 100A, 100B	Foundation Studio A and B ³	3	3
_____ AD 110	Introduction to Drawing I	3	—
_____ AD 120	Introduction to Drawing II	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Social Science <i>and</i> Science ^{1, 2}	3	3
_____ Select	Science ¹	—	3
_____ AD 207 A,B,OR C	Introduction to Art History ³	3	3
_____ AD 249/213/Select	Design Process and Presentation (CD majors), ID Materials and Processes (ID majors), <i>or</i> Studio (all others)	3	—
_____ AD 122/223/Select	Communication Drawing (CD majors), Rendering and Graphics (ID majors), <i>or</i> studio (all others)	3	—
_____ AD 222/219/ Select	Typography I (CD majors), Beginning Digital Art and Design (all majors), <i>or</i> Studio (all others)	—	3
_____ AD 219/313/Select	Beginning Digital Art and Design (all majors), Computer-aided Industrial Design (ID majors) <i>or</i> Studio (all others)	—	3
_____ Select	Multicultural ¹	3	—
		15	15

¹ See University Core Curriculum.

² The following must be taken for art education: PSYC 102.

³ All specializations in the School of Art and Design receive nine hours of University Core Curriculum credit: AD 100A or B and two of AD 207A, B, or C.

Art Education as a Major

The art education program is a combination of studio art, art history, art education, and traditional education courses that prepare students for careers as art teachers in elementary and secondary schools. The direction of the program equips the graduate with the technical skills, historical understanding, and philosophical and practical theory to deal with traditional as well as contemporary trends in art education. Students considering art education as a major should become aware of the requirements for entrance into the Teacher Education Program. Classroom observation is stressed early in the curriculum and culminates in a student-teaching semester. Upon graduation, students will meet the requirements for teacher certification in Illinois. The program is fully accredited by the National Council for the Accreditation of Teacher Education (NCATE) and the Illinois State Office of Education.

Industrial Design as a Major

Industrial designers create articles that are useful, safe, economical, attractive, and appropriate for specific human needs. They visualize and develop a wide range of items, from simple tools to complex microelectronic hardware, rehabilitation equipment to transportation systems. Under faculty supervision, students learn to use the theories, techniques, and materials common to the profession for defining the problem, assessing the need, developing the solution, and creating the product.

Representative First Job Titles

Product design intern, industrial designer, human factors design specialist, prototype/model maker, product/game designer, model maker, toy designer, or research and development/product developer.

Communication Design as a Major

Communication Design is the specialization that creates, informs, and modifies the world around us. Its curriculum provides students with a thorough understanding of and competence in communication in a digital-based society. It includes broad-based technical instruction along with instruction in typography, digital graphic technology, design concepts, information design, and industry standards required by the communication field.

Communication design students learn to combine and develop concepts and employ visualization techniques that instruct, interpret, and/or persuade. This curriculum focuses on message content and theory in print, web, and interactive/multimedia design.

Representative First Job Titles

Multimedia Design, Web Designer, Web Communication Designer, Graphic Communication, Digital Imaging, Multimedia, Interactive Graphic Design, Internet Communication, Motion Graphics, Art Director, or Creative Director.

Studio Art as a Major (drawing, painting, printmaking, sculpture, ceramics, metals, glass)

The program consists of intense study and practice in the selected art specializations. All students are required to participate in a B.F.A. seminar and present a senior thesis exhibition. The School of Art and Design will evaluate all transfer credit that pertains to B.F.A. curricula.

Studio courses will be evaluated for transfer credit on the basis of presentation of the work (or professional quality images of it) executed in the course(s). Admission is based on a portfolio review to be conducted when students choose, generally during the particular semester in which 27 hours of major coursework is completed. The 125-semester-hour program requirement is in keeping with the professional emphasis of the B.F.A. degree.

Each year the School of Art and Design presents the Rickert-Ziebold Trust Award to winners of a competition open to all graduating seniors. Those judged outstanding by the faculty share a \$20,000 annual award. Past winners include the following community college transfer students: Amy Winkel, Salt Lake Community College; Steven Foutch, Kaskaskia College; James Tierney, College of Lake County; Chris B. Davis, John A. Logan College; Anthony Cotta, Illinois Central College; Rebecca Frolker, John A. Logan College; Paula McAteer, John A. Logan College and Southwestern Illinois College; Katy Setchell, John A. Logan College and Illinois Valley Community College; Sarah Vaughn, Lincoln Trail College, Frontier College, and Olney Central College; John Michael McLain, John A. Logan College; Charles "Grant" Cox, Southeastern Illinois College; Joshua Ingold, John A. Logan College; Jason Watts, Illinois Central College; Wesley Valdez, East Central College; Andrew Jensen, Black Hawk College; and Zachary Valent, Illinois Central College.

The School of Art and Design is accredited by the National Association of Schools of Art and Design (see Accreditations and Affiliations in the front of this catalog for addresses and phone numbers of national accrediting agencies).

Representative First Jobs

Many B.F.A. graduates go on to graduate school pursuing the M.F.A. degree in their selected disciplines. Others establish their own studios as independent artists and craft persons or accept positions in discipline-related fields.

Art

(Art Education)
(Art History)
(General Studio)
College of Liberal Arts
(Bachelor of Arts)

Marie Bukowski, Director
School of Art and Design
113 Allyn Building
Telephone: (618) 453-4315
<http://www.artanddesign.siu.edu>

Valerie Brooks Wallin, Academic Advisor
103 Allyn Building
Telephone: (618) 453-4313
E-mail: vlbrooks@siu.edu

(Art Education)
College of Education and Human Services
(Bachelor of Science)

135 Wham Education Building
Telephone: (618) 453-2354

The B.A./B.S. degree program in art education prepares students to earn the Illinois Standard Special Certificate to teach art in grade levels kindergarten through twelve. (See also art education degree under the B.F.A. degree in art.) Students learn studio practices, art history, basic art criticism, and aesthetics as these apply to the art classroom. The B.A. degree program in general studio enables undergraduate students to acquire skills in studio practices in more than one studio area. The B.A. degree program in art history provides rigorous liberal arts training in analytical and critical viewing, reading, thinking, speaking, and writing. It prepares students for graduate study, for professional school, and for careers in museums, galleries, auction houses, publishing, and other fields. Majors take courses in art history, studio art, and in the University Core Curriculum and enjoy a wide choice of electives.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <<http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Science ¹	3	3
_____ PSYC 102	Introduction to Psychology	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	3	—
_____ Select	Health ¹	—	2
_____ AD 100A, 100B	Foundation Studio A <i>and</i> B ³	3	3
_____ AD 110	Introduction to Drawing I	3	—
_____ AD 120	Introduction to Drawing II ⁴	—	3
		15	17
<i>Second Year</i>		Fall	Spring
_____ EDUC 311	Diversity, Culture, and Education in a Pluralistic Society	—	3
_____ AD 208, EDUC 314	Intro to Art Education <i>and</i> Human Growth, Development, & Learning	3	3
_____ SPCM 101, AD 318	Introduction to Oral Communication <i>and</i> Curriculum Building with Art	3	3
_____ AD 201, 203	Introductory Painting ⁵ <i>and</i> Beginning Sculpture	3	3
_____ AD 219, 202	Beginning Digital Art and Design <i>and</i> Introductory Printmaking ^{5,7}	3	3
_____ AD 207A/B/C	Introduction to Art History ³	3	3
		15	18

¹ See University Core Curriculum.

² The following must be taken for art education: PSYC 102.

³ All specializations receive nine hours of University Core Curriculum credit for AD 100a or b and two from 207A, B, or C.

⁴ For the *art history* degree program, AD 100A, 100B, 110, and 120 are not specifically required. Replace with any 9 hours of studio art.

⁵ General studio students must take 15 hours of introductory studio courses in five different media.

⁶ Art history requires 8 hours of French or German studies, and general studio requires 8 hours of a foreign language.

⁷ Art education students must take AD 201, Introduction to Painting; AD 202, Introduction to Printmaking; AD 203, Beginning Sculpture; and AD 204, Beginning Ceramics.

Third and Fourth Year

During their third and fourth years, art history students take 24 hours from a rich variety of art history courses and 35 hours of liberal arts courses.

During their third and fourth years, general studio students take the remaining introductory studio courses, 27 hours of intermediate or advanced studio courses in at least 3 media, 3 hours of art history electives, and 8 hours of liberal arts electives.

Art Education as a Major

Students may pursue art education in either the College of Liberal Arts (BA or BFA) or the College of Education and Human Services (BS). Students considering the major should become aware of the requirements for entrance into the Teacher Education Program.

Art education students can pursue graduate programs in the College of Education and Human Services in such areas as curriculum and instruction, educational administration, educational psychology, or higher education.

Automotive Technology

College of Applied Sciences and Arts
(Bachelor of Science)

Michael Behrmann, Chair
Department of Automotive Technology
Telephone: (618) 453-4024
mbehr@siu.edu
<http://siuautomotive.com>

The B.S. Degree in Automotive Technology meets the goals of students interested in careers in the automotive, truck, power generation, and related ground transportation industry. The degree provides theoretical and practical hands-on application of knowledge through a combination of automotive technical courses and automotive business/management courses, along with computing and communication courses. The flexibility of the curriculum accommodates the needs of both incoming freshman and transfer students. Students have the option of focusing on multiple areas of emphasis, earning a minor, and possibly earning dual degrees. Students can adjust their focus in areas such as: automotive technical, automotive business operations, automotive management, automotive technical education, marketing, and management.

Enrollment in the Automotive Technology program is based upon established enrollment criteria as explained in Chapter 5 of the SIU Carbondale Undergraduate Catalog under Automotive Technology. The program welcomes students with A.A.S. degrees in Automotive Technology from regionally accredited colleges. These students may qualify for the Capstone Option, as discussed in Chapter 3 of the SIU Carbondale Undergraduate Catalog, which enables the student to graduate after completing 60 credit hours of approved courses. Individuals with an Associate in Arts degree or Associate in Science degree may be admitted, but would be required to follow a slightly different program of study.

SIU Carbondale's Automotive Technology program is master certified and meets the rigid standards of the National Institute for Automotive Service Excellence (ASE) and was named Number One Automotive Technology Program in the Nation for 1991, 1999, and 2005 by the Association of Automotive Manufacturers and the Association of Career and Technical Education.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____AUT 150, 180	Internal Combustion Engine Principles <i>and</i> Manual Drivetrains	9	—
_____AUT 120, 170	Automotive Electrical Principles <i>and</i> Automotive Powertrain Electronics	—	9
_____ENGL 101	Composition I	3	—
_____UCOL 101	Foundations of Inquiry	3	—
_____Select	University Core Mathematics	—	3
_____SPCM 101	Introduction to Oral Communications	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____AUT 215,216,280	Automotive Braking Systems, Auto Suspension and Steering Systems, <i>and</i> Automotive Air Conditioning Systems	9	—
_____AUT 240, 250	Automotive Engine Management I <i>and</i> II	—	9
_____Select	Business/Management Group II	—	3
_____Select	University Core Human Health	2	—
_____PHYS 101	Physics	3	—
_____ENGL 102	Composition II	—	3
		14	15
<i>Third Year</i>		Fall	Spring
_____Select	Auto 300/400 Level Technical	9	—
_____Select	Business/Management Group III.....	—	3
_____Select	University Core Social Science	3	3
_____Select	University Core Fine Arts.....	—	3
_____Select	University Core Humanities.....	3	3
_____Select	University Core Science Group II.....	—	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____Select	Auto 300/400 Level Technical	—	6
_____Select	Business/Management Group IV.....	3	3
_____Select	Business/Management Group I	—	3
_____Select	University Core Multicultural	3	—
_____Select	Automotive Technology Support Courses	9	4
		15	16

Representative Job Titles

Major automotive and truck manufacturers, component manufacturers and suppliers, government agencies, insurance organizations, educational institutions, training and curriculum organizations, and service providers are actively seeking four-year automotive technology graduates. The number of job titles and excellent starting salaries reflects the nature of a diverse and expanding field. Job titles include field service engineer, technical assistance specialist, serviceability engineer, district parts/service manager, customer support manager, automotive instructor, account manager, fleet manager, service advisor, dealership service manager, technical training specialist, district sales manager, field executive, technical writer, diagnostic developer, and product manager. These positions require a four-year degree with skills in communications, management and consumer relations as well as technical knowledge.

Aviation Flight

College of Applied Sciences and Arts
(Associate in Applied Science)

David Jaynes, Coordinator, Aviation Facilities and Enrollment

Southern Illinois Airport

Telephone: (618) 453-9235

E-mail: djaynes@aviation.siu.edu

<http://www.aviation.siu.edu>

The A.A.S. degree program in Aviation Flight meets the objective of students seeking professional flight instruction leading to a career in aviation. Students that complete the A.A.S. in Aviation Flight typically also complete the B.S. degree in Aviation Management in a two plus two arrangement. Transfer students with more than 26 semester hours of course work and previous flight experience should contact the aviation counselor to determine whether they can apply directly to the bachelor's degree program in aviation management.

NOTE: Admission to the aviation flight program at SIU Carbondale is determined by a selective admission process whereby the most qualified students are selected from applicants. All students who wish to pursue aviation flight as a major or as a second major must complete the aviation flight application process in addition to the application to SIU Carbondale.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ AF 101/UCOL 101Z	Foundations of Inquiry AVMAF	3	—
_____ AF 200	Primary Flight Theory	3	—
_____ AF 201A	Flight—Primary I	3	—
_____ AF201B	Flight Primary II	—	2
_____ AF 202	Flight—Basic and Intermediate Theory	—	3
_____ AF 203	Flight—Basic	—	5
_____ ENGL 101, 102	English Composition I and II	3	3
_____ MATH 125/108	Technical Mathematics with Applications or College Algebra	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
		15	16
Second Year			
_____ AF 205	Flight—Instrument Theory	3	—
_____ AF 204	Flight—Intermediate	5	—
_____ AF 260	Reciprocation and Jet Airplane Systems	—	4
_____ AF 206	Flight—Instrument	2	—
_____ AF 210	Human Factors for Aviators	—	4
_____ Select	UCC Science-Group I	—	3
_____ AF 207A	Flight—Advanced	—	2
_____ AF 207B	Flight—Multi-Engine Operations	—	2
_____ GEOG 330	Weather	4	—
		14	15

* Also see Aviation Management.

Students pursuing this degree incur additional costs. Students should plan on spending approximately \$60,300 to obtain the flight certifications contained in this course work. These flight costs are in addition to tuition and fees, room and board, etc. Flight instruction required in the aviation flight curriculum includes the Private Pilot, Commercial/Instrument, and Multi-Engine certificates and ratings.

Aviation Flight as a Major

Aviation Flight is situated at Southern Illinois Airport, approximately five miles from the main campus. Some training flights are required at night, on weekends, and at other times when University transportation may not be available. For this reason exceptions to student vehicle restrictions will be provided for freshman and sophomore flight students who have their own transportation.

The SIU Carbondale Aviation Flight program is an FAA 141–approved certificate Flight School with examining authority, providing comprehensive flight training that includes instruction for the most basic flight (Private Pilot) to the most advanced (Practicum in Air Carrier Operations). The SIU Carbondale Aviation Flight Program is also accredited by the Aviation Association Board International (AABI) through February, 2014. The University is in the process of seeking a renewal of its AABI accreditation.

Post-Associate Aviation Flight Courses

Additional courses are available for graduates of the associate degree program who want to become FAA certified single engine, multi-engine, and instrument flight instructors. Additional costs are associated with these courses. There is also a post-associate course entitled “Practicum in Air Carrier Operations” which provides qualified aviation flight students with 20 to 30 hours of “pilot-in-command” flight time in multi-engine aircraft.

In conjunction with enrollment in the Aviation Management (AVM) program, AF students are eligible for a wide range of flight-related internship or first officer programs at such airlines as United, Delta, United Parcel Service, Cape Air, American, and Southwest.

Aviation Management

College of Applied Sciences and Arts
(Bachelor of Science)

Michelle Parker-Clark, Academic Advisor
Southern Illinois Airport
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E-mail: mpclark@aviation.siu.edu
<http://www.aviation.siu.edu>

The B.S. degree program in Aviation Management meets the objectives of students preparing for employment in the aviation industry with a major that builds on previous technical training in aviation maintenance, flight, avionics technology, air traffic control, aircraft operations support, or other aviation-related fields, or by choosing a minor while completing the BS in AVM through SIU. The required technical training may be gained at SIU Carbondale in aviation flight or aviation technologies or through other post-secondary institutions, proprietary schools, the military, government agencies (international or domestic), or government-certified flight or maintenance training schools.

Students entering the aviation management major are encouraged to complete the requirements of an aviation-related associate degree under the provision of the Capstone Option. As an alternative to an associate degree in aviation, students in aviation management should have aviation-related work experience, internship experience, or technical training. Finally, concurrent enrollment in aviation-related degree programs, internships, cooperative education, or technical training *is required* for those students not having prior aviation training, experience, or education.

Students who major in aviation management may participate in the following aviation management-related internship/cooperative education programs:

1. The American Airlines Flight Operations Intern Program.
2. Boeing (St. Louis) cooperative education and internship programs.
3. Cape Air/Nantucket Airlines First Officer Program.
4. Delta Airlines/SIUC Flight Operations Internship.
5. Southwest Airlines.
6. The United Airlines Flight Operations Internship.
7. The United Parcel Service Airlines Flight Operations Intern Program.
8. Internships at various Midwest airports.

Graduates of aviation management program find professional, technical, and management positions in aviation manufacturing, airlines, general aviation, military aviation, and government agencies related to aviation.

Bachelor of Science Degree, College of Applied Sciences and Arts

University Core Curriculum requirements	41
Requirements for major in Aviation Management	48
Core Requirements: Twenty-one hours selected from the following as approved by the adviser:	
AVM 301, 302, 303, 371, 377, 385, 386, and/or 402	21
Six hours selected from the following: AVM 360, 361, 362, 370, 372, 373, 374, 375, 376, 378, 460, and 461	6
Twelve hours selected from the following as approved by the adviser: Aviation Management 300, 319, 320, 349, 350;	
401, 450 or approved equivalent	12
Nine hours of additional adviser-approved 300- or 400-level Aviation Management courses or	
adviser-approved specialization electives	9
Approved Career Electives	31
Total	120

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First and Second Years

For those interested in learning to fly at Southern Illinois University Carbondale, see the Aviation Flight curriculum guide. Most students take the Aviation Flight program or an equivalent program at a community college and then transfer to the AVM program at SIU Carbondale. The sample curriculum assumes completion of University Core Curriculum English, Science, Mathematics, and Speech requirements in the first two years. Program entry under the Capstone Option is also assumed. Off-campus students satisfy the University Core Curriculum requirements and approved career elective requirements through transfer credit.

<i>Third Year</i>		Fall	Spring
___ Select	AVM Core (select from 301, 303, 371, 377)	6	6
___ Select	University Core ¹	6	6
___ Select	AVM Specialization Requirement (select from 360, 370, 372, 373, 374, 375, 376, 378, 460, 461)	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
___ Select	AVM Core (select from 302, 385, 386, 402)	6	3
___ Select	AVM Specialization Electives	6	3
___ Select	Independent Study, Internship, or Approved Equivalent	3	9
		15	15

¹See University Core Curriculum.

Also, Minors are available in Airport Management and Planning; Air Traffic Control, and Aircraft Product Support Management.

Aviation Technologies

(Aircraft Maintenance)
(Helicopter Maintenance)
(Aviation Electronics)
(FAA Airframe and Powerplant Certificates)
College of Applied Sciences and Arts
(Bachelor of Science)

SIU Carbondale Aviation Technologies
635 Flightline Rd
Murphysboro, IL 62966
Telephone: (618) 536-3371
<http://www.aviation.siu.edu>

The B.S. degree program in Aviation Technologies is designed to enhance the technical training students have received in electronics or aviation maintenance. This technical training may be obtained through SIU Carbondale by completing the FAA approved Airframe and Powerplant certificate requirements, from other post-secondary institutions, in the military, or other FAA-approved maintenance schools certified under F.A.R. Part 147.

General aviation aircraft, helicopters, and transport category aircraft require highly trained technicians to troubleshoot systems and maintain airframe structures and powerplants. The programs in the Department of Aviation Technologies are ranked among the best in the country, and were developed with input from industry representatives and the Federal Aviation Administration (FAA) to provide the requisite skills and broad educational experience for today's competitive environment. Optional paths within the major provide a great deal of flexibility in preparing for a career in the aviation industry. Students may pursue the FAA approved airframe and powerplant certificates in a five-semester sequence of coursework, or they may include the coursework required for the airframe and powerplant certificate as part of their four-year bachelor's degree in Aviation Technologies.

Transfer students entering the aviation technologies program are encouraged to have completed an appropriate associate degree or its equivalent under the provisions of the Capstone Option. This option allows qualified students to fulfill their degree requirements by completing no more than 60 semester hours of course work beyond their associate degree.

There are three specializations: aircraft maintenance, helicopter maintenance, and aviation electronics. Courses in each of these areas have been selected to provide the student with optimum exposure to theory in the classroom and to develop practical, hands-on skills both in the hangar and in specially designed, task-dedicated laboratories. A basic tool kit is required for all students in Aviation Technologies. Students should expect to spend about \$600 for a tool kit. In addition to University tuition and fees, lab fees, are assessed for the lab portion of appropriate courses. For current charges contact the Department of Aviation Technologies.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

Aircraft Maintenance Specialization

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108/125, SPCM 101	Mathematics and Speech Communications	3	3
_____ Select	Core Humanities	3	3
_____ Select	Technical Electives	3	6
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Core Science.....	3	3
_____ Select	Core Social Science	3	3
_____ Select	Core Fine Arts	3	—
_____ Select	Core Multicultural	—	3
_____ Select	Technical Electives	6	6
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	Specialization Electives	3	3
_____ AVT 380, 390	Aerospace Supply Chain Logistics and Management Info Systems for Aerospace Apps	3	3
_____ AVT 310, 327	Aircraft Electrical Systems and Aircraft Communication, Navigation and Pulse Systems	5	5
_____ AVT 410	Advanced Composites	3	—
_____ Select	Technical Electives	—	5
		14	16
<i>Fourth Year</i>		Fall	Spring
_____ Select	Core Human Health.....	—	2
_____ Select	Specialization Electives	12	—
_____ Select	Technical Electives	3	7
_____ AVT 416	Advanced Propulsion Systems	—	3
_____ AVT 405	Flight Management Systems	—	3
		15	15

Aviation Electronics Specialization

First Year		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108/125, SPCM 101	Mathematics <i>and</i> Speech Communications	3	3
_____ Select	Core Humanities	3	3
_____ Select	Technical Electives	3	6
		15	15
Second Year		Fall	Spring
_____ Select	Core Science	3	3
_____ Select	Core Social Science	3	3
_____ Select	Core Fine Arts	3	—
_____ Select	Core Multicultural	—	3
_____ Select	Technical Electives	6	6
		15	15
Third Year		Fall	Spring
_____ AVT 321	Radio Theory and Practice	3	—
_____ AVT 405	Flight Management Systems	—	3
_____ AVT 310, 327	Aircraft Electrical Systems <i>and</i> Aircraft Communication, Navigation and Pulse Systems	5	5
_____ AVT 317, 318	Intro to Aviation Electronics <i>and</i> Aviation Electronics Control Systems	3	3
_____ Select	Specialization Elective	3	—
_____ Select	Technical Electives	—	5
		14	16
Fourth Year		Fall	Spring
_____ Select	Core Human Health	2	—
_____ AVT 422	Aviation Radar Systems	—	3
_____ AVT 460	Digital Data Bussing and Electronic Flight Instrument System (EFIS) Theory	—	3
_____ AVT 465	Digital Data Bussing and Electronic Flight Instrument System Laboratory	—	4
_____ Select	Specialization Elective	6	3
_____ Select	Technical Electives	6	3
		14	16

Helicopter Maintenance Specialization

First Year		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108/125, SPCM 101	Mathematics <i>and</i> Speech Communications	3	3
_____ Select	Core Humanities	3	3
_____ Select	Technical Electives	3	6
		15	15
Second Year		Fall	Spring
_____ Select	Core Science	3	3
_____ Select	Core Social Science	3	3
_____ Select	Core Fine Arts	3	—
_____ Select	Core Multicultural	—	3
_____ Select	Technical Electives	6	6
		15	15
Third Year		Fall	Spring
_____ Select	Core Human Health	—	2
_____ AVT 310, 327	Aircraft Electrical Systems <i>and</i> Aircraft Communication, Navigation and Pulse Systems	5	5
_____ Select	Specialization Elective	3	3
_____ Select	Technical Electives	7	5
		15	15
Fourth Year		Fall	Spring
_____ AVT 301, 302	Helicopter Theory and General Maintenance Practice <i>and</i> Laboratory	9	—
_____ AVT 304, 306	Helicopter Power Train and Inspection <i>and</i> Laboratory	—	9
_____ Select	Specialization Elective	6	6
		15	15

Airframe and Powerplant Maintenance (FAA approved Certificate Only)

First Semester

		Credit Hours	Lecture Hours/Wk	Lab Hours/Wk
_____ MATH 125	Technical Mathematics with Applications	4	4	0
_____ AVT 101	Applied Science	5	3	3
_____ AVT 110	Aircraft Structures.....	5	2	5
_____ AVT 111	Materials Processing.....	5	4	2
_____ AVT 113	Federal Aviation Regulations.....	3	2	2
		22	15	12

Second Semester

_____ AVT 112	Aircraft Electricity	5	3	4
_____ AVT 116	Aircraft Instrument	3	2	2
_____ AVT 203	Aircraft Aerodynamics.....	3	2	2
_____ AVT 204	Aircraft Hydraulics.....	4	2	4
_____ AVT 206	Metals Processing	4	2	3
_____ AVT 214	Aircraft Propellers	3	2	2
		22	13	17

Third Semester

_____ AVT 211	Reciprocating Powerplant	5	3	4
_____ AVT 212	Carburetion, Lubrication, and Fuel.....	5	3	4
_____ AVT 213	Ignition Systems	5	3	3
_____ AVT 310	Aircraft Electrical Systems	5	3	4
		20	12	15

Fourth Semester

_____ AVT 305	Cabin Environment and Jet Transport Systems	5	3	4
_____ AVT 315	Powerplant Testing.....	5	3	4
_____ AVT 316	Jet Propulsion Powerplant.....	5	3	4
_____ AVT 327	Aircraft Communication, Navigation Pulse System.....	5	4	2
		20	13	14

Summer Session (8 weeks only)

_____ AVT 340	Aircraft Inspections	6	4	12
_____ AVT 345	Powerplant Inspections	6	4	12
		12	8	24

Aviation Technologies as a Major

Facilities for Aviation Technologies are located at the Southern Illinois Airport, three miles NNW of the Carbondale campus and three miles ENE of Murphysboro, Illinois.

The SIU Carbondale Aviation Technologies program is acclaimed by many branches of the aviation industry and government agencies as the best school of its kind in the nation. Students will work with more than \$14 million worth of state-of-the-art equipment and training aids, animated training panels, systems trainers, and computer training software covering a variety of jet aircraft. Included are the Boeing 707, 727, 737, 747, 757, 767, and the Douglas DC 8, DC 9, DC 10, MD 11, and MD 80 aircraft. Operational DC 10 and Boeing 747 cockpit procedures trainers are used for instruction as well as an operational Boeing 737-222 aircraft. Students may join such student organizations as Alpha Eta Rho International Aviation Fraternity, the Rotor and Wing Association of America, and even a radio-controlled model airplane club. Members of these organizations often sponsor events like fly-ins, air shows, and field trips to sites of aviation activities. An advisory committee that serves the program is made up of executives in the aviation industry.

Representative First Job Titles

Aviation maintenance technician, airframe and powerplant mechanic, structural mechanic, composite technician, aircraft inspector, aircraft maintenance planner, sheet metal mechanic, helicopter mechanic, project manager, maintenance director, aviation maintenance instructor, avionics engineer, and technical writer.

Biological Sciences

College of Science
(Bachelor of Science)

Carey Krajewski, Interim Director
Biological Sciences Program
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E-Mail: careyk@siu.edu
www.biologicalsciences.siu.edu

The B.S. degree program in Biological Sciences (College of Science) meets the objectives of students seeking to enter two career paths, each represented by a distinct track within the major: (1) Biomedical Sciences, for students planning to enter the human health professions (e.g., medicine, dentistry) or pursue careers in biomedical research; and (2) Ecology, for students planning to pursue graduate studies or employment in community or ecosystem ecology, environmental biology, or habitat conservation. Courses are selected from the offerings of the four life science departments (Microbiology, Physiology, Plant Biology, and Zoology) to provide breadth of training.

NOTE: A sample curriculum for the Biomedical Science track follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____UCOL 101, ENGL 101	Foundations of Inquiry <i>and</i> Composition I	3	3
_____BIOL 200A,B	Cell and Molecular Biology, Genetics and Evolution ¹ , <i>and</i> Organismal and Ecological Biology	4	4
_____MATH 108, 109	College Algebra <i>and</i> Trigonometry ²	3	3
_____CHEM 200, 201, 202	Introduction to Chemical Principles <i>and</i> Lab ¹	5	—
_____CHEM 210, 211, 212	General and Inorganic Chemistry <i>and</i> Lab	—	5
		15	15
<i>Second Year</i>		Fall	Spring
_____ENGL 102, 290	Composition II <i>and</i> Intermediate Analytical Writing	3	3
_____PHYS 203A, 253A	College Physics A <i>and</i> Lab	4	—
_____PHYS 203B, 253B	College Physics B <i>and</i> Lab	—	4
_____CS 201	Problem Solving with Computers ⁴	3	—
_____BIOL 306, PHSL 301	Cell Biology <i>and</i> Survey of Human Anatomy	3	4
_____SPCM 101, Select	Introduction to Oral Communications <i>and</i> Social Science ³	3	3
		16	14
<i>Third Year</i>		Fall	Spring
_____BIOL 305, PHSL 310	Principles of Genetics <i>and</i> Principles of Physiology	3	5
_____MICR 301, PLB 360	Principles of Microbiology <i>and</i> Introductory Biostatistics ⁴	4	3
_____CHEM 340, 341	Introduction to Organic Chemistry <i>and</i> Lab	5	—
_____CHEM 350, 351	Introduction to Biological Chemistry <i>and</i> Lab	—	5
_____Select	Humanities ³ <i>and</i> Social Science ³	3	3
		15	16
<i>Fourth Year</i>		Fall	Spring
_____Select	Life Science electives	6	6
_____Select	Fine Arts ³ <i>and</i> Multicultural ³	3	3
_____Select	Electives	4	3
_____Select, PHSL 490	Humanities ³ <i>and</i> Senior Seminar	3	1
		16	13

¹Fulfills a University Core Curriculum science requirement.

²Fulfills the University Core Curriculum mathematics requirement. MATH 111 or 141 or 150 may be substituted for MATH 108 and 109.

³See University Core Curriculum.

⁴These courses fulfill the College of Sciences Supportive Skills requirement. CS 105 or 20B may be substituted for CS 201. ENGL 291 or 391 may be substituted for ENGL 290. Students may also satisfy the requirement with any two-semester sequences of a foreign language.

⁵Fulfills the University Core Curriculum human health requirement.

Biological Sciences as a Major

The Biomedical Science track is specifically designed for students wishing to enter the human health professions (i.e., medicine, dentistry, chiropractic, nursing, optometry, pharmacy, physical therapy, physician assistant, podiatry, or public health) either by attending a professional school after graduation, or by entering the technical workforce. The track is also appropriate for those interested in biomedical research, including graduate study. The Ecology track is specifically designed for students who plan on graduate study in community or ecosystem ecology, or related fields, including habitat conservation and environmental biology.

Representative First Job Titles

Biomedical Science graduates may advance through professional schools to become medical doctors, dentists, chiropractors, nurses, optometrists, pharmacists, physical therapists, physician assistants, podiatrists, or public health workers. Entry-level positions include laboratory and medical technicians. Ecology graduates may advance through graduate school to become academic, governmental, or industrial researchers, managers, or consultants. Entry-level positions include field technician, environmental scientist, and conservation officer.

Biological Sciences

College of Education and Human Services
(Bachelor of Science)

Carey Krajewski, Interim Director
Biological Sciences Program
Telephone: (618) 453-4128
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www.biologicalsciences.siu.edu

The B.S. degree program in Biological Sciences (College of Education and Human Services) is designed for students seeking to obtain certification as secondary (grades 9-12) biology teachers in Illinois. Course requirements match content areas specified by the Illinois State Board of Education for science with a designation in biology. Students must apply to and be accepted by the Teacher Education Program after completing specific requirements.

NOTE: A sample curriculum for the Biology Education track follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, MATH 108	Foundations of Inquiry <i>and</i> College Algebra ^{1,2}	3	3
_____ ENGL 101, 102	Composition I ¹ <i>and</i> Composition II ¹	3	3
_____ CHEM 200, 201, 202	Introduction to Chemical Principles <i>and</i> Lab ^{1,3}	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry <i>and</i> Lab ¹	—	5
_____ BIOL 200A	Cell and Molecular Biology, Genetics, and Evolution ^{1,3}	4	—
_____ BIOL 200B	Organismal and Ecological Biology ¹	—	4
		15	15
<i>Second Year</i>		Fall	Spring
_____ EDUC 314, EDUC 311	Human Growth, Development & Learning ¹ <i>and</i> Schooling in a Diverse Society ¹ ...	3	3
_____ PHYS 203A, 253A	College Physics A <i>and</i> Lab ¹	4	—
_____ PHYS 203B, 253B	College Physics B <i>and</i> Lab ¹	—	4
_____ GEOL 220, 223	The Dynamic Earth <i>and</i> Lab ¹	4	—
_____ PSYC 102	Introduction to Psychology ⁵	—	3
_____ SPCM 101, ZOOL 220	Introduction to Oral Communications <i>and</i> Animal Diversity ¹	3	5
		14	15
<i>Third Year</i>		Fall	Spring
_____ BIOL 305, 304	Principles of Genetics ¹ <i>and</i> Evolution ¹	3	3
_____ BIOL 306, 307	Cell Biology ¹ <i>and</i> Principles of Ecology ¹	3	3
_____ PHYS 103, Select	Astronomy ¹ <i>and</i> Fine Arts ⁴	3	3
_____ PHIL 307I, Select	Philosophy of Science, Nature and Technology ^{1,6} <i>and</i> Humanities ⁴	3	3
_____ EDUC 313	Intro to Reflective Teaching Practice ¹	—	3
_____ EDUC 301	Clinical I, Reflective Instructional Practices ¹	1	—
		13	15
<i>Fourth Year</i>		Fall	Spring
_____ EDUC 319	Characteristics and Methods for Teaching Exceptional Children ¹	3	—
_____ EDUC 308	Language, Culture and Learning ¹	—	3
_____ PLB 480	Senior Seminar	—	1
_____ PHSL 201, 208	Human Physiology and Lab ^{1,7}	4	—
_____ CI 468, 360	Science Methods ¹ <i>and</i> Teaching Reading and Writing in Secondary Content ¹	3	3
_____ EDUC 302, 303	Clinical II and Clinical III	1	1
_____ Select, PLB 360	400-level Elective <i>and</i> Introductory Biostatistics ¹	3	3
_____ Select	Life Science 400-level electives ¹	3	3
		17	14

Biology Education majors must also take one full semester of student teaching (EDUC 401, 12 hours).

¹ Must earn a grade of C or better.

² Fulfills a University Core Curriculum mathematics requirement.

³ Fulfills a University Core Curriculum science requirement.

⁴ See University Core Curriculum

⁵ Fulfills a University Core Curriculum social science requirement.

⁶ Fulfills a University Core Curriculum humanities requirement.

⁷ Fulfills a University Core Curriculum human health requirement.

Business and Administration

Jill Gebke, Assistant Dean of Student Services

133A Rehn Hall

Telephone: (618) 453-7487

E-mail: jgebke@business.siu.edu

Website: <http://onlineug.business.siu.edu>

This AACSB-accredited, special admission online undergraduate degree completion program is designed for students who are seeking a well-rounded business degree with flexibility. This program is designed for off-campus students, who are not able to take traditional classes, who have completed the lower level general business core classes and University Core Curriculum requirements. This includes students from community colleges and other universities, as well as returning students looking to complete the remaining portion of their bachelor's degree. Students in this program will earn a Bachelor of Science degree in Business and Administration. As this is a degree completion program, to be admitted students should have completed at least 60 college credit-hours, including all University Core Curriculum classes and lower level business courses as required by the College of Business. A major in Business and Administration requires students to earn a minimum grade of C in each of the courses taken at SIU Carbondale to satisfy the requirements for the Business and Administration major, and students must earn a minimum 2.0 grade point average for those major courses. Students should apply to Southern Illinois University Carbondale: <http://admissions.siu.edu>. The program is 100% online delivery.

NOTE: A sample curriculum follows. For more information, please visit the website at <http://onlineug.business.siu.edu> or email Jill Gebke at jgebke@business.siu.edu.

<i>Third Year</i>		Fall	Spring
_____ FIN 270	Legal Environment of Business	3	—
_____ MGMT 202	Business Communications	3	—
_____ MKTG 304	Marketing Management	3	—
_____ MKTG 305	Consumer Behavior	3	—
_____ MGMT 345	Computer Information Systems	—	3
_____ MGMT 380	Managing Information Systems.....	—	3
_____ MKTG 336	International Business	—	3
_____ MKTG 435	International Marketing	—	3
		12	12
<i>Third Year</i>		Summer	
_____ MGMT 304	Introduction to Management	3	
_____ MGMT 318	Production Operations Management	3	
		6	
<i>Fourth Year</i>		Fall	Spring
_____ FIN 330	Introduction to Finance	3	—
_____ FIN 331	Investments	3	—
_____ MKTG 363	Promotions	3	—
_____ MKTG 463	Advertising Management	3	—
_____ MGMT 341	Organizational Behavior	—	3
_____ MGMT 385	Personnel and Human Resources	—	3
_____ MGMT 350	Small Business Management	—	3
_____ FIN 350	Small Business Finance	—	3
		12	12
<i>Fourth Year</i>		Summer	
_____ MGMT 446	Leadership and Management	3	
_____ MGMT 481	Administrative Policy	3	
		6	

1. The Lower Level Business Core Curriculum should contain the following courses or SIU Carbondale equivalent:
 - ACCT 220 (Accounting I-Financial) AND ACCT 230 (Accounting II-Managerial)
 - ECON 240 (Intro to Microeconomics) AND ECON 241 (Intro to Macroeconomics)
 - ENG 101 (English Composition I) AND ENG 102 (English Composition II)
 - MATH 139 (Finite Mathematics) AND MATH 140 (Short Course in Calculus)
 - MGMT 208 (Business Data Analysis)
 - PSYCH 102 (Intro to Psychology) OR SOC 108 (Intro to Sociology)
 - SPCM 101 (Intro: Oral Communication)

For transfer equivalencies, please visit www.transfer.siu.edu.

2. Students must have applied, been accepted, and be registered at least one week prior to start of the program.
3. A minimum of 120 semester hours are required for graduation. Consultation with a College of Business advisor is recommended prior to program application.
4. It is strongly recommended that the pre-requisite courses listed above be completed before the junior year because many of them are prerequisites to later requirements.
5. The program is accredited by the AACSB International.

Graduate degrees available: Master of Business Administration (M.B.A.) – available online, Master of Accountancy (M.Acc.), and Doctor of Philosophy in Business Administration (Ph.D.).

Business Economics

College of Business
(Bachelor of Science)

Dr. Mark A. Peterson, Chairperson, Department of Finance

134A Henry J. Rehn Hall

Telephone: (618) 453-2459

<http://www.business.siu.edu/academics/dept/finance/>

The B.S. degree program in business economics meets the objectives of students interested in general preparation for future managerial and staff assignments in a variety of business and public organizations. Offered through the College of Business, the business economics major emphasizes the application of economic concepts and the use of critical analysis in the solution of economic and managerial problems.

The program also prepares students for graduate study in economics as well as for the M.B.A. degree. Students who propose professional careers as business and managerial economists are advised to complete one to four years of postgraduate study.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, Select	Foundations of Inquiry for Business <i>and</i> UCC Fine Arts.....	3	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	UCC Science	3	3
_____ PSYC 102/SOC 108	Introduction to Psychology <i>or</i> Introduction to Sociology	3	—
_____ Select	UCC Human Health	—	2
_____ MATH 108, 140	College Algebra <i>or</i> Approved Elective ¹ <i>and</i> Short Course in Calculus	3	4
		15	15
<i>Second Year</i>		Fall	Spring
_____ ACCT 220, 230	Financial Accounting <i>and</i> Managerial Accounting	3	3
_____ ECON 241, 240	Introduction to Macro- <i>and</i> Microeconomics	3	3
_____ ACCT/MGMT 208	Business Data Analysis	—	3
_____ FIN 270	The Legal and Social Environment of Business ²	—	3
_____ Select	UCC Humanities	3	—
_____ SPCM 101, ENGL 291	Introduction to Oral Communication <i>and</i> Intermediate Technical Writing	3	3
_____ MATH 139	Finite Mathematics	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ MGMT 304, 345	Introduction to Management <i>and</i> Computer Information Systems.....	3	3
_____ ECON 340, 341	Intermediate Micro- <i>and</i> Macroeconomics	3	3
_____ FIN 330, 361	Introduction to Finance <i>and</i> Management of Business Finance	3	3
_____ MKTG 304, BUS 302	Marketing Management, Business Career Transitions.....	3	2
_____ Select	UCC Humanities <i>and</i> UCC Integrative Studies	3	3
_____ Select	Approved Elective ¹	—	2
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ MGMT 318	Production-Operations Management	3	—
_____ Select, MGMT 481	300-400 CoB Elective <i>and</i> Administrative Policy	3	3
_____ ECON	Approved economics course ³	3	3
_____ FIN 462/463	Working Capital Management <i>or</i> Forecasting and Capital Budgeting	—	3
_____ Select	Major option ³	3	—
_____ Select	Approved elective ¹	3	5
		15	14

¹ 120 semester hours are required for graduation. Approved electives should be selected in consultation with academic advisor to meet this requirement.

² The combination of FIN 280 (Bus Law I) and FIN 380 (Bus Law II) may be substituted for FIN 270 and is highly recommended for Accounting majors.

³ Major option or major specialization.

Business Economics as a Major

It is strongly recommended that the courses listed above for the first two years be completed before the junior year, because many of them are prerequisites to later requirements.

The Association to Advance Collegiate Schools of Business International accredits the business economics program. See College of Business for the 50-percent rule.

No minor or foreign language required.

Graduate degrees available: Master of Business Administration (M.B.A.), Master of Accountancy (M.Acc.), and Doctor of Philosophy in Business Administration (Ph.D.).

Representative First Job Titles

Account executive, business and economics statistician, business planning officer, economic analyst, economic forecaster, investment analyst, new business researcher, organization planning officer, systems evaluator, marketing representative, operating plans and procedures officer, operations research analyst, labor economist, labor relations officer, workman's compensation officer, benefits analyst, industrial economist, industrial labor relations specialization officer, business analyst, loan administrator, loan examiner.

Chemistry and Biochemistry

College of Science
(Bachelor of Arts)
(Bachelor of Science)

Dr. Gary Kinsel
224C Neckers Building
Telephone: (618) 453-5721
E-mail: chemistry@chem.siu.edu
<http://www.chem.siu.edu/>

Chemistry is the study of matter, the building blocks of everything. Chemistry is a foundation for continuing studies in agriculture, biology, chemistry, engineering, forensics, medicine, microbiology, pharmacology, physiology and zoology.

All Chemistry majors begin in the Comprehensive Chemistry degree track, which provides a rigorous program in analytical, organic and physical chemistry. After freshman year, students pursuing a B.S. degree may continue in Comprehensive Chemistry or choose a more specialized degree track. Pre-professional students and those interested in biological chemistry may pursue the Biochemistry degree track with advanced courses in life sciences. The Environmental Chemistry degree track complements advanced study in environmental chemistry with related courses in engineering, forestry, geology, plant biology, and soil science. The Forensic Chemistry degree track gives students the background required for investigative research in a crime lab. Although not required for graduate study or employment as a chemist, students are encouraged to pursue certification from the American Chemical Society (ACS).

The Business degree track leads to a B.A. degree with a minor degree in Business and Administration and is ideal preparation for a career in the chemistry industry or graduate studies for a Masters in Business Administration.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____	CHEM 200, 201 Introduction to Chemical Principles ¹ and Lab ¹	5	—
_____	CHEM 210, 211 General and Inorganic Chemistry and Lab	—	5
_____	MATH 109, 150 Trigonometry and Analytic Geometry ² and Calculus I	3	4
_____	UCOL 101, ENGL 101 Scientific Inquiry and Composition I	3	3
_____	BIOL 200A Cell and Molecular Biology, Genetics and Evolution ^{1,4}	4	—
_____	BIOL 200B Organismal and Ecological Biology ⁴	—	4
		15	16
<i>Second Year</i>		Fall	Spring
_____	CHEM 330 Quantitative Analysis	5	—
_____	CHEM 340,341,442,443 Organic Chemistry I and II and Lab I and II	5	5
_____	CHEM 350, 351 Introductory Biological Chemistry ⁴ and Lab	—	5
_____	MATH 250, 221 Calculus II and Linear Algebra ⁵	4	3
_____	ENGL 102, PHIL 105 Composition II and Elementary Logic ¹	3	3
		17	16
<i>Third Year</i>		Fall	Spring
_____	CHEM 360, 361 Classical Physical Chemistry and Lab	4	—
_____	CHEM 460, 463 Quantum Mechanics and Spectroscopy and Lab	—	4
_____	MATH 305 Introduction to Ordinary Differential Equations ⁵	3	—
_____	PHYS 205A,B, 255A,B University Physics I and Lab and University Physics II and Lab	4	4
_____	SPCM 101, ENGL 290 Speech Communication ¹ and Intermediate Analytical Writing ⁶	3	3
_____	Select UCC Human Health ¹ and UCC	2	3
		16	14
<i>Fourth Year</i>		Fall	Spring
_____	CHEM 411, 410 Intermediate Inorganic Chemistry and Lab	—	5
_____	CHEM 434 Instrumental Analytical Chemistry	4	—
_____	CHEM 444 Intermediate Organic Chemistry	3	—
_____	CHEM 490, 396 (496H) Senior Seminar ³ and Undergraduate Research (Honors) ³	2	1
_____	MATH 483 Mathematical Statistics ^{5,6}	4	—
_____	Select UCC Multicultural and UCC Fine Arts ¹	—	6
_____	Select UCC Social Science ¹	3	3
		16	15

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum mathematics requirement. Student may be placed in a higher-level course based on placement exams.

³ Fulfills an American Chemical Society (ACS) requirement for certification.

⁴ Fulfills a College of Science biology requirement.

⁵ Fulfills an optional Mathematics minor requirement.

⁶ Fulfills a College of Science supportive skills requirement in technical writing, statistics or computer science.

Chemistry as a Major

Students participate in undergraduate research applying cutting-edge techniques under the supervision of a faculty advisor with access to research laboratories and state-of-the-art scientific equipment. Undergraduate assistantships and academic credit are available for research. Students present their research at the Undergraduate Research Forum and regional scientific meetings. The Student Affiliates of the American Chemical Society and Alpha Chi Sigma service fraternity organize social and professional activities for students. Free tutoring is available to all students. Faculty advisors assist students, on an individual basis, with career preparation, degree requirements, and course selection.

Representative First Job Titles

Agricultural chemist, analytical chemist, anesthesiologist, atmospheric chemist, biochemist, biotechnologist, chemical engineer, chemistry teacher, clinical chemist, dentist, endocrinologist, environmental chemist, food chemist, forensic chemist, geochemist, hematologist, inorganic chemist, materials scientist, medical technologist, medicinal chemist, neurochemist, nuclear chemist, nutritionist, oenologist, ophthalmologist, organic chemist, patent attorney, pathologist, petroleum chemist, pharmacist, physical chemist, physician, polymer chemist, radiologist, renewable energy engineer, science writer, soil chemist, surgeon, textile chemist, theoretical chemist, toxicologist, water purification chemist.

Cinema and Photography

College of Mass Communication and Media Arts
(Bachelor of Arts)

Walter C. Metz, Chairperson
1101 Communications Building
Telephone: (618) 453-2365
<http://cp.siu.edu/>
Carol Westerman-Jones, Advisor
1121 Communications Building
Telephone: (618) 453-2365

Cinema and Photography provides a well-conceived, in-depth and demanding approach to the visual and aural world of still and moving images. Our programs integrate the study of history, theory, and criticism with the challenges of actually using still and moving image media to inquire, express, and communicate.

The undergraduate major in Cinema and Photography is a B.A. degree program with two distinct specializations; cinema and photography. Both specializations meet the objectives of students interested in a foundation for fine arts, professional and/or educational careers in cinema and photography, a foundation which is reinforced with explorations of the social, cultural, critical and ideological implications of our use of still and moving image media. Course selection, within the framework of the requirements of each specialization allows the student to achieve a specific emphasis to fulfill particular interests and career plans. All students in the major of Cinema and Photography are required to select and complete a minor in an area complementary to their career pursuits.

Graduate studies are also possible; the College of Mass Communication and Media Arts offers a Master of Fine Art degree with concentrations in cinema and photography.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

Cinema Specialization

<i>First Year</i>		Fall	Spring
_____ Select	Health ¹ and Social Science ¹	—	5
_____ Select	Humanities ¹	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Mathematics ¹	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ CP 101	History and Analysis of Cinema	3	—
_____ CP 102	Sound and Image Production	—	4
_____ UCOL 101	Foundations of Inquiry	3	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Social Science ¹	3	—
_____ Select	Science ¹	3	—
_____ Select	Humanities ¹	3	3
_____ Select	Integrative Studies ¹	—	3
_____ *CP 276	Cinema Production	—	4
_____ *CP 260	Understanding Visual Media	3	—
_____ Select	Electives	3	5
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	*CP 300-400-level Cinema Track Courses	6	6
_____ Select	Electives	9	9
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	*CP 300-400-level cinema electives courses	6	3
_____ Select	Electives	9	12
		15	15

* Requirements for Cinema Specialization in the Cinema and Photography major.

¹ See University Core Curriculum.

Photography Specialization

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹ and Social Science ¹	3	3
_____ Select	Humanities ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Mathematics ¹	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ CP 230	Photography I	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
		15	15

<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	—	3
_____ Select	Social Science ¹ and Human Health	3	2
_____ Select	Integrative Studies ¹	3	—
_____ *CP 210	History of Photography	3	—
_____ *CP 330	Photography II	4	—
_____ *CP 332	Photography III	—	4
_____ Select	Electives	3	3
_____ CP 260	Understanding Visual Media	—	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	CP 400 level-course	3	—
_____ Select	*CP 400-level course, possibly CP 404 Lighting for Photography	3	3
_____ Select	Electives	9	11
		15	14
<i>Fourth Year</i>		Fall	Spring
_____ Select	*CP 400-level Photography Courses (must include CP 431 & 432 or CP 498)	6	3
_____ Select	Electives	9	12
		15	15

¹ See University Core Curriculum.

Students purchase supplies for most cinema and photography production courses. Lab fees and equipment usage fees are required for most production courses. For most studies courses, screening fees are assessed to partially cover the cost of rental and/or acquisition of media support materials, slides, films, videotapes, CD's CD-ROM's, DVD's, LaserDisks, etc., which are essential to presenting the object of study. The cost of supplies and outside laboratory finishing services for cinema and photography production courses ranges from an average of \$500 per course to \$3,000 or more, depending on course requirements.

The department reserves the right to retain examples of the work produced by students in fulfillment of its course requirements. Such photographs and films become part of a permanent departmental collection which exhibitions may be prepared.

Cinema and Photography as a Major

The SIU Carbondale Department of Cinema and Photography is recognized by national organizations as one of the leading departments in the country.

Admission to the Cinema and Photography major is open to anyone qualifying for regular admissions to the University.

If a transfer student begins at SIU Carbondale in Cinema and Photography with at least 60 credit hours previously completed including the SIU University Core Curriculum requirements or IAI Certification, and at least one course equivalent to SIU Carbondale Cinema and Photography required course, it is possible for a student to complete their requirements for the BA in Cinema and Photography in just two years of coursework at SIU Carbondale. Most CP major transfer course equivalency decisions are made on a case-by-case basis as result of faculty review of the syllabus for the transfer course and the work produced by the student in the course. Transfer students are encouraged to make their advisement/registration appointments in February for Fall semester classes, or in September for Spring semester classes. Cinema and Photography classes have limited seats and fill very quickly.

Minor in Photography

A total of 15 credits is required for the minor. The student must complete CP 210: History of Photography, CP 230: Photography I, and CP 330: Photography II, and complete at least six credit hours of 300 or 400 level photography courses in order to obtain a minor. All courses for the minor in photography must be completed with a grade of C or higher.

Minor in Visual and Screen Cultures

This minor allows students to specialize in the study of cinema and other visual media, with emphasis on the history, theory, and criticism of these art forms. Students who wish to minor in Visual and Screen Cultures must successfully complete at least 15 semester hours. The student must complete CP 101: Film History and Analysis, CP 210: History of Photography or CP 361: History of New Media, CP 260: Understanding Visual Media, one 3 credit cinema studies elective at the 300 level and one 3 credit studies elective at the 400 level in order to obtain a minor. All courses for the minor in cinema studies must be completed with a grade of C or higher. Courses for this minor may not be double-counted with a major in Cinema and Photography.

Minor in Animation

A total of 17 credit hours are required for the minor. The student must complete CP 102-4 Intro to Sound and Image Production (with a grade of B or better), CP 301-4 Basic Drawing from Pencil to Pixels, CP 464-3 History and Theory of Animation and six credit hours of 300- or 400-level designated elective courses selected from: CP 454, CP 473 and animation topics such as Experimental Animation, Flash Animation, and Stop-Motion Narrative Animation, offered under CP 470A, CP 470B, CP 472 or approved related courses. All courses for the Minor in Animation must be completed with a grade of C or higher, with the exception of CP 102, which must be completed with a grade of B or better.

Representative First Job Titles

Assistant director, assistant cameraperson, cinematographer, lighting technician, assistant sound recordist/mixer, boom operator, assistant editor, digital editing assistant, production office coordination staff, production assistant, independent filmmaker, independent producer, screenwriter, assistant production manager, location scout, location manager, special effects operator, film animator, photographer, photo studio assistant, digital retouch and pre-press preparer, color technician, communications specialist, advertising agent, photojournalist, graphic arts technician, multimedia specialist, free-lance photographer.

Civil Engineering

(Environmental Engineering Specialization)
College of Engineering
(Bachelor of Science)

Dr. Sanjeev Kumar, Chair
D33 Engineering Building
Telephone: (618) 536-2368
E-mail: kumars@engr.siu.edu
<http://civil.engr.siu.edu/>

See also: Computer Engineering, Electrical Engineering, Mechanical Engineering, and Mining Engineering.

Civil engineering is a profession in which principles of the mathematical, physical, and engineering sciences, combined with experience and practice, are used to develop safe and economical designs for buildings, bridges, dams and hydraulic systems, environmental engineering systems, and other beneficial projects. Civil engineering is one of the oldest branches of the engineering field and is often called a “people-serving” profession.

The B.S. degree program in civil engineering meets the objectives of students interested in one or more areas of concentration: *structural engineering*, *hydraulic engineering*, *environmental engineering*, and *geotechnical engineering*. Additional technical electives enable students to gain more in-depth knowledge in these areas of concentration.

The Civil Engineering program at SIU Carbondale prepares students for professional careers in one or more specialty areas of civil engineering. Civil engineers take positions with construction companies, consulting engineering and architectural firms; transportation, public utility and manufacturing companies; the aerospace industry; and governmental agencies on every level. They become involved in the planning, design, and construction of the nation’s infrastructure and the physical facilities that improve and preserve our society: buildings, highways, bridges, hydraulic structures, transportation facilities, environmental engineering systems, and many other structures. The undergraduate civil engineering program is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Core Human Health	2	—
_____ Select	Humanities ^{1,2}	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ CHEM 200*, 201	Introduction to Chemical Principles <i>and</i> Lab	—	4
_____ PHYS 205A, 255A	University Physics <i>and</i> Lab	—	4
_____ MATH 150, 250	Calculus I ³ <i>and</i> II	4	4
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGR 250	Statics	—	3
		15	18
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ^{1,2}	—	3
_____ SPCM 101	Introduction to Oral Communication ^{1,2}	—	3
_____ MATH 251, 305	Calculus III <i>and</i> Differential Equations I	3	3
_____ CHEM 210	General and Inorganic Chemistry	3	—
_____ PHYS 205B, 255B	University Physics ³ <i>and</i> Lab	4	—
_____ ENGR 261	Mechanical Engineering Dynamics	3	—
_____ CE 263	Basic Surveying	—	3
_____ CE 310	Introduction to Environmental Engineering	—	3
_____ CE 210	Environmental Biology for Engineers	3	—
_____ ENGR 350A	Engineering Mechanics of Deformable Bodies <i>and</i> Lab	—	3
		16	18
<i>Third Year</i>		Fall	Spring
_____ Select	Social Science ^{1,2}	3	3
_____ ENGR 370	Engineering Mechanics of Fluids <i>and</i> Lab	3	—
_____ ENGR 351	Numerical Methods in Engineering	3	—
_____ ENGR 361	Engineering Economics in Design	2	—
_____ CE 320	Soil Mechanics and Foundations	3	—
_____ CE 340	Structures	3	—
_____ CE 330	Civil Engineering Materials	—	3
_____ CE 418	Water and Wastewater Treatment	—	3
_____ CE 444	Structural Steel Design <i>or</i> Reinforced Concrete Design	—	3
_____ CE 474	Hydraulic Engineering Design	—	3
		17	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Fine Arts ^{1,2}	—	3
_____ Select	Integrative Studies ^{1,2}	3	—
_____ Select	Tech Electives	6	6
_____ CE 421	Foundation Design	—	3
_____ CE 442	Structural Steel Design	3	—
_____ CE 495A	Civil Engineering Design	3	—
_____ CE 495B	Civil Engineering Design	—	3
		15	15

Civil Engineering–Transfer Students

Curricula for the first two years are the same as those on previous page.

		Fall	Spring
Third Year			
ENGR 351	Numerical Methods in Engineering	3	—
ENGR 350	Mechanics of Materials	3	—
CE 330	Civil Engineering Materials	—	3
CE 320	Soil Mechanics	—	3
CE 263	Basic Surveying	3	—
CE 210	Environmental Biology for Engineers	3	—
CE 310	Environmental Engineering.....	—	3
CE 340	Structures.....	—	3
CE 444	Reinforced Concrete Design	—	3
ENGR 370	Engineering Mechanics of Fluids	3	—
ENGR 361	Engineering Economics in Design	2	—
		17	15
Fourth Year			
CE 418	Water and Wastewater Treatment.....	3	—
CE 442	Structural Steel Design	3	—
CE 474	Hydraulic Engineering Design.....	3	—
Select	Tech Electives	3	9
CE 495A	Civil Engineering Design	3	—
CE 421	Foundation Design.....	—	3
CE 495B	Civil Engineering Design	—	3
		15	15

¹ See University Core Curriculum. Transfer students without a baccalaureate-oriented associate degree will be required to take some specific University Core Curriculum courses. It is recommended that such students contact the Engineering Advisement Office for information on recommended University Core Curriculum courses.

² The College of Engineering requires that students transferring with a baccalaureate-oriented associate degree complete or transfer at least 15 semester hours of social sciences, fine arts, humanities, multicultural and interdisciplinary courses; six or seven semester hours of oral and written communications; and at least 32 semester hours of mathematics and basic sciences before graduation from Southern Illinois University Carbondale.

³ Fulfills a University Core Curriculum requirement.

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific University Core Curriculum requirements that include 6 semester hours of English composition, 3 hours of speech, 8 hours of calculus-based university physics, 7 hours of chemistry, 11–14 hours of mathematics, including calculus. Calculus is a prerequisite for most junior-level courses.

Representative First Job Titles

Civil engineer, environmental engineer, construction engineer, design engineer, foundation engineer, geotechnical engineer, hydraulic engineer, structural engineer and water resources.

Classics

College of Liberal Arts
(Bachelor of Arts)
(Minors in Classical Civilization, Greek, and Latin)

Dr. David Johnson, Classics Section Head & Advisor
Department of Foreign Languages and Literatures
2084 Faner Hall
Telephone: (618) 453-5427
E-mail: mjohnson@siu.edu
<http://languages.siu.edu>

Classics is the study of the ancient Mediterranean world, particularly the civilizations of Ancient Greece and Rome, which have had such a profound impact on our world. Classics is an interdisciplinary field, and classics majors will study the language, literature, culture, philosophy, history, and material remains of these civilizations. A classics major allows a student to specialize in one particularly fascinating period of western history, while applying tools from a number of different academic disciplines to the study of that time period.

Majors receive a liberal arts education giving them the analytical tools to pursue a wide range of careers. Our major is flexible, allowing students to pursue their own interest within classics and, should they so wish, a second major or degree in another field. A major in classics is particularly valuable for students of history, literature, philosophy, theatre, art, or mathematics who are interested in the origins of their fields.

While only one year of Greek or Latin is required for the major, students interested in pursuing graduate study in classics or a related field, or who have an interest in classical literature, are strongly advised to take as much Greek and Latin as they can.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ CLAS 133A, 133B	Elementary Latin A and B	4	4
_____ UCOL 101, SPCM 101	Foundations of Inquiry and Speech Communication.....	3	3
_____ CLAS 270, 271	Greek Civilization and Roman Civilization.....	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select, Select	Core Human Health and Core MATH	2	3
		15	16
<i>Second Year</i>		Fall	Spring
_____ CLAS 202A, 202B	Intermediate Latin A and B	3	3
_____ CLAS 230, Select	Classical Mythology and Classics Elective	3	3
_____ CLAS 130A, 130B	Elementary Classical Greek A and B	4	4
_____ Select, Select	Social Science	3	3
_____ Select, Select	Fine Arts and Multicultural	3	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ CLAS 390	Reading in Greek.....	3	3
_____ CLAS 201A, 201B	Intermediate Greek A and B	3	3
_____ Select, Select	Classics Electives	3	3
_____ Select, Select	Core Science.....	3	3
_____ Select	Electives.....	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ CLAS 416	Advanced Reading in Latin	3	3
_____ CLAS 390	Reading in Greek.....	3	3
_____ Select, Select	Electives.....	3	3
_____ CLAS 491, Select	Classics Seminar and Elective.....	3	3
_____ Select	Elective	3	—
		15	12

Classics as a Major

Classics courses and courses from related disciplines.....	35
One year of Greek or Latin	8
CLAS 230, 270, 271 and 491	12
Electives approved by classics advisor from offerings in classics and related disciplines	15

Classics as a Minor

Classics offers three minors. *Classical Civilization* requires 18 hours approved by the Classics Advisor. Those hours must include CLAS 230, 270, 271, and 491. Minors in *Latin or Greek* require completion of two hours of the relevant language, and CLAS 491, for 17 hours total.

Careers in Classics

Teacher, translator, visitors' guide, writer, editor, publications staff, speech writer, archaeological worker, archival worker, museum curator, cultural studies specialist, researcher, exhibit preparation, theologian. Careers in law, medicine, education, science, politics, and business.

Communication Disorders and Sciences

(Public School Specialization)
(Clinical Specialization)
College of Education and Human Services
(Bachelor of Science)

Dr. Kenneth O. Simpson, Program Coordinator
316A Rehn Hall
Telephone: (618) 453-8262
<http://www.coe.siu.edu/cds/>

The B.S. degree program in communication disorders and sciences meets the objectives of students preparing to work with children and adults whose speech, language, or hearing is impaired. The pre-professional undergraduate curriculum is broad in scope and presents students with the necessary background for the professional program, which is offered at the master's level. Both state and national certification require the M.S. degree.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

Non-Teacher Education Program

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Biological Science ¹	3	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ Select	Mathematics ¹	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Humanities ¹	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ CDS 105	Introduction to Communication Disorders	3	—
_____ Select	Humanities ¹	3	—
_____ Select	Multicultural ¹	3	—
_____ PSYC 301	Child Psychology	3	—
_____ Select	Human Health ¹	—	3
_____ PSYC 211	Research Methods in Psychology	—	4
_____ Select	Electives	3	6
_____ Select	Physical Science ¹	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ CDS 300	Phonetics	3	—
_____ CDS 301	Introduction to Speech Language and Hearing Science	3	—
_____ CDS 302	Voice and Articulation	—	3
_____ CDS 303	Language Development	—	3
_____ CDS 314	Anatomy and Physiology of the Speech and Hearing Mechanism	3	—
_____ Select	Electives	6	8
		15	14
<i>Fourth Year</i>		Fall	Spring
_____ SOC 108	Introduction to Sociology	3	—
_____ CDS 410	Multicultural Aspects of Communication Disorders	3	—
_____ CDS 422	Communication Problems of the Hearing Impaired	—	3
_____ CDS 420	Introduction to Audiological Disorders and Evaluation	3	—
_____ CDS 492	Diagnosis Procedures in Communication Disorders	—	3
_____ CDS 493	Basic Clinical Practice	—	3
_____ Select	CDS elective	3	3
_____ Select	Elective	3	3
		15	15

¹ See University Core Curriculum.

² Students may take these courses in Fall or as offered by the department.

Transfer students are encouraged to contact SIU Carbondale College of Education and Human Services, Academic Advisement Office (618 453-6340) at least one semester before they plan to enroll at SIU Carbondale.

Teacher Education Program

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Biological Science ^{1,3}	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Mathematics ^{1,3}	3	—
_____ PSYC 102	Introduction to Psychology ³	3	—
_____ Select	Physical Science ^{1,3}	—	3
_____ Select	Humanities ^{1,3}	—	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Social Science	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities Group II	3	—
_____ HED 101/KIN 101	Foundation of Human Health or Current Concepts of Physical Fitness ³	—	2
_____ CDS 301	Introduction to Speech-Language Hearing Science ²	3	—
_____ Select	Non-Western Civilization ⁴	—	3
_____ PSYC 301	Child Psychology	—	3
_____ Select	Integrative ^{1,3}	3	3
_____ CDS 105	Introduction to Communication Disorders	3	—
_____ Select	Elective	3	4
		15	15
<i>Third Year</i>		Fall	Spring
_____ CDS 300	Phonetics	3	—
_____ CDS 302	Voice and Articulation	—	3
_____ CDS 303	Language Development	—	3
_____ CDS 314	Anatomy and Physiology of the Speech and Hearing Mechanism	3	—
_____ EDUC 311	Schooling in a Diverse Society	—	3
_____ EDUC 314	Human Growth, Development, and Learning	2	—
_____ SOC 108/Select	Intro to Sociology and Electives	3	7
_____ PSYC 211	Research Methods in Psychology	4	—
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ CDS 410	Multicultural Aspects of Communication Disorders	3	—
_____ CDS 422	Communication Problems of the Hearing Impaired	—	3
_____ CDS 420	Introduction to Audiological Disorders and Evaluation	3	—
_____ CDS 492	Diagnosis Procedures in Communication Disorders	—	3
_____ CDS 493	Basic Clinical Practice	—	3
_____ EDUC 308	Characteristics and Methods for Teaching Exceptional Children	—	3
_____ EDUC 313	Intro to Reflective Teaching Practice	3	—
_____ Select	Fine Arts ^{1,3}	3	—
_____ Select	CDS elective	3	3
		15	15

* One course required to meet non-Western civilization/Third World culture requirement.

¹ See University Core Curriculum.

² Students may take these courses in fall or as offered by the department.

³ To meet the University Core Curriculum requirements for teacher certification, the following courses must be taken: ENGL 101, 102; SPCH 101; MATH 110 or 101; PHYS 101, GEOL 110 or CHEM 106; PLB 115, 117, or ZOOL 115; AD 101, HIST 201, MUS 103 or THEA 101; FL 101, HIST 101a*, b, PHIL 103a,b; ENGL 121 or 204; POLS 114; PSYC 102; ANTH 202, HIST 202, 210 or SOC 215; HED 101 or KIN 101.

⁴ Choose from HIST 101A, 101B, EA 102, PHIL 308I.

Transfer students are encouraged to contact SIU Carbondale College of Education and Human Services, Academic Advisement Office (618 453-6340) at least one semester before they plan to enroll at SIU Carbondale.

Communication Disorders and Sciences as a Major

Students interested in the public school specialization should refer to admission requirements for the teacher education program.

In the departmental major of 30 semester hours the third and fourth years present students with pre-professional training that relates to normal and disordered aspects of speech, language, and hearing. Graduate work is primarily devoted to training in differential diagnosis, assessment, and the management of communication disorders in clinical or school settings.

Students will be encouraged to plan programs of study to meet academic and practicum requirements for the Certificate of Clinical Competence of the American Speech-Language-Hearing Association.

Representative First Job Titles

(All require certification/M. S. degree) speech and language clinician, speech and language pathologist, speech and hearing therapist, speech and hearing consultant, audiologist.

Computer Engineering

College of Engineering
(Bachelor of Science)

Anne Eastlick, Advisement
D-104 Engineering Building
Telephone: (618) 453-1641
E-mail: aeastlick@siu.edu
http://enr.siu.edu/elec/siu_ee.html

See also: Civil Engineering, Electrical Engineering, Mechanical Engineering, and Mining Engineering.

The Bachelor of Science degree program in Computer Engineering provides the student with a strong background in the basic Electrical and Computer Engineering sciences. Students have the option to choose among several advanced courses in the theory and applications of digital circuits and systems, computer architecture and design, computer networks and digital design automation. This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc., (EAC/ABET), 111 Market Place, Suite 1050, Baltimore MD 21202-4012, Telephone (410) 347-7700, <[url:www.abet.org](http://www.abet.org)>.

Employment opportunities exist within a range of organizations, such as computer, semiconductor, aviation, electronics, microelectronics, broadcasting, telecommunications, defense and automotive companies, manufacturing and electric power companies, state and federal agencies and laboratories. Employment opportunities cover the spectrum of engineering activities, ranging from research and development, to systems analysis, automation, manufacturing, customer service and support, marketing and sales.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>>.

<i>First Year</i>		Fall	Spring
ENGL 101	Composition I ^{1, 2}	—	3
ECE 222, 225	Intro to Digital Computation <i>and</i> Intro to Discrete Logic and Digital Systems.....	3	4
UCOL 101E	Foundations of Inquiry: Intro to Engineering.....	3	—
MATH 150, 250	Calculus I ³ <i>and</i> II.....	4	4
PHIL 104	Introduction to Ethics ^{1, 2}	3	—
PHYS 205A	University Physics I ³	—	3
PHYS 255A	University Physics Lab I	—	1
Select	Fine Arts	3	—
ECE 296/396	Software Tools for Engineers <i>or</i> ECE Honors Course	—	2
		16	17
<i>Second Year</i>		Fall	Spring
MATH 251, 305	Calculus III <i>and</i> Introduction to Ordinary Differential Equations	3	3
SPCM 101	Introduction to Oral Communications ^{1, 2}	3	—
ENGL 102	Composition II ^{1, 2}	—	3
PHYS 205B	University Physics II ³	3	—
PHYS 255B	University Physics Lab II.....	1	—
ENGR 304I	Social History of American Technology	—	3
ECE 235	Electrical Circuits I	4	—
ECE 327	Sequential Circuit Design	—	4
ECE 321	Introduction to Software Engineering	3	—
ECE 345	Electronics	—	4
		17	17
<i>Third Year</i>		Fall	Spring
ECE 329	Computer Organization Design	4	—
ECE 315	Mathematical Methods in Engineering	3	—
PHIL 105	Introduction to Elementary Logic ^{1, 2}	3	—
Select	Technical Electives	—	15
Select	Science Elective	4	—
BIOL 202	Human Genetics and Human Health	—	2
		14	17
<i>Fourth Year</i>		Fall	Spring
ECE 495C, D	Electrical Engineering Design	3	3
ECON 240/241	Introduction to Micro- <i>or</i> Macroeconomics.....	3	—
Select	Social Sciences ^{1, 2}	—	3
Select	Technical electives ⁵	8	8
		14	14

¹ See University Core Curriculum. Transfer students without a baccalaureate-oriented associate degree will be required to take some specific University Core Curriculum courses. Students should contact the Engineering Advisement Office for information on recommended University Core Curriculum courses.

² The College of Engineering requires that students transferring with a baccalaureate-oriented associate degree complete or transfer at least 15 semester hours of social sciences, fine arts, humanities, multicultural and interdisciplinary courses; six or seven semester hours of oral and written communications; and at least 32 semester hours of mathematics and basic sciences before graduation from Southern Illinois University Carbondale.

³ Substitutes for University Core Curriculum.

⁴ Can be substituted with other 4-hour science course, approved by department chair. For transfer students, can be substituted with 4-hour chemistry course.

⁵ Selected from an approved list of technical electives.

Transfer students

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific freshman and sophomore course requirements, which include 6 semester hours of composition; 3 hours of speech, 8 hours of university physics; and 11–14 hours of mathematics, including calculus. Calculus is a prerequisite for junior-level courses.

Representative First Job Titles

Computer engineer, product development and design engineer, product application and test engineer, sales, operations research analyst, patent engineer, systems engineer, electronics engineer, software engineer, digital signal processing engineer.

Computer Science

College of Science
(Bachelor of Science)
(Bachelor of Arts)

Dr. Shahram Rahimi, Undergraduate Program Director
2125 Faner Hall
Telephone: (618) 536-2327
E-mail: csinfo@cs.siu.edu
<http://www.cs.siu.edu/>

Computer Science is an extremely exciting, challenging and rewarding area of study. It incorporates an excellent combination of theoretical and intellectual content on the one hand, and practical application and societal importance on the other. By some standards, it is the strongest discipline in academia today, and has been for the past three decades. Given the 3 to 1 ratio for available jobs vs number of graduates in computer science, CS degree holders are among the most wanted in the industry.

The computer science department offers two-degree programs to undergraduate students. The Bachelor of Science and the Bachelor of Arts degree programs are both offered through the College of Science. The curriculum specified for the Bachelor of Science degree is more traditional and somewhat more flexible in that it prepares the student for a wide range of careers as well as for graduate degree programs in computer science. The Bachelor of Arts degree program is more specifically oriented toward the area of business applications and in particular, is designed to enable students to pursue a fifth year of studies leading to an MBA degree.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

Bachelor of Science

First Year		Fall	Spring
_____ CS 202	Introduction to Computer Science ³	—	4
_____ CS 215	Discrete Mathematics ³	—	4
_____ UCOL 101	Foundations of Inquiry	3	—
_____ MATH 111	Precalculus ^{2,4}	4	—
_____ MATH 150	Calculus I ³	—	4
_____ PHIL 105	Elementary Logic ^{2,6}	3	—
_____ SPCM 101	Introduction to Oral Communication: Speech, Self, and Society	—	3
_____ PHSL 201	Human Physiology ^{2,4}	3	—
_____ ENGL 101, 102	Composition I and Composition II	3	3
		16	18
Second Year		Fall	Spring
_____ CS 220	Programming with Data Structures ³	4	—
_____ CS 311	Design and Implementation of Programming Languages	—	3
_____ CS 306	Linux/UNIX Programming	—	3
_____ MATH 221	Introduction to Linear Algebra ³	—	3
_____ MATH 250	Calculus II ³	4	—
_____ PHYS 205A,B	University Physics I ^{3,4}	—	3
_____ PHYS 255A,B	University Physics Lab I ^{3,4}	—	1
_____ Select	UCC Humanities ¹	3	—
_____ CS 290	Communication Skills & Ethics for Computer Science and UCC Social Science ¹ ...	3	3
_____ CS 221	Introduction to Internet and Mobile Computing	4	—
		18	16
Third Year		Fall	Spring
_____ CS 335	Operating Systems ³	—	3
_____ CS 320	Computer Organized Architecture ³	3	—
_____ CS 330	Introduction to the Design and Analysis of Algorithms ³	3	—
_____ PHYS 205B	University Physics II	3	—
_____ PHYS 255B	University Physics Laboratory II	1	—
_____ CS 4XX	400-level Computer Science Electives	—	3
_____ MATH 483	Mathematical Statistics in Engineering and Physical Sciences I ^{3,5}	—	4
_____ PLB 200/ZOOL 118	General Plant Biology or Principles of Animal Biology ^{2,4}	—	4
_____ Select	UCC Fine Arts ¹	—	3
_____ Select	UCC Social Science ¹	3	—
		13	17
Fourth Year		Fall	Spring
_____ CS 498, CS 499	Senior Project in Computer Science I and II	1	3
_____ CS 4XX	400-level Computer Science Electives	9	9
_____ Select	UCC Multicultural	3	—
		13	12

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum requirement.

³ Required by the major.

⁴ Fulfills a College of Science requirement.

⁵ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

⁶ PHIL 105 Elementary Logic is recommended.

Bachelor of Arts

<i>First Year</i>		Fall	Spring
_____ CS 201	Problem Solving with Computers	3	—
_____ CS 202	Introduction to Computer Science ³	—	4
_____ CS 215	Discrete Mathematics ³	—	4
_____ ENGL 101, 102	English Composition I and II	3	3
_____ MATH 111	Pre-calculus ^{2,4}	4	—
_____ PHIL 105	Elementary Logic ^{2,6}	3	—
_____ SPCM 101	Introduction to Oral Communications: Speech, Self and Society	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
		16	14
<i>Second Year</i>		Fall	Spring
_____ CS 220	Programming with Data Structures ³	4	—
_____ CS 3XX	CS Elective	—	3
_____ MATH 150	Calculus I ⁷	4	—
_____ ECON 240, 241	Introduction to Micro- and Macroeconomics ³	3	3
_____ CS 290	Communication Skills and Ethics for Computer Science	—	3
_____ CS 221	Introduction to Internet and Mobile Computing	4	—
_____ PHYS 203A	College Physics ⁴	—	3
_____ PHYS 253A	College Physics Laboratory ⁴	—	1
_____ Select	UCC Fine Arts	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ CS 304/305	* See Below	3	—
_____ CS 306	Introduction to Systems Programming ³	—	3
_____ CS4XX	CS Elective ³	—	3
_____ CS 3XX	CS Elective ³	3	—
_____ CS 330	Introduction to the Design and Analysis of Algorithms ³	3	—
_____ ACCT XXX	Accounting ³	—	3
_____ MATH 282	Introduction to Statistics ^{3,5}	—	3
_____ PLB 200/ZOOL 118	General Plant Biology or Principles of Animal Biology ^{2,4}	—	4
_____ Select	UCC Humanities ¹	3	—
_____ Select	UCC Social Science ¹	3	—
_____ PHYS 203B	College Physics	3	—
		18	16
<i>Fourth Year</i>		Fall	Spring
_____ CS 4XX	CS Elective	3	—
_____ CS 4XX, 4XX	CS Electives	—	6
_____ PHSL 201	Human Physiology	—	3
_____ FIN 270	The Legal and Social Environment of Business ³	3	—
_____ MGMT 304/318	** See Below	3	—
_____ FIN 330	Introduction to Finance ³	—	3
_____ MKTG 304	Marketing Management ³	3	—
_____ Select	UCC Fine Arts ¹ and UCC Multicultural ¹	3	3
		15	15

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum requirement.

³ Required by the major.

⁴ Fulfills a College of Science requirement.

⁵ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

⁶ PHIL 105 Elementary Logic is recommended.

⁷ This is only required for students with secondary concentration in MBA.

⁸ MGMT 304 allows a student to earn a minor in Business Administration. MGMT 318 is required for entry into the Master in Business Administration degree program.

* Advanced Object-Oriented Programming OR Software Development Practice.

** Introduction to Management OR Production-Operations Management. ^{3, 8}

Computer Science Courses: CS 202 is a first course in programming using the language JAVA. CS 220 is a data structures course, which uses JAVA. CS 320 is an intensive course in computer organization. CS 215, a discrete mathematics course, is a prerequisite to 220.

Computer Science as a Major

The curriculum covers programming, software engineering, computer hardware and software systems, simulation, graphics, artificial intelligence, database systems, networking, and computer applications to business and science. Advisers from the department guide students toward courses that will help them pursue their academic and professional interests.

Representative First Job Titles

Applications developer, web programmer, scientific programmer, systems programmer, programmer/analyst, systems analyst, software engineer, database specialist, data communications specialist, system administrator, artificial intelligence developer, graphic applications programmer, game developer, digital/electronics designer, research associate, consultant.

Criminology and Criminal Justice

College of Liberal Arts
(Bachelor of Arts)

Joseph Schafer, Chair
Michael Harbin, Advisor
4248 Faner Hall
Telephone: (618) 453-5701
<http://ccj.siu.edu>

The B.A. degree program in criminology and criminal justice meets the objectives of students considering careers in policing, the courts, corrections, juvenile justice, and private security, as well as those of students preparing for graduate education in criminal justice or criminology.

The curriculum provides a broad view of crime and criminal justice. Building on fundamental knowledge developed in core courses and a restricted set of electives, students can select from a variety of other courses to gain in-depth knowledge about their particular areas of interest. Students may take supplemental courses—foreign language, accounting, and psychology, for example—to complement their special interests. This approach provides a sound foundation in criminology and criminal justice while allowing the flexibility needed to accommodate individual interests and needs.

A field internship placement may be an important element in the program and is encouraged for interested students who meet the department's criteria.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	3	3
_____ Select	Humanities ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 110/101	Non-Technical Calculus or Introduction to Contemporary Mathematics	—	3
_____ UCOL 101	Foundations of Inquiry: Academic Success Seminar	3	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ SPCM 101, Select	Introduction to Oral Communication and Human Health ¹	3	2
_____ Select	Multicultural: Diversity in the U.S. ¹	3	—
_____ Select	Fine Arts ¹	—	3
_____ Select	Foreign Language	4	4
_____ CCJ 201	Introduction to Criminal Justice Systems	3	—
_____ CCJ 290	Introduction to Criminal Behavior	3	—
_____ CCJ 316	Introduction to Criminal Justice Research	—	3
_____ CCJ 300-level ²	Select ²	—	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	English 290 or equivalent ³	3	—
_____ CCJ 317, 310	Data Analysis in Criminal Justice and Introduction to Criminal Law	3	3
_____ Select	CCJ 300–400-level courses, to include one 400-level	3	3
_____ Select	Elective	—	3
_____ Select	Minor courses	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	CCJ 400-level course	3	3
_____ Select	CCJ 300–400-level courses	3	□
_____ Select	Minor/elective courses	3	3
_____ Select	Electives	6	8
		15	14

¹ See University Core Curriculum.

² Students may substitute SOC 372 for CCJ 290; POLS 340 for CCJ 302; PSYC 211, SOC 312, or POLS 300 for CCJ 316.

³ COLA requires a writing intensive course beyond the English composition requirements of the Core Curriculum. Information on courses that will fulfill this requirement is available from the academic adviser.

At least 15 of the credit hours applied toward completion of the requirements of a B.A. in criminology and criminal justice must have been earned in CCJ courses offered at SIU Carbondale.

Criminology and Criminal Justice majors are encouraged to take the University Core Curriculum course CCJ 203. However, CCJ 203 can be counted toward the 33 hours in the criminology and criminal justice major only if the student fulfills the University Core Curriculum integrative studies, multicultural requirement with some course other than CCJ 203.

Criminology and Criminal Justice as a Major

In addition to the University Core Curriculum, the College of Liberal Arts requires one year of a foreign language (we recommend Spanish); one approved writing-intensive course (English 290 or equivalent); and at least 39 hours of course work at the 300 or 400 levels.

A minor is required. Students must fulfill the requirements of the department offering the minor.
Graduate degree program available.

Representative First Job Titles

Police officer, investigator, private security officer, corrections officer, correctional counselor, probation or parole officer, delinquency prevention specialist, juvenile intake officer, group home supervisor, youth counselor, rehabilitation counselor, social/behavioral researcher.

Crop, Soil and Environmental Management

Crop Production & Management-Science Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Bryan Young, Professor
Public Policy Institute, Room 108
Telephone (618) 453-6985
<http://www.coas.siu.edu>

The Crop, Soil and Environmental Management major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a science option.

The program provides thorough training in theory and practice. Although the science option is oriented toward students interested in advanced degrees and research, students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>.

<i>First Year</i>		Fall	Spring
ENGL 101, 102	Composition I and II	3	3
MATH 125, 109	Technical Mathematics and Trigonometry and Analytic Geometry	4	3
CHEM 200, 201	Introduction to Chemical Principles and Lab ¹	—	4
PLB 200	Plant Biology ¹	4	—
ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
Select	Humanities Elective ³	—	3
UCOL 101	Foundations of Inquiry	3	—
HND 101	Personal Nutrition	—	2
		17	15
<i>Second Year</i>		Fall	Spring
CSEM 240, 200	Soil Science and Introduction to Crop Science	4	3
MATH 140	Short Course in Calculus	4	—
CHEM 210, 339	General & Inorganic Chemistry and Introduction to Organic Chemistry	3	3
CHEM 211, 341	General Chemistry Lab II and Organic Chemistry Lab II	1	2
SPCM 101	Introduction to Oral Communication	3	—
CSEM 305	Plant Genetics	—	4
Select	Social Science Elective ³	—	3
		15	15
<i>Third Year</i>		Fall	Spring
CSEM 300, 401	Field Crop Production and Agricultural Plant Pathology	4	2
CSEM 403A	Field Crop Diseases	—	2
PHYS 203A, 203B	College Physics	3	3
CHEM 350	Introduction to Biological Chemistry	3	—
Select	Humanities Elective ³	—	3
Select	Multicultural Elective ³	3	—
Select	Agriculture Elective	—	3
		13	15-16
<i>Fourth Year</i>		Fall	Spring
CSEM 420, 447	Crop Pest Control and Fertilizers and Soil Fertility	4	3
CSEM 468, 448	Weeds-Their Control and Soil Fertility Evaluation	3	2
PLB 320	Elements of Plant Physiology	4	—
Select	Agriculture Electives	3	4
CSEM 381, Select	Seminar and Fine Arts Elective	1	3
		15	12

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ See University Core Curriculum.

Crop, Soil and Environmental Management Major

Numerous job opportunities are available for graduates of this major. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Agronomist, plant and soil laboratory technologist, production manager, plant quarantine inspector, plant pest control inspector, farm manager, plant ecologist, plant breeder, technical service representative and plant pathologist.

Crop, Soil and Environmental Management

Crop Production & Management-General Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Bryan Young, Professor
Public Policy Institute, Room 108
Telephone (618) 453-6985
<http://www.coas.siu.edu>

The Crop, Soil and Environmental Management major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a general option.

The program provides thorough training in theory and practice. The general option is production oriented although students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 125	Technical Mathematics	4	—
_____ CHEM 140A, 140B	Chemistry ¹ <i>and</i> Chemistry	4	4
_____ PLB 200	Plant Biology	—	4
_____ Select	Social Science Elective ²	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
		14	14
<i>Second Year</i>		Fall	Spring
_____ CSEM 240, 200	Soil Science <i>and</i> Introduction to Crop Science	4	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ CSEM 305	Plant Genetics	—	4
_____ Select	Humanities Elective ² <i>and</i> Fine Arts Elective ²	3	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
_____ HND 101, Select	Personal Nutrition and Humanities ²	2	3
_____ Select	Multicultural Elective ²	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ CSEM 300, 401	Field Crop Production <i>and</i> Agricultural Plant Pathology	4	2
_____ CSEM 403A	Field Crop Diseases	—	2
_____ CSEM 468, 447	Weeds-Their Control <i>and</i> Soil Fertility	3	3
_____ Select	CSEM Elective	3	2
_____ Select	Agriculture Electives	6	3
_____ Select	Approved Electives	—	3
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ CSEM 420, 409	Crop Pest Control <i>and</i> Crop Physiology	4	3
_____ CSEM 381	Seminar	1	—
_____ Select	CSEM Elective	—	3
_____ Select	Agriculture Electives	3	3
_____ Select	Approved Electives	7	6
		15	15

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement.

Crop, Soil and Environmental Management Major

Numerous job opportunities are available for graduates of this major. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Agronomist, plant and soil laboratory technologist, production manager, plant quarantine inspector, plant pest control inspector, farm manager, plant ecologist, plant breeder, technical service representative and plant pathologist.

Crop, Soil and Environmental Management

Soil Science-Science Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Rachel Cook, Professor
Agriculture, Room 161E
Telephone (618) 453-1795
<http://www.coas.siu.edu>

The Crop, Soil and Environmental Management major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a science option.

The program provides thorough training in theory and practice. Although the science option is oriented toward students interested in advanced degrees and research, students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ CHEM 200, 201	Introduction to Chemical Principles and Lab ¹	—	4
_____ MATH 125, 109	Technical Mathematics <i>and</i> Trigonometry and Analytic Geometry	4	3
_____ PLB 200	Plant Biology ¹	—	4
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
_____ Select	Humanities Elective ³	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ HND 101	Personal Nutrition	—	2
		16	16
<i>Second Year</i>		Fall	Spring
_____ CSEM 240, 200	Soil Science <i>and</i> Introduction to Crop Science	4	3
_____ MATH 140	Short Course in Calculus	4	—
_____ CHEM 210, 339	General & Inorganic Chemistry and Introduction to Organic Chemistry	3	3
_____ CHEM 211, 341	General Chemistry Lab II <i>and</i> Organic Chemistry Lab II	1	2
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ GEOG 434	Water Resources Hydrology	4	—
_____ Select	Humanities Elective ³	—	3
		16	14
<i>Third Year</i>		Fall	Spring
_____ CHEM 350	Introduction to Biological Chemistry	3	—
_____ CSEM 447	Fertilizers and Soil Fertility	—	3
_____ PHYS 203A, 203B	College Physics	3	3
_____ CSEM 448	Soil Fertility Evaluation	—	2
_____ AGSE 472, CSEM 441	Precision Agriculture <i>and</i> Soil Morphology and Taxonomy	3	3
_____ CSEM 443	Soil Management	3	—
_____ Select	Agriculture Elective and Social Science Elective ³	3	3
		15	14
<i>Fourth Year</i>		Fall	Spring
_____ CSEM 446, 442	Soil-Water Conservation <i>and</i> Soil Physics	3	3
_____ CSEM 454	Soil Microbiology	4	—
_____ CSEM 420	Crop Pest Control	4	—
_____ PLB 320	Elements of Plant Physiology	4	—
_____ Select	CSEM Elective	—	4
_____ Select	Multicultural Elective ³	—	3
_____ CSEM 381, Select	Seminar <i>and</i> Fine Arts Elective ³	1	3
		16	13

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ See University Core Curriculum.

Crop, Soil and Environmental Management as a Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Agronomist, soil conservationist, water conservationist, soil erosion prevention specialist, environment mapping scientist, plant and soil laboratory technologist, environmental health scientist, technical service representative.

Crop, Soil and Environmental Management

Soil Science-General Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Rachel Cook, Professor
Agriculture, Room 161E
Telephone (618) 453-1795
<http://www.coas.siu.edu>

The Crop, Soil and Environmental Management major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a science option.

The program provides thorough training in theory and practice. The general option is focused on sustainable agriculture although students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 125	Technical Mathematics	4	—
_____ CHEM 140A	Chemistry ¹	—	4
_____ PLB 200	Plant Biology ¹	4	—
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
_____ Select	Social Science Elective ³	—	3
_____ Select	Humanities Elective ³	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ HND 101	Personal Nutrition	—	2
		17	15
<i>Second Year</i>		Fall	Spring
_____ CHEM 140B, CSEM 200	Chemistry and Introduction to Crop Science	4	3
_____ CSEM 240	Soil Science	4	—
_____ Select	Multicultural Elective ³ and Humanities Elective ³	3	3
_____ Select	Fine Arts Elective ³	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Agriculture Electives	3	6
		17	15
<i>Third Year</i>		Fall	Spring
_____ CSEM 443, 447	Soil Management and Fertilizers and Soil Fertility	3	3
_____ CSEM 448	Soil Fertility Evaluation	—	2
_____ CSEM 420	Crop Pest Control	4	—
_____ CSEM 409	Crop Physiology	—	3
_____ AGSE 472, CSEM 441	Precision Agriculture and Soil Morphology and Taxonomy	3	3
_____ Select	Agriculture Elective	3	3
		13	14
<i>Fourth Year</i>		Fall	Spring
_____ CSEM 446, 442	Soil-Water Conservation and Soil Physics	3	3
_____ CSEM 454	Soil Microbiology	4	—
_____ Select	Agriculture Electives	3	3
_____ GEOG 434	Water Resources Hydrology	4	—
_____ Select	Electives	—	8
_____ CSEM 381	Seminar	1	—
		15	14

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ See University Core Curriculum.

Crop, Soil and Environmental Management as a Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Agronomist, soil conservationist, water conservationist, soil erosion prevention specialist, environment mapping scientist, plant and soil laboratory technologist, environmental health scientist, technical service representative.

Dental Hygiene

College of Applied Sciences and Arts
(Bachelor of Science)

Dr. Ronda Demattei, Program Director
Room 137, Applied Sciences and Arts Building
Telephone: (618) 453-7298
E-mail: rondad@siu.edu
<http://sah.siu.edu/undergraduate/dental-hygiene/index.php>

The B.S. degree in dental hygiene meets the objectives of students seeking a position in the challenging field of oral health care delivery. The program prepares the student to take written and clinical board examinations and to apply for licensure as a dental hygienist. Graduates are prepared to enter the profession of dental hygiene as a clinician, administrator, manager, educator, researcher, consumer advocate, change agent, or a combination of all of the roles of the dental hygienist. Practice settings include private dental offices, public health organizations, managed care organizations, military installations, international health care teams, sales and marketing positions for oral care product manufacturers, management positions in large health care facilities, hospitals, or long-term care facilities, and in educational institutions. Students are accepted into the major after completion of the following college courses: English Composition I and II, Introduction to Psychology, College Algebra, Introduction to Sociology, Principles of Animal Biology, Chemistry (140A), Anatomy and Physiology, Microbiology and Food and Nutrition 101. Students will complete the University Core Curriculum requirements and the professional component during the last three years of the program.

Students are accepted into the professional sequence of the program through a selective admission process after completion of the courses listed above or approved substitutes. Once accepted into SIU Carbondale through the Admissions and Records office, the student must submit a separate application to the SIU Carbondale Dental Hygiene Program. All applicants who apply to the dental hygiene program are evaluated on high school G.P.A., ACT scores, college prerequisite course grades, overall college G.P.A., and earned credits according to SIU Carbondale calculations.

Thirty-six students begin the professional sequence each fall semester. In addition to the cost of textbooks, tuition, fees, and room and board, approximately \$2,500 is required to cover the cost of instruments, uniforms, and other professional supplies. Interested persons should contact SIU Carbondale Admissions and Records and the dental hygiene admissions clerk. Applicants are encouraged to apply as early as possible in order to facilitate the application process. All application materials for the fall semester should be on file at SIU Carbondale Admissions and Records and the SIU Carbondale dental hygiene department by the preceding December. This program is fully accredited by the Commission on Dental Education of the American Dental Association (see page 12 for addresses and phone numbers of national accrediting agencies).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year

These specific courses must be completed prior to beginning the sophomore year.

		Fall	Spring
_____ ENGL 101, 102	English Composition I and II	3	3
_____ PSYC 102	Introduction to Psychology	—	3
_____ MATH 108/101	College Algebra or Introduction to Contemporary Mathematics	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ MICR 201	Elementary Microbiology	—	4
_____ HND 101, SPCM 101	Food Nutrition and Introduction to Oral Communication	2	3
_____ CHEM 140A	Chemistry	4	—
_____ AH 241 (Anatomy)	Introduction to Physiology and Human Anatomy	—	4
		15	17
Second Year		Fall	Spring
_____ DH 200	Orientation to Dental Hygiene	2	—
_____ DH 206	Oral Anatomy and Tooth Morphology	2	—
_____ DH 207	Instrumentation Techniques	4	—
_____ DH 210	Patient Assessment Techniques	3	—
_____ DH 212	Medical Emergencies in the Dental Office	—	1
_____ DH 218, 219	Dental Radiology, Dental Radiology II	3	3
_____ DH 220	Dental Hygiene Clinic I	—	4
_____ DH 226, 233	Anatomy of the Head and Neck, Histology and Embryology	2	2
_____ DH 248	General and Oral Pathology	—	4
_____ DH 247	Preventive Oral Care	—	3
		16	17

Third and Fourth Years

The last two years of the program concentrate on upper-level major courses and on remaining University Core Curriculum requirements. Specific degree requirements are available from SIU Carbondale's Dental Hygiene Program and appear in the current SIU Carbondale Undergraduate Catalog.

Degree Completion

The dental hygiene program offers a bachelor of science in dental hygiene degree completion program for students who have completed an associate of applied science in dental hygiene. If qualified, students may be admitted under the Capstone Option. Courses required for the degree completion program are on an individual basis. The last 30 hours must be completed at SIU Carbondale. Articulation agreements are being developed with various associate degree dental hygiene programs in Illinois.

Representative First Job Titles

Licensed dental hygienist, clinician, oral health consultant, researcher, health administrator, public health dental hygienist, and oral health educator.

Early Childhood

(Child and Family Services)
College of Education and Human Services
(Bachelor of Science)

Academic Advisement Office
122 Wham Education Building
Telephone: (618) 453-6340

Dr. D. John McIntyre, Acting Chair
Department of Curriculum and Instruction
327 Wham Education Building
Telephone: (618) 536-2441
<http://ci.siu.edu/>

The B.S. degree program in early childhood with a specialization in child and family services meets the objectives of students preparing for positions as day care and family programs directors or teachers in private schools and day care centers; child-care specialists with social, public health, and welfare agencies, such as Head Start; developmental therapists; parent educators, child life specialist; and recreational leaders.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 101, SPCM 101	Intro to Contemporary Mathematics ¹ <i>and</i> Introduction to Oral Communication ...	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Fine Arts ¹	3	3
_____ Select	Science Group I ¹ <i>and</i> Humanities ¹	3	3
_____ PSYC 102, SOC 108	Introduction to Psychology ² <i>and</i> Introduction to Sociology ²	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select, CI 237	Human Health ¹ <i>and</i> Child Development	2	3
_____ Select, CI 245	Science Group II ¹ <i>and</i> Professional Development Seminar	3	3
_____ Select, HED 351	Multicultural <i>and</i> Health Education in Early Childhood	3	3
_____ Select	Humanities ¹ <i>and</i> Specialization Elective	3	3
_____ CI 227, Select	Marriage and Family Living <i>and</i> Specialization Elective	3	3
_____ SPED 300	Introduction to Special Education	3	—
		17	15

¹ See University Core Curriculum.

Early Childhood as a Child and Family Services Major

The Child and Family Services program is designed for students who prefer to work with children in non-public school settings, such as Head Start or child care, or with children and families through an agency setting. In selecting courses, students can follow any of four suggested career tracks: early childhood program director; child development specialist; parent educator; or social service specialist. This program is flexible, with many choices of electives. Students have practicum experiences with infants, toddlers, and preschoolers at CDL and with other relevant agencies/programs. They also do a semester-long internship in an agency or early childhood setting as a capstone experience.

Representative First Job Titles

Program director, day care center director, child development specialist, recreational leader, preschool director, child behavior education specialist, child welfare education specialist, family welfare education specialist, children's programs organizer, child development specialist, family planning specialist, teacher (pre-school and infant/toddler care), child advocate specialist, and developmental therapist.

Early Childhood Education

(Preschool/Primary)
College of Education and Human Services
(Bachelor of Science)

Academic Advisement Office
122 Wham Education Building
Telephone: (618) 453-6340

Dr. D. John McIntyre, Acting Chair
Department of Curriculum and Instruction
327 Wham Education Building
Telephone: (618) 536-2441
<http://ci.siu.edu/>

The B.S. degree program in early childhood education with a preschool/primary specialization meets the objectives of students interested in the education of children 0–8 years of age (birth to grade 3). Students completing this program will meet state early childhood teacher licensure requirements which allow them to teach in public schools in primary grades.

SIU students seeking Illinois licensure must apply for licensure through the College of Education and Human Services Office of Teacher Education and must meet licensure requirements in effect at the time of their graduation. Licensure requirements are determined by the Illinois State Board of Education and are subject to change. Teacher licensure candidates are urged to consult the current SIU Carbondale Undergraduate Catalog and materials published by the SIU College of Education and Human Services Office of Teacher Education for updates to Illinois teacher licensure requirements.

NOTE: A sample curriculum follows; however requirements are currently undergoing changes.
For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at:
<http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
ENGL 101, 102	Composition I and II.....	3	3
MATH 120/CI 120	Mathematics Content and Methods I	3	–
SPCM 101	Introduction to Oral Communication	–	3
UCOL 101, Select	Foundations of Inquiry and Fine Arts ¹	3	3
Select, MATH 220/CI 220	Science Group II ¹ and Mathematics Content and Methods II	3	3
PSYC 102, Select	Intro to Psychology and Science Group I ¹	3	3
POLS 114	Intro to American Government and Politics	–	3
		15	18
<i>Second Year</i>		Fall	Spring
Select, CI 317	Human Health ¹ and Guiding Play as a Learning Medium.....	2	3
Select, CI 245	Humanities ¹ and Professional Development Seminar	3	3
EDUC 311, HED 351	Diversity, Culture & Education and Health Education in Early Childhood	3	3
CI 227, 325	Marriage and Family Living and Young Children and the Arts	3	3
CI 237, SPED 300	Early Child Development I and Introduction to Special Education	3	3
EDUC 314, 319	Human Growth, Development & Learning and Language, Culture & Learning	3	3
		17	18

¹ See University Core Curriculum.

See the current SIU Carbondale Undergraduate Catalog for additional information on this program.

Early Childhood as a Preschool/Primary Major

The Preschool-Primary program leads to the Illinois Early Childhood Teaching License. The Preschool/Primary program is accredited by NCATE in conjunction with the National Association for the Education of Young Children (NAEYC). Students in this program must be accepted into SIU's Teacher Education Program. Their coursework includes a number of methods courses in Curriculum and Instruction and three courses in Special Education. They also have semester-long practicum experiences with infants, toddlers, and preschoolers at the Child Development Laboratories (CDL) on campus and with kindergarten and primary age children in area public schools. Their student teaching consists of 16 weeks in a public school. Graduates of this program often obtain teaching positions in pre-kindergarten, early childhood special education, or primary grade classrooms.

Applying to the SIU Carbondale Teacher Education Program

After completing 30 hours of college credit, students in this program should apply to the SIU Carbondale Teacher Education Program. For information on when and how to apply, contact the Office of Teacher Education in the College of Education and Human Services at (618) 453-2354 or go to the website at: <http://web.coehs.siu.edu/public/TEP/index.htm>.

Transfer Students

Transfer students planning to complete the teacher licensure program are encouraged to contact the College of Education and Human Services, Academic Advisement Office at (618) 453-6340 at least one year before enrolling at SIU Carbondale.

Economics

College of Liberal Arts
(Bachelor of Arts)

Dr. Subhash C. Sharma, Chair
4121 Faner Hall
Telephone: (618) 536-7746
<http://economics.siu.edu>

The B.A. degree program in economics is great preparation for students pursuing careers in various areas of business, including banking and finance, industry, trade, and utilities. Majoring in economics is also excellent preparation for careers in law, medicine, government, non-profits, and international relations, and for graduate study in business, law, or any of the social sciences.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	—	3
_____ Select	Humanities ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Mathematics	3	—
_____ UCOL 101, Select	Foundations of Inquiry and Fine Arts	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Human Health	—	2
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Multicultural Studies ¹	3	—
_____ Select	Social Science ¹	3	—
_____ ECON 240	Introduction to Microeconomics ²	—	3
_____ Select	English composition (e.g. ENGL 290)	—	3
_____ FL	Foreign language ³	4	4
_____ Select	Science with Lab	3	—
_____ Select	Elective	—	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ ECON 241	Introduction to Macroeconomics ²	3	—
_____ ECON 308	Research Methods in Economics	3	—
_____ ECON 340, 341	Intermediate Micro- and Macroeconomics	3	3
_____ ECONXXX	Economics electives	—	6
_____ Select	Electives ⁴	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Economics electives	6	3
_____ Select	Electives ⁴	9	12
		15	15

¹ See University Core Curriculum.

² Part of economics major requirement. Economics 240 or 241 also satisfy part of Social Science requirements.

³ Two semesters (generally 8 semester hours) of a foreign language are required for all Liberal Arts students. See College of Liberal Arts requirements.

⁴ Elective hours should be used to explore areas of interest or to arrange a program that will meet specific career objectives. For example, students planning careers in business or government might take elective courses in accounting and other business subjects and in computer science. Those considering graduate study in economics are encouraged to take several courses in mathematics.

Economics as a Major

The degree program in economics consists of 30 semester hours of economics courses, 15 hours of which are required courses. For the remaining 15 hours students choose one of three areas to specialize in: general economics, financial economics, and international economics.

To Counselors: We recommend that high school students thinking of majoring in economics take economics in high school, if it is offered. Community college students interested in economics should study principles of macro- and microeconomics.

Representative First Job Titles

Market research analyst, economic analyst, economic forecaster, finance administrator, budget analyst, government economic enterprises studies officer, international banking officer, international trade economist, investment analyst, loan administrator, industrial economist, manufacturer's representative, production supervision, price economist, transportation economist, labor economist, business planner, economic geographer, legislative aide, population economic analyst, right-of-way agent, tax economist, urban economist.

Electrical Engineering

(Computer Engineering Specialization)
College of Engineering
(Bachelor of Science)

Anne Eastlick, Advisement
D-104 Engineering Building
Telephone: (618) 453-1641
E-mail: aeastlick@siu.edu
http://engr.siu.edu/elec/siu_ee.html

See also: Civil Engineering, Computer Engineering, Mechanical Engineering, and Mining Engineering.

The B.S. degree program in electrical engineering meets the objectives of students preparing for professional and technical employment or for graduate studies leading to advanced degrees. Employment opportunities exist in such organizations as governmental laboratories, consumer goods manufacturers, and telecommunications, electric power, computer, and microelectronic companies. This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc., (EAC/ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, <[url: www.abet.org](http://www.abet.org)>.

Flexibility in this major allows students to choose among courses in application and theory of circuits, systems, communications, digital systems, controls, electronics, instrumentation, electromagnetics, and power systems.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <<http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I ^{1, 2}	—	3
_____ ECE 222, 225	Introduction to Digital Computation <i>and</i> Discrete Logic and Digital Systems	3	4
_____ UCOL 101E	Foundations of Inquiry: Intro into Engineering	3	—
_____ MATH 150, 250	Calculus I ³ <i>and</i> II.....	4	4
_____ PHIL 104	Introduction to Ethics ^{1, 2}	3	—
_____ Select, ECE 296/396H	Fine Art ^{1, 2} <i>and</i> Software Tools for Engineers <i>or</i> ECE Honors Course	3	2
_____ PHYS 205A	University Physics I ³	—	3
_____ PHYS 255A	University Physics Lab I	—	1
		16	17
<i>Second Year</i>		Fall	Spring
_____ MATH 251, 305	Calculus III <i>and</i> Introduction to Ordinary Differential Equations	3	3
_____ PHYS 205B	University Physics II ³	3	—
_____ PHYS 255B	University Physics Lab II.....	1	—
_____ Select	Science Elective ⁵	—	4
_____ ENGL 102	Composition II ^{1, 2}	—	3
_____ ECE 375	Introduction to Electromagnetic Fields.....	—	3
_____ ECE 235	Electrical Circuits I	4	—
_____ ECE 327	Sequential Circuit Design	4	—
_____ ECE 345	Electronics	—	4
		15	17
<i>Third Year</i>		Fall	Spring
_____ PHIL 105	Introduction to Elementary Logic ^{1, 2}	3	—
_____ BIOL 202	Human Genetics and Human Health	—	2
_____ SPCM 101	Introduction to Oral Communications ^{1, 2}	3	—
_____ ENGR 304I	History of American Technology	—	3
_____ ECE 315	Mathematical Methods in Engineering.....	3	—
_____ ECE 355	Signals and Systems.....	4	—
_____ ECE 356	Systems and Control.....	—	3
_____ ECE 385	Electromechanical Energy Conversion.....	4	—
_____ Select	Technical Elective	—	8
		17	16
<i>Fourth Year</i>		Fall	Spring
_____ ECE 495C,D	Electrical Engineering Design	3	3
_____ Select	Technical electives ⁴	8	8
_____ ECON 240/241	Introduction to Micro- or Macroeconomics.....	—	3
_____ Select	Social Science ^{1, 2}	3	—
		14	14

¹ See University Core Curriculum. Transfer students without a baccalaureate-oriented associate degree will be required to take some specific University Core Curriculum courses. Students should contact the Engineering Advisement Office for information on recommended University Core Curriculum courses.

² The College of Engineering requires that students transferring with a baccalaureate-oriented associate degree complete or transfer at least 15 semester hours of social sciences, fine arts, humanities, multicultural and interdisciplinary economics; six or seven semester hours of oral and written communications; and at least 32 semester hours of mathematics and basic sciences before graduation from Southern Illinois University Carbondale.

³ Substitutes for University Core Curriculum.

⁴ Selected from an approved list of technical electives.

⁵ Can be substituted with another 4-hour science course, approved by the department chair. For transfer students can be substituted with a 4-hour chemistry course.

Transfer students

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific freshman and sophomore course requirements, which include 6 semester hours of composition; 3 hours of speech, 8 hours of university physics; and 11–14 hours of mathematics, including calculus. Calculus is a prerequisite for junior-level courses.

Representative First Job Titles

Electrical engineer, product development and design engineer, product application and test engineer, sales, operations research analyst, patent engineer, communications engineer, computer engineer, power engineer, systems engineer, electronics engineer, software engineer, control engineer, digital signal processing engineer.

Electrical and Computer Engineering

DUAL DEGREE

College of Engineering
(Bachelor of Science)

Anne Eastlick, Advisement

D-104 Engineering Building

Telephone: (618) 453-1641

E-mail: aeastlick@siu.edu

http://enr.siu.edu/elec/siu_ee.html

The B.S. degree program in electrical engineering meets the objectives of students preparing for professional and technical employment or for graduate studies leading to advanced degrees. Employment opportunities exist in such organizations as governmental laboratories, consumer goods manufacturers, and telecommunications, electric power, computer, and microelectronic companies. This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc., (EAC/ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012, Telephone: (410) 347-7700, www.abet.org.

Flexibility in this major allows students to choose among courses in application and theory of circuits, systems, communications, digital systems, controls, electronics, instrumentation, electromagnetics, and power systems.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101	Composition I ^{1,2}	—	3
_____ PHYS 205A	University Physics I ³	—	3
_____ PHYS 255A	University Physics Lab I	—	1
_____ ECE 222	Introduction to Digital Computation	3	—
_____ ECE 225	Introduction to Discrete Logic and Digital Systems	—	4
_____ UCOL 101E	Foundations of Inquiry: Intro into Engineering	3	—
_____ MATH 150, 250	Calculus I ³ and II	4	4
_____ PHIL 104	Introduction to Ethics ^{1,2}	3	—
_____ ECE 296/396	Software Tools for Engineers or ECE Honors Course	—	2
_____ Select	Fine Art ^{1,2}	3	—
		16	17
<i>Second Year</i>		Fall	Spring
_____ MATH 251, 305	Calculus III and Introduction to Ordinary Differential Equations.....	3	3
_____ PHYS 205B	University Physics II ³	3	—
_____ PHYS 255B	University Physics Lab II	1	—
_____ ENGL 102	Composition II ^{1,2}	—	3
_____ ECE 327	Sequential Circuit Design.....	4	—
_____ ECE 345	Electronics	—	4
_____ ECE 235	Electrical Circuits I	4	—
_____ ECE 321	Intro to Software Engineering.....	3	—
_____ ENGR 304I	Social History of American Technology	—	3
_____ ECON 240/242	Introduction to Microeconomics or Macroeconomics	—	3
		18	16
<i>Third Year</i>		Fall	Spring
_____ Select	Science Elective	4	—
_____ BIOL 202	Human Genetics and Human Health	—	2
_____ ECE 315	Mathematical Methods in Engineering	3	—
_____ ECE 355	Signals and Systems	4	—
_____ ECE 356	Systems and Control	—	3
_____ ECE 375	Electromagnetic Fields	3	—
_____ PHIL 105	Introduction to Elementary Logic ^{1,2}	—	3
_____ ECE 385	Electromechanical Energy Conversion	—	4
_____ Select	Technical Electives ⁴	—	4
_____ ECE 329	Computer Organization and Design	4	—
		18	16
<i>Fourth Year</i>		Fall	Spring
_____ ECE 495C	Electrical Engineering Design C	—	3
_____ SPCM 101	Introduction to Oral Communications ^{1,2}	—	3
_____ Select	Technical electives ⁴	15	8
_____ Select	Social Science ^{1,2}	—	3
		15	17
<i>Fifth Year (Ninth Semester)</i>		Fall	
_____ ECE 495D	Electrical and Computer Engineering Design	3	
_____ Select	Technical electives ⁴	14	
		17	

¹ See University Core Curriculum. Transfer students without a baccalaureate-oriented associate degree will be required to take some specific University Core Curriculum courses. Students should contact the Engineering Advisement Office for information on recommended University Core Curriculum courses.

² The College of Engineering requires that students transferring with a baccalaureate-oriented associate degree complete or transfer at least 15 semester hours of social sciences, fine arts, humanities, multicultural and interdisciplinary economics; six or seven semester hours of oral and written communications; and at least 32 semester hours of mathematics and basic sciences before graduation from Southern Illinois University Carbondale.

³ Substitutes for University Core Curriculum.

⁴ Selected from an approved list of technical electives.

⁵ Can be substituted with another 4-hour science course, approved by the department chair. For transfer students can be substituted with a 4-hour chemistry course.

Transfer students

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific freshman and sophomore

course requirements, which include 6 semester hours of composition; 3 hours of speech, 8 hours of university physics; and 11–14 hours of mathematics, including calculus. Calculus is a prerequisite for junior-level courses.

Representative First Job Titles

Electrical engineer, product development and design engineer, product application and test engineer, sales, operations research analyst, patent engineer, communications engineer, computer engineer, power engineer, systems engineer, electronics engineer, software engineer, control engineer, digital signal processing engineer.

Electronic Systems Technologies

College of Applied Sciences and Arts
(Bachelor of Science)

Belle Woodward, Interim Director
School of Information Systems & Applied Technologies
106 Applied Sciences and Arts Building
Telephone: (618) 453-7253

Elaine Atwood, Academic Advisor
E-mail: atwood@siu.edu
<http://isat.siu.edu>

The B.S. in Electronic Systems Technologies (EST) is a career-oriented program designed to provide the electronics technician with the tools necessary for advancement to supervisory positions in the field of electronics. The pervasive nature of electronics has resulted in the need for highly trained technologists in all sectors of business and industry.

EST graduates consistently report that the advanced technical training and managerial skills emphasized in this degree have opened many career opportunities in public, private, and military sectors of the electronics industry. EST graduates, responding to recent surveys, report a wide variety of job titles and career directions.

The 120-semester hour EST curriculum has two parts: a 41-semester hour University Core Curriculum and a 79-semester hour major in electronic systems technologies. The University Core Curriculum provides a foundation to help students succeed in their course of study and in life beyond the university. Students entering the program as freshmen are not required to have a background in electronics. Requirements for the major provide a sequential program in electronics and allow students to select courses that lead toward careers in the electronics industry. Students can select one of two baccalaureate educational paths: 1) *electronic systems technologies* or 2) *electronics systems technologies with an electronics management specialization*.

The Electronic Systems Technologies degree is a four-year 120-credit hour program that provides training in fundamental electronic theory and advanced supervisory and technical skills. Students may enter the program at the freshman level or build on previous technical training received in military schools, technical institutes, and community colleges. Credit for post-secondary course work, military training, and work experience will be evaluated on an individual basis. The program is ideally suited for students who possess an associate in applied science degree in electronics technology. The A.A.S. degree may be coupled with SIU Carbondale's Capstone Option. A mandatory internship/co-op experience ensures that students receive field experience in their chosen career field. The curriculum places emphasis on skills necessary to achieve long-term career goals in biomedical equipment technology, automation and control, telecommunications, and networking.

Electronic Systems Technologies

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ EST 101	DC-AC Circuit Analysis	3	—
_____ EST 102	Electronics Circuit Theory	—	3
_____ EST 111	DC-AC Circuit Analysis Laboratory	3	—
_____ EST 112	Electronics Circuits Laboratory	—	3
_____ ISAT 121	Installing and Upgrading Computer Systems	—	3
_____ ENGL 101, 102	English Composition I and II	3	3
_____ Select	Mathematics ¹ (recommend MATH 125 Technical Mathematics with Applications)	3-4	—
_____ Select	Science ¹ (PHYS 101)	—	3-4
_____ UCOL 101	Foundations of Inquiry	3	—
		15-16	15-16
<i>Second Year</i>		Fall	Spring
_____ EST 201	Digital Circuits Theory	3	—
_____ EST 202	Industrial Process Control	—	3
_____ EST 211	Digital Circuits Laboratory	3	—
_____ EST 212	Industrial Process Control	—	3
_____ EST 221	Intro to Electronic Communications	3	—
_____ ISAT 224	LAN Installation and Administration	—	3
_____ IST 209	Introduction to Programming	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Science ¹	—	3
_____ Select	Fine Arts ¹	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ EST 404	Communications Systems Management	3	—
_____ EST electives	Electronics Technology specialized electives	6	6
_____ ISAT 366	Applications of Technical Writing	3	—
_____ Select	Social Science ¹	3	3
_____ EST 305	Trouble Shooting and Maintenance	—	3
_____ Select	Humanities ¹	—	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Humanities	3	—
_____ EST 319	Electronic Occupations Internship	—	3/4
_____ EST 451	Current Trends in Electronic Systems Technologies	—	3
_____ EST electives	Electronics Technology specialized electives	9	6
_____ Select	Human Health ¹	—	2
_____ Select	Multicultural ¹	3	—
		15	15/16

¹ See University Core Curriculum.

NOTE: EST elective courses may be selected from the following list. The department adviser and faculty will assist in recommending courses for particular programs of study. The adviser must approve any substitution of courses outside of this list.

EST 301-3	Introduction to Biomedical Instrumentation
EST 302-3	Optical Electronics
EST 306-3	Technical Drawing
EST 307-3	Industrial Control Equipment
EST 311-3	Biomedical Instrumentation Laboratory
EST 317-3	Industrial Human Machine Interfacing
EST 338-3	Alternative Energy
EST 340-3	Application of Solid State Devices
EST 341-3	Digital Circuit Applications
EST 342-3	Microcontroller Applications
EST 350-1– 32	Technical Career Subjects
ISAT 365-3	Data Applications
EST 385-3	Fiscal Aspects of Electronic Systems Technologies
EST 387-3	Electronics Industry Labor Management Relations
EST 388-3	Legal Aspects of Electronics
EST 407-3	Industrial Networking and Systems Integration
EST 411-3	Imaging and Information Systems in Healthcare
ISAT 335-3	Advanced Network Installation and Administration
ISAT 415-3	Enterprise Network Management
ISAT 416-3	Advanced Enterprise Networking Management

Baccalaureate Degree Program in Electronic Systems Technologies–Electronics Management Specialization

NOTE: The following is a suggested curriculum for the bachelor's degree in electronic system technologies with an electronics management specialization. Curricula for the first two years are the same as above.

The electronic systems technologies major that chooses the electronics management specialization (120 hours) will take course work designed to provide an effective school-to-work transition for specific careers in the electronics industry. Completion of this specialization provides graduates with advanced skills required by an electronics technologist. Technical skills include planning and implementation of preventive maintenance programs, testing, troubleshooting, and calibration of electronic equipment and systems. In addition, the specialization will include skills in writing, interpreting, and presenting technical documentation.

This curriculum offers the flexibility to best serve the student's background and career goals. It also works well for students who already possess an associate in applied science (A.A.S.) degree in electronics technology. The Capstone Option is available, and formal program articulation agreements between SIU Carbondale and community colleges have been developed to ensure that the student is able to receive a baccalaureate degree in electronic systems technologies with a specialization in electronics management with the completion of an additional 60 hours of approved course work.

Third Year		Fall	Spring
EST 302	Optical Electronics.....	3	–
EST 365	Electronics Industry Data Applications	–	3
EST 385	Fiscal Aspects of Electronic Systems Technologies	3	–
EST 387/388	Electronics Industry Labor Management Relations or Legal Aspects of Electronics	–	3
ISAT 366	Applications of Technical Writing	3	–
Select	Independent Study or Internship or Approved Equivalent	–	3
Select	Social Science ¹	3	–
Select	Interdisciplinary Studies ¹	–	3
Select	Multicultural Studies ¹	3	–
Select	Humanities ¹	–	3
		15	15
Fourth Year		Fall	Spring
EST 340	Application of Solid State Devices	3	–
EST 341	Digital Circuit Applications	3	–
EST 342	Microcomputer Applications Lecture	3	–
EST 343	Microcomputer Applications Lab	3	–
EST 404	Communication Systems Management	–	3
EST 441	Career Development for Electronics Managers	–	3
EST 451	Current Trends in Electronics Management	–	3
EST elective	Electronics Management Elective Approved by Department or Independent Study or Internship or Approved Elective	–	4
Select	Human Health ¹	–	2
Select	Social Science ¹	3	–
		15	15

The 41-hour University Core Curriculum requirement may be met by courses completed at any accredited college or university or by credit received through CLEP, USAFI, DANTES, or proficiency examinations. However, 42 hours of 300-400 level credit must be earned in a senior-level institution. Students who have completed an associate degree may be eligible for the Capstone Option, which reduces the hours required in the University Core Curriculum from 41 to 30. Students may also receive credit for previous educational, military, and occupational experience. Credit is established by departmental evaluation.

Representative First Job Titles

Production technician, biomedical technician, field service manager, production manager, broadcast technician, production supervisor, systems/network analyst, process control technician, instrumentation calibration technician, and technical salesperson are examples of job titles graduates have obtained. Entry-level salaries vary with the type of industry and its geographic location. Typically, starting salaries range from \$35,000 to \$60,000 per year.

Elementary Education (1-6)

College of Education and Human Services

Academic Advisement Office
122 Wham Education Building
Telephone: (618) 453-6340

Dr. D. John McIntyre, Acting Chair
Curriculum and Instruction
327 Wham Building
Telephone: (618) 536-2441
<http://ci.siu.edu/>

The B.S. degree in education with a major in elementary education meets the objectives of students interested in teaching grades 1-6 and prepares them to fulfill the minimum requirements for a standard Elementary School Teaching License. Elementary education majors are prepared to accept jobs in self-contained or departmentalized classrooms at the elementary level. Students should study the section in the current SIU Carbondale undergraduate catalog that lists requirements. In addition to general University and College of Education and Human Services requirements, students must meet all requirements prerequisite to student teaching.

SIU students seeking Illinois licensure must apply for licensure through the College of Education and Human Services Office of Teacher Education and must meet licensure requirements in effect at the time of their graduation. Licensure requirements are determined by the Illinois State Board of Education and are subject to change. Teacher licensure candidates are urged to consult the current SIU Carbondale Undergraduate Catalog and materials published by the SIU College of Education and Human Services Office of Teacher Education for updates to Illinois teacher licensure requirements.

NOTE: A sample curriculum follows; however requirements are currently undergoing changes.
For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at:
<http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ SPCM 101, KIN 202	Intro to Oral Communication <i>and</i> Physical Activities for Children & Youth	3	3
_____ CI/MATH 120, 220	Mathematics Content and Methods for Elementary School I <i>and</i> II	3	3
_____ HIST 101A, B	The History of World Civilization I <i>and</i> II.....	3	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ PSYC 102	Introduction to Psychology	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ SCI 210A,B	Integrated Science I <i>and</i> II.....	3	3
_____ MATH 108, 282	College Algebra <i>and</i> Statistics	3	3
_____ POLS 114, CI 325	Introduction to American Politics <i>and</i> Young Children and the Arts.....	3	3
_____ HED 450, CI 237	Health Programs in Elementary Schools <i>and</i> Early Child Development I	3	3
_____ EDUC 311	Diversity, Culture, and Education in a Pluralistic Society.....	3	—
_____ EDUC 314	Human Growth, Development, and Learning	—	3
_____ CI 313	Early Literacy Methods	—	3
		15	18

¹ Contact Academic Advisement Office for assistance in choosing these courses.

Elementary Education (1-6) as a Major

Students who plan to teach children from grades 1-6 should major in elementary education. Elementary education has four parts: University Core Curriculum courses required of all students pursuing a bachelor's degree at SIU Carbondale; the teacher education program—a professional education sequence that culminates in a semester of student teaching; a group of required and elective courses in the professional field of elementary education; and observed and actual experiences with children. All students should refer to Teacher Education Program Admission Requirements.

Transfer Students

Transfer students planning to complete the teacher license program are encouraged to contact the College of Education and Human Services Academic Advisement Office at (618) 453-6340 at least one year prior to enrolling at SIU Carbondale.

Engineering Technology

(Electrical)
College of Engineering
(Bachelor of Science)

Dr. Mandara Savage, Chair
D105 Engineering Building
Telephone: (618) 536-3396
E-mail: msavage@engr.siu.edu
<http://www.engr.siu.edu/tech/>

In the occupational spectrum between the technician and the engineer, engineering technology lies at the end of the spectrum closer to the engineer, integrating scientific and engineering knowledge and methods with technical skills and applying them to the support of engineering activities.

The B.S. degree program in engineering technology (electrical engineering technology specialization) meets the objectives of students planning careers in electronics, manufacturing, power generation, communication industries, and computer technologies. Students study electrical circuits, logic design, communications, microprocessors, and microcomputers. Other courses prepare them for participation in the planning and installation of power distribution systems, the operation and maintenance of complex electrical systems and industrial automation and control.

This curricula is accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, (TAC/ABET), www.abet.org.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101E, Select	Foundations of Inquiry <i>and</i> Humanities ¹	3	3
_____ Select	Fine Arts ¹ <i>and</i> Social Science ¹	3	5
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ SPCM 101	Introduction to Speech Communications	3	—
_____ MATH 111 ² , 150	Pre-Calculus ² <i>and</i> Calculus I	4	4
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹ <i>and</i> Social Science ¹	6	3
_____ ET 150, ENGR 222B	Intro to Electrical Engineering Technology <i>and</i> Computational Methods.....	2	2
_____ ET 245	Intro to Circuit Theory and Applications	—	4
_____ MATH 282	Introduction to Statistics.....	3	—
_____ MGMT 202	Business Communications	—	3
_____ PHYS 203A,B	College Physics ²	3	3
_____ PHYS 253A,B	College Physics Lab	1	1
		15	16
<i>Third Year</i>		Fall	Spring
_____ ET 238	Digital System Fundamentals	4	—
_____ ET 304A, B	AC/DC Circuit Theory and Application <i>and</i> Network Theory and Application	4	4
_____ ET 332A, B	DC Motors, Generators and Energy Conversion Devices <i>and</i> AC Electric Machines and Power Systems.....	4	4
_____ ET 439	Microprocessor Applications and Design.....	—	4
_____ Select	Technical Electives	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ ET 403A,B	Electronic Circuit Analysis <i>and</i> Electronics Application and Design	4	4
_____ ET 437A,B	Wireless Communication Fundamentals <i>and</i> Wireless Communication Systems	4	4
_____ ET 438A,B	Automatic Control Systems Technology <i>and</i> Continuous and Digital Control Systems	4	4
_____ Select	Technical Electives	1	3
		13	15

¹ See University Core Curriculum. Consult academic advisor for specifics.

² Substitutes for University Core Curriculum.

Engineering Technology as a Major, with a Specialization in Electrical Engineering Technology

Required for the degree are 120 semester hours of course work, including mathematics and basic science; communications; humanities and social science; required major; and elective technology courses. A minimum of 30 semester hours in engineering technology must be taken in residence at SIU Carbondale.

The courses required for transfer students with associate in applied science degrees from an occupational program are dependent on the student's previous program. For the electrical engineering specialization, 30 hours in the engineering technology curriculum must be taken at SIU Carbondale. A Capstone Option may be available in the engineering technology degree program. Students' Capstone Option applications must be on file by the end of their first semester at SIU Carbondale. Additional qualification requirements are detailed in this catalog under Capstone Option.

Career and Employment Opportunities in EET

Employment opportunities for graduates with B.S. degrees in electrical engineering technology are excellent. Graduates are employed in the communications industry, electronic and electrical industries; by transportation industries and consulting firms; in the power and energy industries, in machinery manufacturing companies, and in many other areas.

English

(General/Literature/Grad School Preparation)
College of Liberal Arts
(Bachelor of Arts)

Dr. Michael R. Molino, Chair
Dr. Mary Bogumil, Director of Undergraduate Studies
Department of English, Faner Hall
Telephone: (618) 453-5321
<http://www.english.siu.edu/>

Students who choose to study literature, language, and composition at Southern Illinois University Carbondale have excellent resources available to them: an experienced faculty, well-equipped facilities and extensive library collections. The B.A. degree program in English is offered with four areas of specialization (general studies/ graduate school; pre-professional; creative writing; teacher education) that will accommodate a variety of career objectives. Each specialization requires students to complete a set of English core courses (ENGL 301, 302A, 302B, 303, 305, and 365), as well as a series of additional courses specifically relevant to the area of concentration. Students who plan to declare English as a major should consult the department's director of undergraduate studies as soon as they know they will major in English. If possible, transfer students should contact a departmental adviser before their first registration at SIUC. (Any of the four English specializations may be modified by entry into the departmental honors program.)

The Bachelor of Arts program in English with a specialization in *general studies/graduate school preparation* specialization appeals to students preparing for graduate study and for occupations such as journalism and publishing that place more than usual emphasis on effective communication and organization of ideas. The broadly based program focuses on English, American, and world literatures and includes study in the various forms and periods of literature. For students with excellent undergraduate records, a taste for literary analysis and criticism, and a desire to teach young adults rather than adolescents, college teaching is a viable option for a career. This concentration, which allows a great deal of flexibility in choosing upper-division courses, offers a thorough background in composition, language, and literature, both contemporary and historic.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry and Introduction to Oral Communication	3	3
_____ Select	Science ¹	3	3
_____ Select	Core Fine Arts ¹	3	3
_____ Select	Core Mathematics ¹	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	English Composition	—	3
_____ Select	Core Humanities ¹	3	3
_____ Select	Core Social Science ¹	3	3
_____ Select	Core Multicultural ¹ and Core Health ¹	3	2
_____ Select	Foreign Language ^{2, 3}	4	4
_____ Select	Science with Lab	3	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ ENGL 301, Select	Introduction to Literary Analysis ² and Elective	3	3
_____ ENGL 365, Select	Shakespeare ² and Elective	3	3
_____ ENGL 302A, 302B	Literary History of Britain, Beowulf to Civil War and Literary History of Britain, Restoration to Present	3	3
_____ ENGL 303, 305	Literary History of the United States before 1900 and Literary History of Britain and the United States, 1900 to present	3	3
_____ Select	Electives	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	English/American /Irish Literature Before 1800 and After 1800	3	3
_____ Select	Continental Literature	3	—
_____ Select	Electives	9	12
		15	15

¹ See University Core Curriculum.

² Required by the major.

³ College of Liberal Arts requirement.

English as a Major

Major goals of the University Core Curriculum, pre-graduate study, and pre-professional specializations are 1) teaching students to write clearly and effectively; 2) preparing them to read precisely with insight and understanding; and 3) familiarizing them with the history, artistry, and human values of our linguistic and literary heritage. Although a minor field is not required, English majors are encouraged to consider complementary minor fields such as foreign languages and literatures, history, philosophy, linguistics, speech communication, journalism, psychology, sociology, political science, African Studies, Black American studies, theater, computer science, business administration, and marketing. Creativity, critical thinking, and communication—skills acquired in the English major—are crucial for success in any field of study. The English major and minor complement and enhance study in virtually all academic disciplines. Students planning to enter graduate school are encouraged to take two years of a single foreign language.

English

(Pre-Professional Specialization)
College of Liberal Arts
(Bachelor of Arts)

Dr. Michael R. Molino, Chair
Dr. Mary Bogumil, Director of Undergraduate Studies
Department of English, Faner Hall
Telephone: (618) 453-5321
<http://www.english.siu.edu/>

The Bachelor of Arts degree program in English with a specialization in pre-professional preparation attracts students who want to write clearly and effectively and to read with understanding. The emphasis on language and communication in this program may be particularly attractive to pre-law, pre-business and pre-med students. Indeed, surveys show that the verbal abilities of English graduates are highly desirable in business and government. Courses in literature are included to refine the student's awareness of language, capacity for analytic thinking, and understanding of human behavior.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry and Introduction to Oral Communication	3	3
_____ Select	Science ¹	3	3
_____ Select	Core Fine Arts ¹	3	3
_____ Select	Core Mathematics ¹	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	English Composition.....	—	3
_____ Select	Core Humanities ¹	3	3
_____ Select	Core Social Science ¹	3	3
_____ Select	Core Multicultural ¹ and Core Health ¹	3	2
_____ Select	Foreign Language ^{2, 3}	4	4
_____ Select	Science with Lab	3	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ ENGL 301	Introduction to Language Analysis	3	—
_____ ENGL 290/291/390/ 391/392	Intermediate Analytical Writing or Intermediate Technical Writing or Advanced Composition or Precision in Reading and Writing or Technology and Technical Communication	—	3
_____ ENGL 365, Elective	Shakespeare ²	3	3
_____ ENGL 302A,302B	Literary History of Britain, Beowulf to Civil War and Literary History of Britain, Restoration to Present ²	3	3
_____ ENGL 303/305	Literary History of the United States before 1900 and Literary History of Britain and the United States, 1900 to present ²	3	3
_____ Select	Electives	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ ENGL 300/401/403	Intro to Language Analysis or Modern English Grammars or History of the English Language	3	—
_____ ENGL 490/491	Expository Writing or Technical Writing	—	3
_____ Select	Electives	12	12
		15	15

¹ See University Core Curriculum.

² Required by the major.

³ College of Liberal Arts requirement

English as a Major

Major goals of the University Core Curriculum, pre-graduate study, and pre-professional specializations are 1) teaching students to write clearly and effectively; 2) preparing them to read precisely with insight and understanding; and 3) familiarizing them with the history, artistry, and human values of our linguistic and literary heritage. Although a minor field is not required, English majors are encouraged to consider complementary minor fields such as foreign languages and literatures, history, philosophy, linguistics, speech communication, journalism, psychology, sociology, political science, African Studies, Black American studies, theater, computer science, business administration, and marketing. Creativity, critical thinking, and communication—skills acquired in the English major—are crucial for success in any field of study. The English major and minor complement and enhance study in virtually all academic disciplines. Students planning to enter graduate school are encouraged to take two years of a single foreign language.

English

(Creative Writing)
College of Liberal Arts
(Bachelor of Arts)

Dr. Michael R. Molino, Chair
Dr. Mary Bogumil, Director of Undergraduate Studies
Department of English, Faner Hall
Telephone: (618) 453-5321
<http://www.english.siu.edu/>

The Bachelor of Arts degree program in English with a specialization in creative writing meets the objectives of students who want to pursue and refine an interest in literature and language through their creative abilities. The equivalent of seven courses beyond the Core Curriculum required of all English majors is offered, culminating in a directed senior writing project such as a collection of short stories or poems, a novel, or a play. All faculties teaching these courses have published their own creative writing, and the major thrust of the student's work will be toward publication. An alternative to the senior project, if appropriate arrangements can be made, might be an internship in a publishing firm.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry <i>and</i> Introduction to Oral Communication	3	3
_____ Select	Science ¹	3	3
_____ Select	Core Fine Arts ¹	3	3
_____ Select	Core Mathematics ¹	3	3
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ Select	English Composition	—	3
_____ Select	Core Humanities ¹	3	3
_____ Select	Core Social Science ¹	3	3
_____ Select	Core Multicultural ¹ <i>and</i> Core Health ¹	3	2
_____ Select	Foreign Language ^{2, 3}	4	4
_____ Select	Science with Lab.....	3	—
		<u>16</u>	<u>15</u>
<i>Third Year</i>		Fall	Spring
_____ ENGL 301, Select	Introduction to Literary Analysis ² <i>and</i> Elective	3	3
_____ ENGL 365, Select	Shakespeare ² <i>and</i> Elective	3	3
_____ ENGL 302A, 302B	Literary History of Britain, Beowulf to Civil War <i>and</i> Literary History of Britain, Restoration to Present	3	3
_____ ENGL 303, 305	Literary History of the United States before 1900 <i>and</i> Literary History of Britain and the United States, 1900 to present	3	3
_____ ENGL 382A, 382B	Creative Writing: Beginning <i>and</i> Intermediate Poetry	—	3
		<u>15</u>	<u>15</u>
<i>Fourth Year</i>		Fall	Spring
_____ ENG 381A, 381B	Creative Writing: Beginning <i>and</i> Intermediate Fiction.....	3	3
_____ ENGL 351/352, 492A/492B	Forms of Fiction <i>or</i> Poetry <i>and</i> Creative Writing Seminar: Fiction <i>or</i> Poetry	3	3
_____ Select	Electives.....	9	9
		<u>15</u>	<u>15</u>

¹ See University Core Curriculum.

² Required by the major.

³ Two semesters (generally 8 semester hours) of a foreign language are required for all liberal arts students. See College of Liberal Arts requirements.

⁴ Elective hours should be used to explore areas of interest and enhance career opportunities or selected to satisfy liberal arts requirements (see College of Liberal Arts).

English as a Major

Students interested in creative writing are strongly urged to confer with the director of undergraduate studies in English as soon as possible. The designs of these specializations require a great deal of advisement and consultation to insure that students go through the proper sequence of courses. If possible, transfer students should contact a departmental adviser before their first registration at SIU Carbondale.

Representative First Job Titles

Webmaster, public relations officer, publications personnel, announcer, continuity writer, copywriter, correspondent, critical writer, editorial writer, feature writer, program assistant, reporter, assistant librarian, rewriter, technical writer, television writer, manufacturer's representative, sales agent, recreation specialist, interpreter.

English

(Teacher Education)
College of Liberal Arts
(Bachelor of Arts)

Dr. Michael R. Molino, Chair
Dr. Mary Bogumil, Director of Undergraduate Studies
Department of English, Faner Hall
Telephone: (618) 453-5321
<http://www.english.siu.edu/>

(Teacher Education)
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
122 Wham Building
Telephone: (618) 453-6340
edadvise@siu.edu

Students who plan to teach English at the high school level can prepare through either the College of Liberal Arts or the College of Education and Human Services at SIU Carbondale. Both degrees require admission to the teacher education program. The teacher education program consists of courses required for teacher certification, a semester of student teaching, and the English core (ENGL 301, 302A, 302B, 303, 305, and 365), as well as courses in language analysis; challenges in teaching composition, language, literature and reading in high school; advanced courses in English literature before 1800, and continental literature; and one elective course. All English TEP students are required to have one year of a foreign language.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry <i>and</i> Introduction to Oral Communication	3	3
_____ Select	Science ¹	3	3
_____ MATH/CI 120, 220	Content and Methods for Elementary School I ¹ <i>and</i> II ¹	3	3
_____ AD 101, HED 101	Introduction to Visual Culture ¹ <i>and</i> Foundations of Human Health ¹	3	2
		15	14
<i>Second Year</i>		Fall	Spring
_____ HIST 110	Twentieth Century America	—	3
_____ Select	Core Humanities ¹	3	—
_____ PSYC 102	Introduction to Psychology	3	—
_____ EDUC 314	Human Growth, Development and Learning.....	—	3
_____ Select	Foreign Language ^{2, 3}	4	4
_____ EDUC 311, Select	Diversity, Culture, and Education <i>and</i> Human Health	3	2
		13	12
<i>Third Year</i>		Fall	Spring
_____ ENGL 301, 300/401	Intro to Literary Analysis ² <i>and</i> Intro to Language Analysis <i>or</i> Modern English Grammars	3	3
_____ ENGL 365	Shakespeare ² <i>and</i> Elective.....	3	—
_____ ENGL 302A, 302B	Literary History of Britain, Beowulf to Civil War <i>and</i> Literary History of Britain, Restoration to Present	3	3
_____ ENGL 303, 305	Literary History of the United States before 1900 <i>and</i> Literary History of Britain and the United States, 1900 to present	3	3
_____ EDUC 313, 319	Classroom Planning, Organization & Mgt <i>and</i> Language, Culture & Learning.....	3	3
_____ EDUC 301, 302	Clinical I <i>and</i> Clinical II.....	1	1
		16	13
<i>Fourth Year</i>		Fall	Spring
_____ Select	English/American /Irish Literature Before 1800 <i>and</i> After 1800	3	3
_____ Select	Continental Literature	3	—
_____ ENGL 485A	Teaching Writing and Language in the Secondary School.....	3	—
_____ ENGL 485B	Teaching Reading and Literature in the Secondary School.....	—	3
_____ Select	Electives	3	6
_____ EDUC 303, 308	Clinical III <i>and</i> Methods for Teaching Exceptional Children	3	1
		15	13

* See also College of Education and Human Services.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

³ Required by the major.

English as a Major

The Bachelor of Arts and Bachelor of Science degree programs in English education meet the objectives of students preparing for teaching at the secondary level, for graduate study, or for positions requiring effective communication of ideas. Students will gain a thorough background in composition, language, and literature, studying the various forms of English, American, and world literature, contemporary and historic. Students interested in the teacher education preparation specialization should become aware of the requirements for entering the teacher education program. The Department of English requires a 2.75 GPA in the major and successful (C or better) completion of three upper-division English courses for recommendation to unconditional status in the teacher education program. A minimum GPA of 2.75 on all college work and a 2.75 GPA in the major are required for the teacher education program.

Representative First Job Titles

Editor, webmaster, publications personnel, copywriter, correspondent, critical writer, feature writer, program assistant, reporter, assistant librarian, rewriter, technical writer, television writer, manufacturer's representative, sales agent, interpreter.

Environmental Studies (Minor)

Interdisciplinary

Dr. Leslie A. Duram, Director
Telephone: 618-453-6084
Email: duram@siu.edu
www.environmentalstudies.siu.edu

Welcome to Environmental Studies (ENVS)! Open to all Majors: you can add some “green” to any degree. The Environmental Studies minor is an excellent complement to any major, and serves to enhance your career opportunities. You earn an Environmental Studies minor through 15 credit hours, drawing from the expertise of faculty and departments across campus. The goal is to broaden your perspective, while allowing you to follow your individual interests. You will expand your viewpoint and gain new skills for environmental analysis. For example, you can learn more about environmental ethics and media, ecology and wildlife; environmental education and policies; green buildings and organizations. The possibilities to widen your knowledge base are nearly endless. This minor helps unify the theme of environmental studies, while creating individual paths for student success.

The Environmental Studies minor is built around one core course, three topic courses (Environmental, Society, Skills), and one unifying final course.

Core Course – take one 3
AGRI/LAC 300I or GEOG 300I

Topic Courses – take one from each topic 9

Topic 1 – Environment:

BIOL 307; FOR 201; GEOG 104, 303I; GEOL 220, 221, 327I; PLB 220, 301I;
HORT 238, 238A; or ZOOL 312I.

Topic 2 – Society:

ANTH 304, 310K; CP 361; GEOG 100, 320, 429; HED 488; HIST 457; MGMT 474;
PHIL 307I, or 375.

Topic 3 – Skills:

ARC 314I; FOR 420; GEOG 310I; JRNL 301, 396; KIN 416; MKTG 304; RTD 463;
AGRI/REC/FOR 401; SPCM 412; TRM 440, or 451.

Final Unifying Course 3
GEOG 470

Total Hours **15**

Fashion Design and Merchandising

(Fashion Design)
School of Architecture
College of Applied Sciences and Arts
(Bachelor of Science)

Dr. Walter Wendler, Director
School of Architecture
410 Quigley Hall
Telephone: (618) 453-3734 / E-mail: wendler@siu.edu
<http://architecture.siu.edu>

Dr. Seung-Hee Lee, Program Director
311 Quigley Hall
Telephone: (618) 453-1981 / E-mail: shlee@siu.edu

The B.S. degree program in Fashion Design and Merchandising with a specialization in fashion design meets the objectives of students preparing for design occupations either in an industrial setting or in a custom shop. Many careers in design-related businesses are also available to the graduates of this program. The variety of courses offered provides students with opportunities to develop individual skills and competencies.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FDM 101, 102	Careers in Fashion <i>and</i> Basic Principles of Clothing Design	3	3
_____ FDM 111, 112	Fashion Production I <i>and</i> II	3	3
_____ AD 110	Introduction to Drawing I	3	—
_____ FDM 121	Fashion Illustration	—	3
_____ ENGL 101,102	Composition I <i>and</i> II	3	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ FDM 172	Visual Communication in FDM	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ FDM 211, 252	Fashion Production III and Draping	3	3
_____ FDM 251, 272	Flat Patternmaking & Drafting <i>and</i> Computer Aided Apparel Design	3	3
_____ FDM 241, 242	Textiles I and Textiles II	3	3
_____ FDM 281, Select	Fashion Promotional Strategies I, Core Curriculum MATH	3	3
_____ Select	FDM History Elective	3	—
_____ SPCM 101	Speech Communications	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	FDM History Elective.....	3	—
_____ FDM 351, 352	Advanced Patternmaking <i>and</i> Experimental Custom Apparel Design.....	3	3
_____ FDM 441	Fashion Product Analysis	—	3
_____ Select	University Core Curriculum, select AD 207A,B, or C	3	3
_____ Select	University Core Curriculum	2	3
_____ Select	University Core Curriculum, UCC Science	3	3
		14	15
<i>Fourth Year</i>		Fall	Spring
_____ FDM 451, 452	Senior Fashion Design Studio I and II	3	3
_____ FDM 231, 462	Fashion Forecasting and Trend Analysis <i>and</i> Fashion Motivation	3	3
_____ FDM 442	Apparel and Textile Economics	—	3
_____ Select	Professional Electives	4	6
_____ Select	University Core Curriculum	3	—
_____ Select	Art and Design Elective	3	—
		16	15

If not completed at the junior-college level, FDM 111 (Fashion Production I) must be taken during the first semester transfer students are at SIU Carbondale. Courses taken during the last two years will include the professional fashion design courses in the department and professional electives.

Fashion Design as a Specialization

This specialization is intended for students interested in professional preparation in fashion design or allied design positions in either industrial or commercial fashion businesses. The courses available to students cover textile information, fashion design, and skills required for developing original designs into patterns and completed garments. Courses in fashion design and merchandising are complemented by courses in art, business, and other areas that will provide a suitable background for various career opportunities.

Representative First Job Titles

Consumer market analyst, consumer relations officer, fashion designer, fashion coordinator, pattern designer, tailor, clothing economist, fashion merchandising expert, advertising assistant, retail store manager, cost analyst, customer services specialist, sales agent, purchasing manager, textile selector, textile laboratory assistant, customer relations specialist, pattern maker, manufacturer's representative.

Fashion Design and Merchandising

(Fashion Merchandising)
School of Architecture
College of Applied Sciences and Arts
(Bachelor of Science)

Dr. Seung-Hee Lee, Program Director
School of Architecture
311 Quigley Hall
Telephone: (618) 453-3374
E-mail: shlee@siu.edu
<http://architecture.siu.edu/>

The B.S. degree program in Fashion Design and Merchandising with a specialization in fashion merchandising meets the objectives of students preparing for careers in retail stores as buyers or department managers or in personnel, training, inventory control, and security. Professional and free elective hours make it possible for students to choose the courses that support their career goals.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FDM 101	Careers in Fashion	3	—
_____ FDM 102	Basic Principles of Clothing Design	3	—
_____ FDM 172	Visual Communication in FDM	—	3
_____ ENGL 101,102	Composition I <i>and</i> II	3	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Core Curriculum MATH	—	3
_____ Select	University Core Curriculum	3	6
		15	15
<i>Second Year</i>		Fall	Spring
_____ FDM 241, 242	Textiles I <i>and</i> Textiles II	3	3
_____ FDM 281, 282	Fashion Promotional Strategies I, Fashion Event Planning	3	3
_____ SPCM 101	Speech Communication	—	3
_____ Select	University Core Curriculum	2	3
_____ Select	University Core Curriculum	3	—
_____ Select	Professional Electives	4	—
_____ ACCT 220	Accounting I	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ FDM 381, 482	Fashion Merchandising Mathematics I, Fashion Merchandising	3	3
_____ Select, FDM 441	FDM History Elective <i>and</i> Fashion Product Analysis	3	3
_____ FDM 392	Field Study	—	3
_____ MKTG 304, MKTG 363	Marketing Management <i>and</i> Strategic Promotion and Brand Management	3	3
_____ MGMT 304	Introduction to Management	3	—
_____ Select	University Core Curriculum <i>and</i> Professional Elective	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ FDM 462	Fashion Motivation	—	3
_____ FDM 491, 496	Personnel Issues in Fashion Retailing <i>and</i> Professional Internship	3	3
_____ FDM 442	Apparel and Textile Economics	—	3
_____ MKTG 401, Select	Retail Management <i>and</i> Marketing Elective	3	3
_____ PSYC 323	Psychology of Employee Relations	3	—
_____ Select	University Core Curriculum	3	3
_____ Select	Marketing Elective	3	—
		15	15

Courses during the last two years will include additional work in marketing, management, and related business courses; core, elective, and professional courses in Fashion Design and Merchandising; and elective hours. The fashion-merchandising student should have some experience in a sales position before the junior year.

Representative First Job Titles

Consumer market analyst, consumer relations officer, fashion coordinator, fashion merchandising expert, advertising assistant, retail store manager, cost analyst, customer services specialist, sales agent, purchasing manager, textile selector, textile laboratory assistant, customer relations specialist, manufacturer's representative.

Fashion Design and Merchandising

(Fashion Styling)
School of Architecture
College of Applied Sciences and Arts
(Bachelor of Science)

Dr. Walter Wendler, Director
School of Architecture
410 Quigley Hall
Telephone: (618) 453-3374 / E-mail: wendler@siu.edu
<http://architecture.siu.edu>

Dr. Seung-Hee Lee, Program Director
311 Quigley Hall
Telephone: (618) 453-1981 / E-mail: shlee@siu.edu

The B.S. degree program in Fashion Design and Merchandising with a specialization in fashion styling meets the objectives of students preparing for careers as a fashion stylist, for example, in commercial styling (catalogs or advertisements) or editorial styling (magazines). A stylist is responsible for choosing props to communicate a fashion idea, trend or theme. Professional elective hours make it possible for students to choose the courses that support their career goals.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	3
_____ AD 110	Introduction to Drawing I	3	—
_____ FDM 101, 172	Careers in Fashion <i>and</i> Visual Communication in FDM	3	3
_____ FDM 102	Basic Principles of Clothing Design	3	—
_____ ENGL 101,102	Composition I <i>and</i> II	3	3
_____ SPCM 101	Speech Communication	—	3
_____ Select	Core Curriculum MATH	—	3
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ FDM 281, 282	Fashion Promotional Strategies I <i>and</i> Fashion Event Planning	3	3
_____ Select	UCC AD 207A, B, or C.....	—	3
_____ FDM 241, 242	Textiles I <i>and</i> Textiles II	3	3
_____ FDM 121	Fashion Illustration	3	—
_____ FDM 231	Fashion Forecasting and Trend Analysis	3	—
_____ Select	University Core Curriculum	—	3
_____ Select	University Core Curriculum	3	2
		<u>15</u>	<u>14</u>
<i>Third Year</i>		Fall	Spring
_____ Select, FDM 441	FDM History Elective <i>and</i> Fashion Product Analysis	3	3
_____ Select	University Core Curriculum	3	3
_____ Select	Professional Elective	3	3
_____ Select	University Core Curriculum	3	—
_____ FDM 462	Fashion Motivation	—	3
_____ Select	Professional Elective	3	3
		<u>15</u>	<u>15</u>
<i>Fourth Year</i>		Fall	Spring
_____ Select, FDM 232	FDM History Elective <i>and</i> Client-Based Wardrobe Planning	3	3
_____ Select	Professional Elective	3	3
_____ Select	UCC AD 207A, B, or C.....	3	—
_____ Select	University Core Curriculum	3	3
_____ Select	Professional Elective	4	3
_____ Select	Professional Elective	—	3
		<u>16</u>	<u>15</u>

Fashion Stylist Specialization

This specialization offers flexibility for students. In addition to a 4-year option, there is a 3-year option for students with a cosmetology license and a 1+1+2 option for students with a cosmetology license plus an associate's degree.

Representative First Job Titles

Commercial stylist, editorial stylist, wardrobe consultant, personal shopper, fashion event planner.

Finance

(Financial Management Option)
(Financial Institutions Option)
(Financial Investments Option)
College of Business
(Bachelor of Science)

Dr. Mark A. Peterson, Chairperson
Department of Finance
134A Henry J. Rehn Hall
Telephone: (618) 453-2459
<http://www.business.siu.edu/academics/dept/finance/>

Finance is the acquisition, management, and financing of resources, with due regard to market prices, for firms and individuals. Within a firm, financial considerations drive the central decisions about research, engineering, production, and marketing. In governmental activities, sophisticated financial techniques are becoming increasingly important. The financial executive plays a key role in the successful management of both business and governmental operations.

The B.S. degree program in finance with a *financial management* option meets the objectives of students planning careers in the financial operations of business firms and public institutions. The degree program with a *financial institutions* option meets the needs of those planning careers related to financial intermediaries and financial markets. The *financial investments* option is designed for those interested in Security Analysis and Portfolio Management. Certain courses may require the purchase of additional materials.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry for Business	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	UCC Science	3	3
_____ Select	UCC Fine Arts and UCC Human Health	3	2
_____ PSYC 102/SOC 108	Introduction to Psychology or Introduction to Sociology	—	3
_____ MATH 108, 140	College Algebra or Approved Elective and Short Course in Calculus.....	3	4
		15	15
<i>Second Year</i>		Fall	Spring
_____ ACCT 220, 230	Financial Accounting and Managerial Accounting	3	3
_____ ECON 241, 240	Introduction to Macro- and Micro-economics	3	3
_____ ACCT/MGMT 208	Business Data Analysis	—	3
_____ ENGL 291	Intermediate Technical Writing	3	—
_____ Select	UCC Humanities	—	3
_____ SPCM 101, FIN 270	Intro to Oral Communication and The Legal and Social Environment ²	3	3
_____ MATH 139	Finite Mathematics	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select, MGMT 304	UCC Humanities and Introduction to Management.....	3	3
_____ FIN 330, 331	Introduction to Finance and Investments	3	3
_____ FIN 341, 361	Financial Markets and Management of Business Finance	—	6
_____ MKTG 304, BUS 302	Marketing Management and Business Career Transitions	3	2
_____ Select	UCC Integrative Studies and Approved Elective ¹	3	2
_____ ACCT 321/331/Select	Intermediate Accounting I or Cost Accounting	3	—
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ MGMT 318	Production-Operations Management	3	—
_____ MGMT 481	Administrative Policy.....	—	3
_____ FIN ³	Major option or specialization	9	6
_____ Select	Approved electives ¹	—	2
_____ MGMT 345	Management Information System.....	3	—
_____ Select	300-400 CoB Elective.....	—	3
		15	14

¹ 120 semester hours are required for graduation. Approved electives should be selected in consultation with academic advisor to meet this requirement.

² The combination of FIN 280 (Bus Law I) and FIN 380 (Bus Law II) may be substituted for FIN 270 and is highly recommended for Accounting majors.

³ Major option or major specialization.

Finance as a Major

Finance majors must earn a minimum grade of C in each of the courses taken to satisfy the requirements for the Finance major **AND** earn a minimum 2.0 GPA for those major courses.

It is strongly recommended that the courses listed above for the first two years be completed before the junior year. Many of these courses are prerequisites to later requirements. The department is accredited by the Association to Advance Collegiate Schools of Business International.

See College of Business for a description of the 50 percent rule.

No minor required. No foreign language required.

Graduate degrees available: Master of Business Administration (M.B.A.), Master of Accountancy (M.Acc.), and Doctor of Philosophy in Business Administration (Ph.D.).

Representative First Job Titles

Internal auditor, finance administrator, financial analyst, trust administrator, wage-salary administrator, systems analyst, inventory controller, credit analyst, investment analyst, operations research analyst, budget administrator, consumer researcher, controller, credit manager, finance officer, financial management intern, bursar assistant (college), grant coordinator (college), assistant fiscal officer, assistant to the paymaster, payroll and assignment supervisor, assistant to the director of finance, head cashier, financial planning agent, loan administrator.

Fire Service Management

College of Applied Sciences and Arts
(Bachelor of Science)

<http://asa.siu.edu/academics/off-campus-programs/programs/fsm.html>

The Bachelor of Science in Fire Service Management currently is offered only at off-campus locations and provides those with a fire science-related technical background with a two-year, upper division program of study that enhances the successful graduate's pursuit of a career in the fire service industry. The program is designed to provide practical course work in areas of management and supervision for fire service professionals. Admission to the program requires prior completion of a fire science-related Associate of Applied Science (AAS) degree or prior formal training equivalent to a fire science related AAS or prior fire science-related licensure or certification, or prior employment in a fire science-related field.

The Capstone Option is available for eligible students who meet the Capstone criteria outlined in Chapter 3. Those seeking the Capstone Option must complete the application and must meet all eligibility criteria, including the fire science-related AAS degree with a 2.25 GPA or better, no later than the end of their first semester in the bachelor's degree program.

The Bachelor of Science in Fire Service Management is an ideal program of study for fire service professionals who have a prior, fire service-related AAS or its equivalent or who have extensive work experience in the fire service industry. Successful graduates are prepared for career enhancing opportunities that include fire service related management and supervisory positions, the insurance industry, the fire equipment manufacturing industry and other related fields.

The Fire Service Management program has signed articulation agreements with numerous colleges. Check with the office of Fire Service Management Programs for a current list. These agreements take advantage of the Capstone Option discussed in Chapter 3 of the Undergraduate Catalog which can be found at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

For additional information about this major, contact the College of Applied Sciences and Arts, Office of Fire Service Management Programs at (618) 453-7277 or visit our homepage: <http://asa.siu.edu/academics/off-campus-programs/programs/fsm.html>.

Fire Science Management Major (off-campus only)

University Core Curriculum	30-41
Capstone Core Curriculum requirements	30
Requirements for major in Fire Service Management	48
Core requirements: Fire Service Management 332, 360, 387, 388, 398, 423, and 425	21
Fifteen hours from Fire Service Management 383, 390, 305, 421, and Technical Resource Management 316.....	15
Twelve hours selected from Fire Service Management 301, 319, 350 401, and 450	12
Approved Career Electives (formal course work or its equivalent that is Fire Service-related and technical, managerial or supervisory in Nature).....	31-42
Total Hours	120

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>Third Year</i>		Fall	Spring
_____FSM 332, 383	Labor-Management Relations <i>and</i> Data Interpretation	3	3
_____FSM 360, 387	Human Resource Management <i>and</i> Fiscal Aspects of Fire Service	3	3
_____TRM 316, FSM 350	Applications of Technical Information <i>and</i> Readings in Fire Service Management	3	3
_____FSM 301, 388	Introduction to Fire Service Management Research <i>and</i> Legal Aspects of Fire Service Management.....	3	3
		12	12

<i>Fourth Year</i>		Fall	Spring
_____FSM 390, 423	Governmental Aspects of the Fire Service <i>and</i> Master Planning for Community Fire Protection.....	3	3
_____FSM 398, 421	Risk Management in the Fire Service <i>and</i> Professional Development	3	3
_____FSM 305, 425	Developing a Personal Philosophy of Leadership <i>and</i> Fire Service Management... ..	3	3
_____FSM 319/401, 450	Occupational Internship or Analysis of Trends in the Fire Service Industry and Management Problems in the Fire Service Industry	3	3
		12	12

Foreign Language and International Trade

College of Liberal Arts
(Bachelor of Arts)

Dr. Anne Winston-Allen, Director
2039 Faner Hall
Telephone: (618) 536-5571
<http://flit.siu.edu/>

The B.A. degree program in foreign language and international trade meets the objectives of students considering careers in the world of international business.

The foreign language and international trade degree program combines courses from the College of Liberal Arts and the College of Business. It consists of 39 semester hours of business-related courses and approximately the same number of credit hours in one of these foreign languages: Chinese, French, German, Japanese, or Spanish. An internship late in the program gives students the opportunity to travel and work in an international company or agency.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	100-level Foreign Language.....	4	4
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108, 139	College Algebra <i>and</i> Finite Mathematics	3	3
_____ UCOL 101, PSYC 102	Foundations of Inquiry <i>and</i> Introduction to Psychology.....	3	3
_____ SPCM 101, Select	Intro to Oral Communication <i>and</i> Human Health ¹	3	2
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	200-level Foreign Language.....	4	4
_____ MGMT 202, 208	Business Communication <i>and</i> Business Data Analysis.....	3	3
_____ ACCT 220, 230	Accounting I <i>and</i> II	3	3
_____ CS 200B, Select	Introduction to Computing <i>and</i> Humanities ¹	3	3
_____ ECON 240, 241	Intro to Microeconomics <i>and</i> Intro to Macroeconomics.....	3	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	300-level Foreign Language.....	3-4	6-7
_____ FL 301I, FIN 330	Cross-Cultural Orientation <i>and</i> Intro to Finance	3	3
_____ MGMT 304, MKTG 304	Intro to Management <i>and</i> Marketing Management	3	3
_____ Select	Science ¹	3	3
_____ MATH 140	Short Course in Calculus	4	—
		16-17	15-16
<i>Fourth Year</i>		Fall	Spring
_____ Select	Foreign language.....	3	3
_____ Select	Foreign language <i>or</i> elective ²	1-2	—
_____ MGMT 345, MKTG 435	Computer Information Systems <i>and</i> International Marketing.....	3	3
_____ ECON 329, Select	Intro to International Economics and Fine Arts ¹	3	3
_____ ECON 302I, FL 495 ³	History and Philosophy of the World's Economic Systems <i>and</i> Internship ³	3	3
		13-14	12

¹ See University Core Curriculum.

² Elective only if foreign language section does not require this course.

³ Although a significant amount of work for FL 495 (Internship) takes place in the previous semester, students usually go on their internship the summer before or after the senior year.

Foreign Language and International Trade as a Major

The degree program in foreign language and international trade provides its graduates the best available training for entry into the international business community. Students take courses that give them background in the business world and in the culture, religion, philosophy, politics, history, and geography of the country where the language they are studying is spoken.

No grade lower than C will be accepted for any course required by the major. A 2.75 GPA is a pre-requisite to MGMT 345, FL 495, and graduation.

Besides the major courses, the student must complete all other University Core Curriculum, college, and University requirements.

Representative First Job Titles

Market researcher, administrator of state, international, federal, and local government offices, professional in areas including taxes, logistics, banking, insurance, contracts and sales.

Foreign Languages (Teaching)
(French, German Studies, Spanish)
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
122 Wham Building
Telephone: (618) 453-6340
edadvise@siu.edu

Dr. Anne Winston-Allen, Chair
Foreign Languages and Literatures
2166 Faner Hall
Telephone: (618) 536-5771
<http://languages.siu.edu>

See also: French, German Studies, and Spanish

The great importance of proficiency in other languages is being recognized by a growing number of leaders in education, government, and business. Peaceful and productive international relations, and success in business, industry, and foreign trade, depend on the mutual understanding and communication made possible by the knowledge of one or more languages besides our own.

The B.S. degree program in foreign languages with a teaching specialization meets the objectives of students preparing for teaching, graduate study, or other positions requiring the ability to speak, read, understand, and interpret foreign languages. Students must complete the Professional Education sequence to qualify for a Teaching Certificate. The federal government provides opportunities for individuals with such skill.

Major concentrations leading to the degree are offered in French, German Studies, and Spanish.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ Select	Social Science <i>and</i> Fine Arts ^{1,2}	3	3
_____ EDUC 311	Diversity, Culture & Education in a Pluralistic Society	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ Select	Mathematics ^{1,2}	3	—
_____ HED 101/KIN 101	Foundations of Human Health <i>or</i> Current Concepts of Physical Fitness.....	—	2
_____ Select FL	Elementary French, German, <i>or</i> Spanish ³	4	4
_____ UCOL 101	Foundations of Inquiry	3	—
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Science ^{1,2}	3	3
_____ Select	Approved course in non-Western <i>or</i> Third World culture ⁴	3	—
_____ EDUC 314	Human Growth, Development, and Learning.....	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ FL	Intermediate French, German, <i>or</i> Spanish ³	4	4
_____ Select	Electives ^{1,2}	3	6
		16	16

¹ See University Core Curriculum.

² Teacher certification/University Core Curriculum to include ENGL 101, 102; SPCM 101; MATH 110 or 101; PHYS 101, GEOL 110 or CHEM 106; PLB 115, 117, or ZOOL 115; or HIST 101A or FL 102, AD 101, HIST 201, MUS 103 or THEA 101; ENGL 121 or 204; AD 227, ANTH 202, ENGL 205, HIST 202, 210, LING 201, PHIL 210, 211, or SOC 215; POLS 114; HIST 110; HED 101 or KIN 101.

³ Three hours of the foreign language major will substitute for three credit hours of humanities.

⁴ Refer to SIU Carbondale Transfer Credit Articulation

Foreign Language as a Major

To become a teacher of a foreign language at the K-12 level involves not just a thorough knowledge of the language itself but also professional courses in education, culminating in a semester of student teaching. Upon graduation, students will have met the University's requirements for teacher certification in Illinois. Foreign language education majors are fully accredited by the National Council for Accreditation of Teacher Education and the Illinois State Board of Education.

Students interested in majoring in any of the offered languages should be aware of the requirements for entrance into the teacher education program.

Minors are available in Chinese, Greek, Latin, East Asian Civilizations, Japanese, Classical Civilization, French, German and Spanish.

Many graduates with foreign language skills can find interesting opportunities with private industry, foreign news bureaus, airlines, and travel agencies. University and research institute libraries and social work agencies offer varied work situations for people with foreign language facility.

Graduate degrees are available.

Forestry

(Forest Hydrology Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jim Zaczek, Chair
184 Agriculture Building
Telephone: (618) 453-3341
<http://www.forestry.siu.edu>

Forest Hydrology provides hands-on field training and classroom instruction which integrates natural resource management in a watershed context with an emphasis on freshwater and forest resources. Specialized course work includes Watershed Management, Watershed Management Field Laboratory, Forest Hydrology, and Forest Soils, in addition to the core forest management and recreation courses. Water resource electives from a variety of departments across campus can also be taken. A few examples are Plant and Soil Science, Geology, Zoology, Geography, and Civil Engineering.

Students also have the option of selecting a course track that will qualify them for employment as a hydrologist in a federal agency.

The SIU Carbondale undergraduate Forestry curriculum is accredited by the Society of American Foresters [5400 Grosvenor Lane, Bethesda, MD 20814-2198; (301) 897-8720] and all specializations lead to a Bachelor of Science degree in Forestry.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FOR 100	Introduction to Forestry.....	1	—
_____ MATH 108,109 or 141	Select College Algebra, <i>or</i> Trig and Analytical Geometry <i>or</i> Calculus	—	3-4
_____ FOR 202, CHEM 140A	Tree Identification Lab <i>and</i> Chemistry	3	4
_____ ENGL 101	English Comp I.....	3	—
_____ Select/UCOL 101	FOR elective <i>or</i> Foundations of Inquiry (FR or TR with < 26 hours).....	3	—
_____ SPCM 101	Introduction to Oral Communications	—	3
_____ ENGL 102	English Comp II	—	3
_____ BIOL 200B/PLB 200/ ZOO 118	Organismal and Ecological Biology <i>or</i> General Plant Biology ² <i>or</i> Principles of Animal Biology.....	4	—
		14	13-14
<i>Second Year</i>		Fall	Spring
_____ FOR 201	Ecology of North American Forests.....	3	—
_____ FOR 285	Social Influences on Forestry	3	—
_____ CSEM 240	Soil Science	4	—
_____ UCC	Select Human Health <i>and</i> Fine Arts Elective ¹	2	3
_____ ENGL 290/291	Analytical <i>or</i> Technical Writing Course.....	3	—
_____ Select	Forestry Elective	—	3
_____ FOR 331	Forest Ecosystems.....	—	3
_____ UCC	Select Humanities ¹	—	3
_____ ECON 240/ABE 204	Introduction to Microeconomics <i>or</i> Intro to Agriculture Economics.....	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ FOR 325	Forest Policy	3	—
_____ FOR 351	Forest Measurements	4	—
_____ Select	Forestry Elective	2	—
_____ UCC	Select Social Science Elective ¹ <i>and</i> Humanities Elective ¹	3	3
_____ Select	Forestry Elective and GIS Course.....	3	3
_____ FOR 310	Silviculture	—	4
_____ FOR 314	Forest Health.....	—	3
_____ FOR 452	Forest Soils	—	2
		15	15
<i>Summer Camp Requirement – Typically Summer Semester between Third and Fourth Year</i>		Summer	Summer
_____ FOR 310C	Silviculture Field Study.....	1	—
_____ FOR 351C	Resource Management Field Study	2	—
_____ FOR 314C	Forest Protection Field Study.....	2	—
_____ FOR 360C	Forest Industries Field Study.....	1	—
or			
_____ FOR 422C	Park & Wildlands Management Field Study.....	—	6
		6	6
<i>Fourth Year</i>		Fall	Spring
_____ FOR 411	Forest Resources Economics	3	—
_____ FOR 416/420	Forest Resource Management <i>or</i> Park Management.....	3-4	—
_____ FOR 429	Watershed Management Lab	2	—
_____ FOR 430	Wildland Watershed Management.....	3	—
_____ FOR 381	Forestry Seminar	—	1
_____ FOR 402	Wildland Hydrology	—	3
_____ FOR 421	Recreation Land-Use Planning	—	3
_____ Select	Forestry Electives.....	3	4
_____ UCC	Select Multicultural Diversity ¹	—	3
		14-15	14

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

Forest Hydrology as a Major

Located within ten miles of the SIU Carbondale campus are a national wildlife refuge, two state parks, four recreational lakes, and a national forest. The 270,000 acre Shawnee National Forest, in particular, provides students with a wealth of hands-on experiences in a natural setting.

SIU Carbondale maintains laboratory facilities in water quality and soil fertility that provide students with opportunities for undergraduate research and training. The local communities also contain a mosaic of forested and agricultural watersheds that are utilized in a variety of unique research applications involving undergraduate student support.

Transferring Students

Students transferring to SIU Carbondale should strive to complete BIOL 200B or PLB 200 or ZOOL 118, and MATH 108, 109 or 141 before coming to SIU Carbondale. These courses are prerequisites to forestry courses and must be taken in the first two years to avoid delays in graduation.

Students are strongly encouraged to call or visit the Department of Forestry to discuss courses that will prepare them for the course of study in forestry. This should be done before their first year at a community college.

Representative First Job Titles

Career opportunities are excellent for B.S. graduates trained in forestry. A Forestry major will allow you to combine your interest in natural resources with your desire for an exciting and rewarding career. Those graduates specializing in Forest Hydrology are prepared to: work as a hydrologist, water quality specialist, or soil and water conservationist in a federal or state agency; work for a private consulting firm in the areas of hydrology, water quality, watershed management or wetland science; work for a NGO such as the Nature Conservancy or Prairie Rivers Network in watershed management hydrology, and/or water quality; pursue graduate studies in hydrology, watershed management and soil science. NOTE: In order to qualify for federal employment as a hydrologist, graduates must complete 6 credit hours of calculus and 6 credit hours of physics. Students should discuss this goal with their academic advisor.

Forestry

(Forest Resources Management Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jim Zaczek, Chair
184 Agriculture Building
Telephone: (618) 453-3341
<http://www.forestry.siu.edu>

The B.S. degree program with a specialization in forest resources management meets the objectives of students considering careers in forest management and production, multiple-use resource management, and the forest products industries.

The goal of the specialization is to develop individuals with sufficient understanding of the physical, biological, and economic considerations required to make sound management decisions for sustainable multiple uses of forest resources. Integrated management of natural and renewable resources, coordination of forest use methods and conservation practices, and conservation of the wildlands heritage are emphasized. A four-week session (field study) is required after the junior year to give the student practical field experience.

The specialization is accredited by the Society of American Foresters (5400 Grosvenor Lane, Bethesda MD 20814-2198; 301 897-8720).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FOR 202	Tree Identification Lab	3	—
_____ SPCM 101	Introduction to Oral Communications	—	3
_____ UCC	Select Humanities ¹	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ BIOL 200B/PLB 200/ ZOO 118	Select Organismal and Ecological Biology or General Plant Biology ² or Principles of Animal Biology ² and Forestry Elective	4	2
_____ FOR 100	Introduction to Forestry	1	—
_____ MATH 108/110	College Algebra or Non-technical Calculus	—	3
_____ Select/UCOL 101	Forestry Elective or UCOL 101 (FR or TR with <26 hours)	3	—
		14	14
<i>Second Year</i>		Fall	Spring
_____ FOR 201, 331	Ecology of North American Forests and Forest Ecosystems	3	3
_____ FOR 285	Social Influences	3	—
_____ ECON 240/ABE 204	Select Introduction to Micro Economics or Introduction to Agriculture Economics	—	3
_____ ENGL 290/291	Select Analytical or Technical Writing Course	3	—
_____ UCC	Select Social Science ¹	—	3
_____ CHEM 140A, CSEM 240	Inorganic Chemistry and Soil Science	4	4
_____ Select	Forestry Electives	2	2
		15	15
<i>Third Year</i>		Fall	Spring
_____ FOR 310	Silviculture	—	4
_____ FOR 314	Forest Health	—	3
_____ FOR 315	Fire Management	—	3
_____ FOR 351	Forest Measurements	4	—
_____ FOR 325	Forest Policy	3	—
_____ Select	Forestry Elective and GIS course	2	3
_____ UCC	Human Health ¹	2	—
_____ Select	UCC Multicultural Diversity	3	—
		14	13
<i>Summer Camp Requirement – Typically Summer Semester Between Third and Fourth Year</i>		Summer	
_____ FOR 310C	Silviculture Field Studies	1	
_____ FOR 314C	Forest and Wildlands Recreation Field Studies	2	
_____ FOR 351C	Forest Resources Measurements	2	
_____ FOR 360C	Forest Industries	1	
		6	
<i>Fourth Year</i>		Fall	Spring
_____ UCC	Select Fine Arts ¹ and UCC Humanities ¹	3	3
_____ FOR 381	Senior Seminar	—	1
_____ FOR 411	Forest Economics	3	—
_____ FOR 416	Forest Management	4	—
_____ Select	Forestry Electives	2	10
_____ FOR 430	Watershed Management	3	—
		15	14

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

Forestry as a Major

Available to the Department of Forestry for teaching and research are the Crab Orchard National Wildlife Refuge, the Shawnee National Forest, the Union State Forest and Tree Nursery, and many state parks and conservation areas, comprising several hundred thousand acres of forest land in the vicinity of the University.

Internships are not required for forestry students but are strongly recommended. Internships are an excellent opportunity for students to learn more about careers in forestry and receive on-the-job experience. Announcements for internship opportunities are available in the forestry department and in Student Services in the College of Agricultural Sciences.

Transferring Students

Students transferring to SIU Carbondale should strive to complete BIOL 200B or PLB 200 or ZOOL 118, CHEM 140A, and MATH 108 or 110 before coming to SIU Carbondale. These courses are prerequisites to forestry courses and must be taken in the first two years to avoid delays in graduation.

Students are strongly encouraged to call or visit the Department of Forestry to discuss courses that will prepare them for the course of study in forestry. This should be done before their first year at a community college.

Representative First Job Titles

Forest engineer, silviculture specialist, forest manager, watershed manager, wildlife manager, forest products technologist, plant ecologist, pollution control specialist, forest conservation specialist, public and environmental health forester, consulting forester, grazing lands supervisor, research forester, forest extension worker, timber manager, soil conservationist, forest resources manager, and vegetation manager.

Forestry

(Forest Recreation and Park Management Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jim Zaczek, Chair
184 Agriculture Building
Telephone: (618) 453-3341
<http://www.forestry.siu.edu>

The B.S. degree program with a specialization in outdoor recreation resources management meets the objectives of students seeking careers in managing and administering wildlands for outdoor recreation and park uses in a variety of agencies that operate in diverse geographic and natural settings.

The National Recreation and Park Association and the Society of American Foresters are among those who recommend the following courses. The specialization is accredited by the Society of American Foresters (5400 Grosvenor Lane, Bethesda MD 20814-2198; 301 897-8720).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ SPCM 101	Introduction to Oral Communication.....	—	3
_____ FOR 202, 220	Tree ID Lab <i>and</i> Introduction to Forest Recreation	3	2
_____ UCC	Select Social Science ¹	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ FOR 100	Introduction to Forestry.....	1	—
_____ MATH 110/108	Nontechnical Calculus <i>or</i> College Algebra	—	3
_____ BIOL 200B/PLB 200/ ZOO 118	Organismal and Ecological Biology <i>or</i> General Plant Biology ² <i>or</i> Principles of Animal Biology ²	4	—
_____ Select/UCOL 101	Forestry Elective <i>or</i> Foundations of Inquiry (FR <i>or</i> TR with < 26 hours)	3	—
		14	14
<i>Second Year</i>		Fall	Spring
_____ ENGL 290/291	Analytical <i>or</i> Technical Writing Course.....	—	3
_____ HORT 328A,B	Landscape Design <i>and</i> Lab.....	4	—
_____ FOR 201	Ecology of North American Forests.....	3	—
_____ FOR 285	Social Influences.....	3	—
_____ FOR 331	Forest Ecosystems.....	—	3
_____ UCC	Select Multicultural Diversity ¹	—	3
_____ ECON 240/ABE 204	Intro to Microeconomics <i>or</i> Intro to Agricultural Economics.....	—	3
_____ CSEM 240	Soil Science	—	4
_____ CHEM 140A	Inorganic Chemistry ²	4	—
		14	16
<i>Third Year</i>		Fall	Spring
_____ Select	Forestry Electives.....	3	3
_____ FOR 310	Silviculture	—	4
_____ Select	GIS Course.....	—	3
_____ FOR 314	Forest Health.....	—	3
_____ FOR 351	Forest Measurements	4	—
_____ FOR 325	Forest Policy	3	—
_____ UCC	Select Humanities ¹	3	—
_____ UCC	Select Human Health ¹	2	—
		15	13
<i>Summer Camp Requirement – Typically Summer Semester Between Third and Fourth Year</i>			
_____ FOR 422C	Park and Wildlands Management Field Study	6	—
		6	
<i>Fourth Year</i>		Fall	Spring
_____ FOR 381	Senior Seminar.....	—	1
_____ FOR 411	Forest Economics.....	3	—
_____ FOR 420	Park Management.....	3	—
_____ FOR 421	Park Planning.....	—	3
_____ FOR 423	Environmental Interpretation.....	—	3
_____ FOR 430	Watershed Management.....	3	—
_____ Select	Forestry Electives.....	3	3
_____ UCC	Select Fine Arts ¹ <i>and</i> Humanities ¹	3	3
		17	13

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

Forestry as a Major

Available to the Department of Forestry for teaching and research are the Crab Orchard National Wildlife Refuge, the Shawnee National Forest, the Union State Tree Nursery and Forest, and many state parks and conservation areas, comprising several hundred thousand acres of forest land, in the vicinity of the University.

Internships are not required for forestry students but are strongly recommended. Internships are an excellent opportunity for students to learn more about careers in forestry and receive on-the-job experience. Announcements for internship opportunities are available in the forestry department and in Student Services in the College of Agricultural Sciences.

Transferring Students

Students transferring to SIU Carbondale should strive to complete BIOL 200B or PLB 200 or ZOOL 118, CHEM 140A, and MATH 108 or 110 before coming to SIU Carbondale. These courses are prerequisites to forestry courses and must be taken in the first two years to avoid delays in graduation.

Prospective students are strongly encouraged to call or visit the Department of Forestry to discuss courses that will prepare them for the course of study in forestry. This should be done before their first year at a community college.

Representative First Job Titles

Recreational resource planner, conservation officer, game warden, forest recreation specialist, range manager, watershed manager, wildlife manager, environmental educator, pollution control specialist, public and environmental health forester, parks supervisor, research forester, forest extension worker, park ranger, forest resources manager, park naturalist, environmental interpreter, heritage and natural resource interpreter, eco- tourism specialist.

Forestry

(Urban Forest Management Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jim Zaczek, Chair
184 Agriculture Building
Telephone: (618) 453-3341
<http://www.forestry.siu.edu>

Urban Forest Management emphasizes coursework and skills necessary for dealing with trees stressed by the urban environment. Included in the program are courses in tree identification, forest ecology and ecosystems, forest social science, forest measurements, and forest resource management. Also included is coursework from a variety of biological and social science departments: plant pathology, landscape design, landscape plant materials and management, state of local government, and small business management.

The SIU Carbondale undergraduate Forestry curriculum is accredited by the Society of American Foresters [5400 Grosvenor Lane, Bethesda, MD 20814-2198; (301) 897-8720] and all specializations lead to a Bachelor of Science degree in Forestry.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FOR 100	Introduction to Forestry.....	1	—
_____ MATH 108/110	College Algebra <i>or</i> Non-Technical Calculus	—	3
_____ ENGL 101, 102	English Comp I <i>and</i> II	3	3
_____ UCC	Select Humanities and Social Science ¹	—	6
_____ Select	Forestry Elective	—	2
_____ FOR 202	Tree Identification Lab	3	—
_____ Select/UCOL 101	Forestry Elective <i>or</i> Foundations of Inquiry (FR or TR with < 26 hours)	3	—
_____ BIOL 200B/PLB 200/ ZOO 118	Organismal and Ecological Biology <i>or</i> General Plant Biology ² <i>or</i> Principles of Animal Biology ²	4	—
		14	14
<i>Second Year</i>		Fall	Spring
_____ FOR 201	Ecology of North American Forests.....	3	—
_____ FOR 285	Social Influences.....	3	—
_____ CHEM 140A	Inorganic Chemistry ²	4	—
_____ HORT 328A,B	Landscape Design and Lab.....	4	—
_____ ENGL 290/291	Analytical or Technical Writing Course.....	—	3
_____ CSEM 240	Soil Science	—	4
_____ FOR 331	Forest Ecosystems.....	—	3
_____ UCC	Select Human Health ¹	—	2
_____ ECON 240/ABE 204	Intro to Microeconomics <i>or</i> Economics of Food, Fiber, and Natural Resources.....	—	3
		14	15
<i>Third Year</i>		Fall	Spring
_____ FOR 325	Forest Policy	3	—
_____ FOR 351	Forest Measurements	4	—
_____ FOR 428	Urban Forestry	2	—
_____ UCC	Select Multicultural Diversity ¹	3	—
_____ FOR 310	Silviculture	—	4
_____ FOR 314	Forest Health.....	—	3
_____ Select	GIS Course.....	—	3-4
_____ Select	Forestry Elective	—	3
_____ UCC	Select Fine Arts Elective ¹	3	—
		15	13-14
<i>Summer Camp Requirement – Typically Summer Semester Between Third and Fourth Year</i>		Summer	Summer
_____ FOR 310C	Silviculture Field Study	1	—
_____ FOR 351C	Resource Management Field Study	2	—
_____ FOR 314C	Forest Protection Field Study.....	2	—
_____ FOR 360C	Forest Industries Field Study.....	1	—
OR			
_____ FOR 422C	Park & Wildlands Management Field Study.....	—	6
		6	6
<i>Fourth Year</i>		Fall	Spring
_____ FOR 411	Forest Resources Economics	3	—
_____ FOR 416/421	Forest Resource Management <i>or</i> Recreation Land-Use Planning (spring)	3-4	—
_____ FOR 430	Watershed Management.....	3	—
_____ Select	Forestry Electives.....	3	3
_____ FOR 381	Forestry Seminar	—	1
_____ UCC	Select Humanities ¹	—	3
_____ HORT 434	Landscape Management Operation	—	3
_____ SPCM 101	Speech Communication ¹	3	—
_____ Select	Forestry Elective(s)	—	4
		15-16	14

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

Urban Forest Management as a Major

Within ten miles of the SIUC campus are located one national wildlife refuge, two state parks, four recreational lakes, and a national forest. The 270,000 acre Shawnee National Forest, in particular, provides students with a wealth of hands-on experiences in a natural setting.

In addition, SIUC maintains a variety of lab and greenhouse facilities where students study soil and forest ecosystem processes.

All forestry students spend ample time in the field as part of their coursework. All students are required to participate in a summer field studies course. You will learn directly from forest management professionals and get a first hand look at the challenges and rewards of a career in Urban Forestry.

Transferring Students

Students transferring to SIUC should strive to complete BIOL 200B or PLB 200 or ZOOL 118, CHEM 140A, and MATH 108 or 110 before coming to SIUC. These courses are prerequisites to forestry courses and must be taken in the first two years to avoid delays in graduation.

Prospective students are strongly encouraged to call or visit the Department of Forestry to discuss courses that will prepare them for the course of study in forestry. This should be done before their first year at a community college.

Representative First Job Titles

Career opportunities are excellent for B.S. graduates trained in forestry. A Forestry major will allow you to combine your interest in natural resources with your desire for an exciting and rewarding career. Those Forestry graduates specializing in Urban Forest Management are prepared to work as: city arborist, village forester, manager in the tree care industry, private forestry consultant, or tree care contractor; or pursue graduate studies in forestry and natural resources.

Forestry

(Wildlife Habitat Management and Conservation Specialization)
College of Agricultural Sciences
(Bachelor of Science)

Dr. Jim Zaczek, Chair
184 Agriculture Building
Telephone: (618) 453-3341
<http://www.forestry.siu.edu>

Wildlife Habitat Management and Conservation helps students develop knowledge and skills in integrated natural resource management with an emphasis on habitat management for wildlife. Included in the program are courses in tree identification, forest ecology, ecosystems, forest health and natural resources management. Specialized course work in zoology, wildlife management and geography prepares students for wildlife, conservation and forestry-related careers.

This specialization includes areas of study recommended and accredited by the Society of American Foresters and includes the course work necessary to qualify as a Certified Associate Wildlife Biologist.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FOR 100	Introduction to Forestry.....	1	—
_____ ENGL 101, 102	English Comp I <i>and</i> II	3	3
_____ MATH 108, Select	College Algebra <i>and</i> Statistics (ABE 318/MATH 282).....	3	3
_____ BIOL 200A	Cellular and Molecular Biology	4	—
_____ Select/UCOL 101	Forestry Elective <i>or</i> Foundations of Inquiry (FR or TR with < 26 hours)	3	—
_____ UCC	Select Human Health ¹ <i>and</i> Social Science ¹	—	5
_____ BIOL 200B	Organismal and Ecological Biology	—	4
		14	15
<i>Second Year</i>		Fall	Spring
_____ FOR 201	Ecology of North American Forests.....	3	—
_____ FOR 202	Tree Identification Lab	3	—
_____ FOR 285	Social Influences.....	3	—
_____ ENGL 290/291	Analytical or Technical Writing	3	—
_____ UCC	Select Multicultural Diversity ¹ (CCJ 203 recommended)	—	3
_____ CHEM 140A	Inorganic Chemistry ²	4	—
_____ SPCM 101	Speech Communication ¹	—	3
_____ CSEM 240	Soil Science	—	4
_____ ZOOL 220	Diversity of Animal Life.....	—	5
		16	15
<i>Third Year</i>		Fall	Spring
_____ FOR 325, 310	Forest Policy <i>and</i> Silviculture	3	4
_____ FOR 351, 314	Forest Measurements <i>and</i> Forest Health.....	4	3
_____ UCC, FOR 331	Select Humanities ¹ <i>and</i> Forest Ecosystems.....	3	3
_____ ECON 240/ABE 204	Intro to Microeconomics <i>or</i> Economics of Food, Fiber, and Natural Resources.....	3	—
_____ Select	GIS Course.....	—	3
_____ ZOOL 469	Wildlife Techniques.....	3	—
		16	13
<i>Summer Camp Requirement – Typically Summer Semester Between Third and Fourth Year</i>		Summer	Summer
_____ FOR 310C	Silviculture Field Study	1	—
_____ FOR 351C	Resource Management Field Study	2	—
_____ FOR 314C	Forest Protection Field Study.....	2	—
_____ FOR 360C	Forest Industries Field Study.....	1	—
OR			
_____ FOR 422C	Park & Wildlands Management Field Study.....	—	6
		6	6
<i>Fourth Year</i>		Fall	Spring
_____ FOR 405	Forest Management for Wildlife.....	3	—
_____ FOR 411, 381	Forest Resources Economics <i>and</i> Forestry Seminar	3	1
_____ FOR 416, 451	Forest Resource Management <i>and</i> Natural Resource Inventory	4	3
_____ FOR 430	Watershed Management.....	3	—
_____ UCC	Select Fine Arts ¹ <i>and</i> Humanities ¹	—	6
_____ Select/ZOOL 461/467*	Forestry Elective <i>or</i> Mammalogy/Ornithology*.....	—	2-3
		13	12-13

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

* To qualify for certification as an Associate Wildlife Biologist, ZOOL 461 or 467 must be taken.

Wildlife Habitat Management and Conservation as a Major

Within ten miles of the SIU Carbondale campus are located one national wildlife refuge, two state parks, four recreational lakes, and a national forest. The 270,000 acre Shawnee National Forest, in particular, provides students with a wealth of hands-on experiences in a natural setting.

In addition, SIU Carbondale maintains a variety of lab and greenhouse facilities where students study wildlife and forest ecosystem processes.

All forestry students spend ample time in the field as part of their coursework. All students are required to participate in a summer field studies course. You will learn directly from forest and wildlife management professionals and get a

firsthand look at the challenges and rewards of career opportunities in the Wildlife Habitat Management & Conservation area.

Transferring Students

Students transferring to SIU Carbondale should strive to complete BIOL 200A and 200B, CHEM 140A, and MATH 108 before coming to SIU Carbondale. These courses are prerequisites to forestry courses and must be taken in the first two years to avoid delays in graduation.

Prospective students are strongly encouraged to call or visit the Department of Forestry to discuss courses that will prepare them for the course of study in forestry. This should be done before their first year at a community college.

Representative First Job Titles

Career opportunities are excellent for B.S. graduates trained in Forestry. This specialization well prepares graduates for wild-life- and forestry-related careers in federal and state governmental agencies, non-governmental conservation organizations, and natural resource consulting firms. Students also will be well-prepared for entry into the profession of conservation police officer and includes the course work necessary to qualify as a Certified Associate Wildlife Biologist.

French

College of Liberal Arts
(Bachelor of Arts)
(International Public Service)

Dr. Anne Winston-Allen, Chair
2166 Faner Hall
Telephone: (618) 536-5517
e-mail: forlang@siu.edu
<http://languages.siu.edu>

The B.A. degree program in foreign language meets the objectives of students preparing for employment in language-centered careers or in non-language areas where language proficiency is a supporting factor. Government agencies and businesses with international dealings employ great numbers of individuals, scientists, engineers, librarians, social workers, who can enhance their employment and career possibilities with appropriate training in foreign languages.

Programs of study in foreign languages leading to the B.A. (with or without teacher certification) are offered in classics, French, foreign language and international trade, German Studies, and Spanish. A specialization in international public service is offered in the French, German Studies and Spanish programs. There are also minors available in East Asian Civilization and Classical Civilization.

Students majoring in a foreign language often begin at the 200- or 300-level, since they have already taken courses in that language. Students who have previously studied a foreign language and not received college credit for the language may earn proficiency credit through CLEP and AP examinations in languages taught within the department. As an alternative, students who can enter at the second semester or higher level are encouraged to take a validating skills course which may make them eligible for up to 8 hours of credit. By earning 8-16 hours through CLEP, 4-8 hours through validation, 3-7 hours through AP, and/or regular proficiency credit, such students are in an advantageous position to complete a double major or double degree. Students who have previously studied French must take the on-line placement test before enrolling in a language class. Students may access the test at <http://webcape.byuhtrsc.org>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ FR 101A,B	French Language and Culture ²	4	4
_____ ENGL 101, 102	Composition I and II	3	3
_____ UCOL 101, Select	Foundations of Inquiry and Core MATH ¹	3	3
_____ Select	UCC Social Science ¹	3	3
_____ Select	Human Health ¹ and Fine Arts ¹	2	3
		15	16
<i>Second Year</i>			
_____ Select	Science ¹	3	3
_____ SPCM 101, Select	Introduction to Oral Communication and Humanities ^{1,3}	3	3
_____ FR 201A,B	Intermediate French	4	4
_____ Select	Electives or Specialization Requirements ⁴	6	6
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	CoLA Science	3	—
_____ FR 320A,B	Advanced Language Skills	3	3
_____ FR 321, Select	Advanced Conversation and Multicultural ¹	3	3
_____ FR 335, 330	Business French and Advanced Writing Skills	3	3
_____ Select	Electives or Specialization Requirements ⁴	3	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ FR 410, 411	Advanced Language Study and Linguistic Study of French	3	3
_____ FR 414/440	Translation Techniques or Literature of Enlightenment	—	3
_____ FR 4XX/435	Literature or Business French II	3	—
_____ FR 470	French Culture and Civilization	—	3
_____ ECON 302I/Select	History and Philosophy of the World's Economic Systems ⁴ or UCC Interdisciplinary ¹	3	—
_____ Select	Electives or Specialization Requirements ⁴	6	3
		15	12

* See also Foreign Languages (Teaching).

¹ See University Core Curriculum.

² Two semesters (generally 8 semester hours) of a foreign language are required for all liberal arts students. *First Year* French does not count toward major.

³ Three hours of the French major will substitute for three credit hours of humanities, group 1 or 2.

⁴ Required for the international public service specialization. Also required are SPCM 301i, ANTH 340, POLS 270, POLS 340, and POLS 371.

French as a Major

A major in French consists of 32 semester hours in courses above the 100 level with a minimum of 12 hours at the 300 level (to include 320), 9 hours at the 400 level, and one literature course at the 300 or 400 level. A minor in French consists of 20 semester hours in courses above the 100 level (to include 320A,B plus any other 300 level course).

Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU Carbondale.

Representative First Job Titles

Flight Attendant, customer services personnel, public relations officer, publications personnel, administrative assistant, announcer, copywriter, correspondent, critical writer, editorial writer, feature writer, program assistant, bilingual assistant, translator, banking & finance, foreign market analysis, diplomacy, and hotel management.

Geography and Environmental Resources

College of Liberal Arts
(Geographic Information Science)
(Environmental Sustainability)
(Climate and Water Resources)

Dr. Justin Schoof
4520 Faner Hall
Telephone: (618) 536-3375
E-mail: geog@siu.edu
www.geography.siu.edu/

Majors earning a Bachelor of Science degree in Geography and Environmental Resources study the dynamic relationship between nature and society in the field and the computer laboratory as well as in the traditional classroom. Field work, use of computers, and internships are prominent components of the integrated environmental problem-solving approach.

Students choose among three concentrations: environmental sustainability, geographic information science (GIS), and climate and water resources. A foundation of core courses helps students develop the analytic and research skills appropriate to their interest. Honors courses in GENV are available to students admitted to the University Honors Program.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II ¹	3	3
_____ MATH 108/109/111	College Algebra or Trigonometry and Analytic Geometry or Precalculus ¹	3	—
_____ SPCM 101	Introduction to Oral Communication ¹	—	3
_____ UCOL 101G	Foundations of Inquiry: Campus Sustainability ¹	3	—
_____ GEOG 104	Weather, Climate, Society ²	—	3
_____ GEOG 100	Environmental Conservation ³	—	3
_____ GEOG 310I	Digital Earth ^{2,6}	3	—
_____ FL	Foreign Language ⁴	4	4
		16	16
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	3
_____ Select	Fine Arts ¹	3	—
_____ Select	Human Health ¹	—	2
_____ Select	UCC Multicultural ¹	3	—
_____ GEOG 300I	Geography, People & Environment ³	—	3
_____ GEOG 103	World Geography ³	3	—
_____ GEOG 303I	Physical Geography of the Americas ²	—	3
_____ GEOG 304	Geography of Globalization ⁵	3	—
_____ ENGL Comp ⁴	Intermediate Expository Writing or Intermediate Technical Writing	—	3
		15	14

¹ University Core Curriculum.

² University Core Disciplinary Studies Science Group.

³ University Core Social Science.

⁴ College of Liberal Arts requirement.

⁵ College of Liberal Arts Writing Across the Curriculum.

⁶ GEOG 310I is a pre-requisite for GEOG 401, a required Geography Core course.

Suggested Curricular Guide for Environmental Sustainability Specialization

<i>Third Year</i>		Fall	Spring
_____ GEOG 401	Intro to Geographical Information Systems	3	—
_____ GEOG 424	Sustainable Development	3	—
_____ GEOG 320	Intro to Environmental Management	—	3
_____ GEOG 4XX	Geography 400-level elective	—	3
_____ GEOG 4XX	Geography 400-level elective	—	3
_____ Select	Electives	9	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ GEOG 433	Field Methods in Geography	—	3
_____ GEOG 412	Applied Geographic Statistics	3	—
_____ GEOG 422	Economics in Environmental Management	3	—
_____ GEOG 4XX	Geography 400-level elective	—	3
_____ GEOG 4XX	Geography 400-level elective	—	3
_____ Select	Electives	8	6
		14	15

Suggested Curricular Guide for Geographic Information Systems Specialization

<i>Third Year</i>		Fall	Spring
_____ GEOG 401	Intro to Geographical Information Systems	3	—
_____ GEOG 404	Spatial Analysis	—	3
_____ GEOG 420	Advanced GIS	—	3
_____ GEOG 406	Intro to Remote Sensing	3	—
_____ GEOG 4XX	Geography 400-level elective	3	3
_____ Select	Electives	6	6
		15	15

<i>Fourth Year</i>		Fall	Spring
_____ GEOG 433	Field Methods in Geography.....	—	3
_____ GEOG 416	Cartographic Design	3	—
_____ GEOG 408	Advanced Remote Sensing.....	3	—
_____ GEOG 4XX	Geography 400-level elective	3	3
_____ Select	Electives	6	8
		15	14

Suggested Curricular Guide for Climate and Water Resources Specialization

<i>Third Year</i>		Fall	Spring
_____ GEOG 401	Intro to Geographical Information Systems	3	—
_____ GEOG 330	Meteorology	3	—
_____ GEOG 431	Climatology	—	3
_____ GEOG 434	Water Resources Hydrology.....	3	—
_____ GEOG 4XX	Geography 400-level elective	—	6
_____ Select	Electives	6	6
		15	15

<i>Fourth Year</i>		Fall	Spring
_____ GEOG 433	Field Methods in Geography.....	—	3
_____ GEOG 412	Applied Geographic Statistics	3	—
_____ GEOG 439	Global Climate Change	3	—
_____ GEOG 4XX	Geography 400-level elective	—	3
_____ Select	Electives	9	8
		15	14

Geography as a Major

Students majoring in geography will take many other courses in their junior and senior years, including studies of geographic information systems, remote sensing, spatial analysis, environmental systems analysis, environmental management, sustainable development, natural hazards, climatology, and global climate change.

The Department of Geography and Environmental Resources has excellent facilities to support its instructional program. The department maintains the Environmental GIS Lab and the Advanced Geospatial Analysis Lab that trains students on computer simulation of environmental issues such as weather, air and water pollution, floods, and earthquakes. The personal computer facilities of these labs are used extensively for computer-assisted instruction. Facilities feature state-of-the-art Geographic Information Systems software and computers are employed in a number of projects, including modeling hydrological and ecological processes in wetlands.

Representative First Job Titles

Geographer, environmental planner, GIS specialist, regional analyst, map librarian, location analyst, planner, conservation specialist, recreation planner, water resources planner, and research climatologist. Jobs of our graduates include: cartographer, emergency manager, environmental educator, geospatial intelligence analyst, GIS analyst, GIS coordinator, natural resource consultant, recycling coordinator, regional planner, social studies teacher, water quality manager.

Geology

(Environmental)
(Geophysical)
(Resource Geology)
College of Science
(Bachelor of Science) (Bachelor of Arts)

Dr. Steven Esling, Chair
102 Parkinson Laboratory
Telephone: (618) 453-3351
FAX (618) 453-7393
E-mail: geology@geo.siu.edu
<http://www.science.siu.edu/geology/>

Geology deals with the earth—its materials, processes, history and environments. Students in geology can work toward a B.A. or a B.S. degree. The B.S. degree program is recommended for those planning to pursue graduate studies or a professional career in geology. The bachelor of arts degree program is recommended for students who plan to combine geologic education with other interests, such as environment law, engineering, biology, chemistry, business, teaching.

Both field and laboratory studies are important aspects of geological work. Employment opportunities for geologists are found in state and federal geological surveys; private and public organizations concerned with the environment; the quality and development of water resources; engineering firms; government agencies dealing with planning, land use, geologic hazards, construction, and hazardous waste disposal; and petroleum, coal, and other mining industries. Other geologists become teachers at a variety of levels, from grade school to college.

NOTE: A sample **Bachelor of Arts** curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ GEOL 220/222,223	Dynamic Earth or Environmental Geology and Lab ¹	4	—
_____ GEOL 221, 224	Earth Through Time and Lab.....	—	4
_____ UCOL 101S, ENGL 101	Foundations of Inquiry and Composition I	3	3
_____ CHEM 200, 201	Introduction to Chemical Principles and Lab	5	—
_____ CHEM 210, 211	General and Inorganic Chemistry and Lab	—	5
_____ MATH 108/111, 109	College Algebra ² and Trigonometry ³	3-5	3
_____ Select	UCC Human Health.....	—	2
		15-17	17
<i>Second Year</i>		Fall	Spring
_____ GEOL 310, 315	Mineralogy, Petrology.....	4	4
_____ PHYS 203A, 253A	College Physics and Lab.....	4	—
_____ Select	Biological Science.....	—	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Social Science.....	3	3
_____ ENGL 102, Select	Composition II and Humanities	3	3
		14	16
<i>Third Year</i>		Fall	Spring
_____ GEOL 325, 302	Sedimentology, Stratigraphy, and Paleontology and Fundamentals of Structural Geology.....	4	4
_____ Select	Biological Science ⁴	4	—
_____ Select	UCC Fine Arts and Multicultural	3	3
_____ Select	UCC Humanities	—	3
_____ Select	Electives	4	3
_____ GEOL 450	Intro to Field Geology ⁵	—	3
		15	16
<i>Summer of Third Year</i>			
_____ GEOL 454	Field Geology ⁶	6	
		6	
<i>Fourth Year</i>		Fall	Spring
_____ Select	Electives	10-12	10-12
_____ Select	Supportive Skills.....	3	3
		13-15	13-15

¹ Subs for GEOL 111/112.

² Subs for UCC MATH 110 or 101.

³ Not required if MATH 111 is taken.

⁴ Subs for UCC Biology.

⁵ Not required if GEOL 454 is taken.

⁶ Not required if GEOL 450 is taken.

NOTE: A sample **Bachelor of Science** curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ GEOL 220/222,223	Dynamic Earth or Environmental Geology and Lab ¹	4	—
_____ GEOL 221, 224	Earth Through Time and Lab.....	—	4
_____ UCOL 101S, ENGL 101	Foundations of Inquiry and Composition I	3	3
_____ CHEM 200, 201	Introduction to Chemical Principles ² and Lab	5	—
_____ CHEM 210, 211	General and Inorganic Chemistry and Lab	—	5
_____ MATH 108/111, 109	College Algebra ² and Trigonometry ³	3-5	3
_____ Select	UCC Human Health.....	—	2
		15-17	17

<i>Second Year</i>		Fall	Spring
_____ GEOL 310, 315	Mineralogy ¹ , Petrology	4	4
_____ PHYS 203A, 253A	College Physics A <i>and</i> Lab.....	4	—
_____ PHYS 203B, 253B	College Physics B <i>and</i> Lab.....	—	4
_____ SPCM 101	Introduction to Oral Communication.....	3	—
_____ MATH 150	Calculus I.....	—	4
_____ ENGL 102, Select	Composition II <i>and</i> Humanities	3	3
		14	15
<i>Third Year</i>		Fall	Spring
_____ GEOL 325, 302	Sedimentology, Stratigraphy, and Paleontology <i>and</i> Fundamentals of Structural Geology	4	4
_____ Select	GEOL Specialization	3-4	3
_____ Select	Biological Science ⁴	3	3
_____ Select	UCC Social Science	3	3
_____ Select	UCC Fine Arts	—	3
		13-14	16
<i>Summer of Third Year</i>			
_____ GEOL 454	Field Geology	6	
		6	
<i>Fourth Year</i>		Fall	Spring
_____ Select	GEOL Specialization	3	—
_____ Select	Geology/Science/Tech Electives	6	6
_____ Select	Supportive Skills	3	3
_____ Select	UCC Multicultural	3	—
_____ Select	UCC Humanities	—	3
		15	12

¹ Subs for GEOL 111/112.

² MATH 108 may be used for Core Curriculum Mathematics.

³ Not required if MATH 111 is taken.

⁴ Subs for UCC Biology.

Geology as a Major

The department has excellent laboratory and field equipment, and students are encouraged to use it in independent study projects as well as supervised study. With few exceptions, classes for geology majors tend to be small, and students work closely with the faculty and receive individual attention both in and outside the classroom. The department helps students find suitable graduate programs or jobs in geology and related areas. A summer field course in the Rocky Mountains, normally taken between the junior and senior years, is required for the B.S. degree and is strongly recommended for the B.A. degree.

SIU Carbondale is in a particularly interesting geologic location, embracing a diversity of rock formations, deposits of oil, coal, gas, and fluorite, and a great variety of terrain.

Representative First Job Titles

Geologist, coal geologist, environmental scientist, economic geologist, exploration geologist, geochemist, engineering geologist, geophysicist, groundwater geologist, hydrogeologist, volcanologist, petrologist, petroleum geologist, photogeologist, sedimentologist, stratigrapher, field geologist, geomorphologist, structural geologist, product studies and testing geologist, seismologist, paleontologist, geologic data analyst.

German Studies

College of Liberal Arts
(Bachelor of Arts)
(International Public Service)

Dr. Anne Winston-Allen, Chair
2166 Faner Hall
Telephone: (618) 536-5571
e-mail: forlang@siu.edu
<http://languages.siu.edu>

The B.A. program in foreign language meets the objectives of students preparing for employment in language-centered careers or in non-language areas where language proficiency is a supporting factor. Government agencies and businesses with international dealings employ great numbers of individuals—scientists, engineers, librarians, social workers—who can enhance their employment and career possibilities with appropriate training in foreign languages.

Great satisfaction and growth in intellectual resources can be found in the mastery of a new language.

Programs of study in foreign languages leading to the B.A. (with or without teacher certification) are offered in classics, foreign language and international trade, French, German Studies and Spanish. A specialization in international public service is offered in the French, German Studies, and Spanish programs. There are also minors available in East Asian Civilization and Classical Civilization.

Students majoring in a foreign language often begin at the 20- or 300-level, since they have already taken courses in that language. Students who have previously studied a foreign language and not received college credit for the language may earn proficiency credit through CLEP and AP examinations in languages taught within the department. As an alternative, students who can enter at the second semester or higher level are encouraged to take a validating skills course which may make them eligible for up to 8 hours of credit. By earning 8-16 hours through CLEP, 4-8 hours through validation, 3-7 hours through AP, students are in an advantageous position to complete a double major or double degree. Students who have previously studied German must take the on-line placement test before enrolling in a language class. Students may access the test at <http://webcape.byuhtsc.org>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ GER 101A,B	German Language and Culture ³	4	4
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select, Select	Core MATH ² and Fine Arts ²	3	3
_____ Select	Core Social Science ²	3	3
_____ UCOL 101, Select	Foundations of Inquiry and Human Health ²	3	2
		16	15
<i>Second Year</i>		Fall	Spring
_____ FL 301I, Select	Cross Cultural Orientation and Humanities	3	3
_____ Select	Science ²	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ GER 201A,B	Intermediate German ³	4	4
_____ Select	Electives or Specialization Requirements ⁵	3	5
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	CoLA Science and Multicultural ²	3	3
_____ GER 320A,B	Advanced Composition and Conversation	4	3
_____ GER 335/337/381	The Germans I or The Germans II or Film & Literature.....	3	—
_____ GER 370/385	Contemporary Germany or German Poetry	—	3
_____ Selective	Electives or Specialization Requirements ⁵	6	6
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ GER 493, 465	Seminar in Special Topics or Self and Society	—	3
_____ Select/ECON 302I	Select a UCC Interdisciplinary Studies ² or History and Philosophy of the World's Economic Systems ⁵	3	—
_____ GER 410, 411	Advanced Language Study and Linguistic Structure of Modern German	3	3
_____ GER 460, 435	German Theater and Business German	3	3
_____ Select	Electives or Specialization Requirements ⁵	6	3
		15	12

¹ See also Foreign Languages (Teaching).

² See University Core Curriculum.

³ Two semesters (generally 8 semester hours) of a foreign language are required for all liberal arts students. *First Year* of German Studies does not count toward the major.

⁴ Three hours of the German Studies major will substitute for three credit hours of humanities, group 1 or 2.

⁵ Required in the international public service specialization, as well as SPCM 301i, ANTH 340, POLS 270, 340, 371.

German Studies as a Major

A major in German Studies consists of 33 semester hours in courses above 100 level, including GER 201, 320, and 410 plus 17 hours of courses at the 300 or 400 level. At least one literature course must be taken. A minor in German Studies consists of 18 semester hours in courses above the 100 level.

Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU Carbondale.

Representative First Job Titles

Flight attendant, customer services personnel, administrative assistant, copywriter, reporter, technical writer, educational television staff, manufacturer's representative, sales agent, recreation specialist, interpreter, bi-lingual secretarial assistant, journalist, teacher, translator, social services, administrator, government positions, college/junior college teaching, U.S. Armed Forces, U.S. agencies dealing with commerce and international relations, travel business (agencies, airlines), international business, international journalism, high school or middle school language teaching and international trade, banking and finance jobs.

Health Care Management

College of Applied Sciences and Arts
(Bachelor of Science)

Dr. Sandra K. Collins, Program Director

131 Applied Sciences and Arts Building

Telephone: (618) 453-8802

Email: skcollin@siu.edu

<http://sah.siu.edu/undergraduate/health-care-management/index.php>

The B.S. degree program in Health Care Management provides course work and experience in health care supervision and management in a variety of settings.

Through a combination of major requirements, approved major electives, electives, internship and SIUC University Core Curriculum requirements, the Bachelor of Science degree in Health Care Management prepares students for supervisory and administrative positions in such health and medical care facilities as hospitals, nursing homes, managed care facilities, assisted living, and physician practices. Health Care Management graduates have also been successful in administrative graduate programs.

The 41-semester-hour University Core Curriculum requirements may be satisfied by course credits from any accredited college or university or credit received through CLEP, USAFI, DANTES, or proficiency examinations. Students who have completed an A.A.S. degree may be eligible for the Capstone Option, which reduces the hours required in university core from 41 to 30. Students may also receive credit for previous educational, and occupational experience. Credit is established by departmental evaluation.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹ (recommend biology, zoology or physiology).....	—	3
_____ SPCM 101	Introduction to Oral Communication.....	—	3
_____ Select	Humanities ¹ (recommend ethics)	3	3
_____ MATH Core	Core Mathematics	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Fine Arts ¹	3	—
_____ Select	Social Science ¹ (recommend psychology and microeconomics)	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	—
_____ Select	Human Health ¹	—	2
_____ Select	Multicultural Studies ¹	3	—
_____ Select	Interdisciplinary Studies ¹	3	—
_____ Select	Approved electives/prerequisite courses	5	12
		14	14
<i>Third Year</i>		Fall	Spring
_____ HCM 320, 340	Health Policy and Politics and Marketing for Health Care Organizations	3	3
_____ HCM 360, 382	U.S. Health Care Systems and Health Economics	3	3
_____ HCM 364, 365	Organizational Behavior and Management in Health Care and Statistics for Health Care Professions	3	3
_____ HCM 384, 390	Strategic Planning and Leadership in Health Care and Managing Human Resources and Labor Relations in Health Care Organizations	3	3
_____ HCM 366, 420	Health Information Management and Health Care Ethics, Coding, and Compliance	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ HCM 375, Select	Analysis and Evaluation of Health Care Services and Approved Elective(s) (0-6) .	3	3
_____ HCM 388, Select	Legal Aspects and Current Issues in Health Care and Approved Elective(s) (0-6) ...	3	3
_____ HCM 385, Select	Health Care Finance and Approved Elective(s) (0-6).....	3	3
_____ HCM 410, Select	Operations Management and Quality Improvement in Health Care and Approved Elective(s) (0-6)	3	3
_____ HCM 421, 422	Professional Practice for Health Care Managers and Health Care Management Internship	3	1 - 12
		15	15

¹ See University Core Curriculum.

Those planning to sit for the Illinois Nursing Home Licensure Examination may complete a course of study in nursing home administration (listed below) that is approved under Title 68: Section 310.40 of the Rules for Nursing Home Administrators Licensing Act.

_____ HCM 364	Health Care Supervision.....	3
_____ HCM 385	Fiscal Aspects of Health Facilities	3
_____ HCM 413	Long Term Care Administration.....	3
_____ HED 440/ REHB 405	Health Issues in Aging or Introduction to Aging and Rehabilitation	3

Health Education

(Community Health)

College of Education and Human Services
(Bachelor of Science)

307 Pulliam, Telephone
(618) 453-2777
College of Education Student Services
135 Wham Building
Telephone: (618) 453-2354
www.her.siu.edu

The Department of Health Education and Recreation offers a B.S. degree in health education. The *community health education* specialization is for those planning to conduct health education and promotion activities in non-classroom settings.

Health educators help people acquire the knowledge and skills needed to live healthy, happy lives. Employment opportunities are expected to grow due to the changes in delivery of healthcare and to the growth of the aging population. Health educators are sought for positions in public health departments, schools, state departments of education, community agencies, wellness centers, fitness centers, and environmental agencies.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <<http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ Select	Science	3	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ Select	Humanities.....	—	3
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ MATH 110/101	Non-Technical Calculus or Introduction to Contemporary Mathematics	—	3
_____ HED 101	Foundations of Human Health	—	2
_____ Select	Approved non-Western or Third World culture course	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
		<u>15</u>	<u>14</u>
<i>Second Year</i>		Fall	Spring
_____ Select	Approved course from Interdisciplinary Studies	—	4
_____ Select	Social Science	3	3
_____ Select	Group II Humanities	3	—
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Multicultural Studies	3	—
_____ Select	Fine Arts and Electives ¹	3	9
		<u>15</u>	<u>16</u>

¹ A course in anatomy and/or physiology is required.

Transfer students are encouraged to contact SIUC College of Education and Human Services, Student Services (618) 453-2354 at least one year before they plan to enroll at SIU Carbondale.

Third and Fourth Years

In the remaining years of the degree program, students will concentrate on specific requirements in health education and related areas.

Community health students will complete a field experience in a health or safety agency. The community health specialization does not lead to teacher certification.

Community Health Education as a Major

For those planning to conduct health education and health promotion activities in non-classroom settings, the curriculum in community health includes advanced concepts of health, evaluation in health education, consumer health, community health administration in the United States, and environmental dimensions of health education. Students will also complete a field experience in a health or safety agency.

The community health education specialization is an attractive bachelor's degree alternative for students holding an associate in applied science degree in a health field.

History

College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Building
Telephone: (618) 453-2354

At one time, people thought teaching was the only thing one could do with a degree in history. Nowadays, although most history majors enter other fields, those who choose to become educators will find history an excellent discipline. More than a million new teachers will be needed in the U.S. during the next decade or so, and many of them will be teachers of history at the high school and junior high school levels.

The B.S. degree program in history consists of 36 semester hours in history courses. Six courses must be evenly distributed over either two or three fields chosen from American, European, or non-Western history offerings—either two courses in each of the three fields or three courses each in two of the three fields. Students must also complete 12 hours at the 400 level of the 36-hour total.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ POLS 114, GEOG 300I	Intro to American Politics and Geography, People, & the Environment	3	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Human Health ¹ and Fine Arts ¹	2	3
_____ EDUC 311, 314	Diversity, Culture, & Education <i>and</i> Human Growth, Development, & Learning..	3	3
		17	15
<i>Second Year</i>		Fall	Spring
_____ HIST 205A,B/207A,B	History of Western Civilization I and II <i>or</i> World History I and II.....	3	3
_____ Select	Foreign Language.....	4	4
_____ HIST 300, 301	The Origins of Modern America, 1492–1877 <i>and</i> Modern America from 1877 to the Present	3	3
_____ MATH 101, Select	Intro to Contemporary Mathematics <i>and</i> Elective ³	3	3
_____ Select	Science ¹	3	3
		16	16

¹ See University Core Curriculum.

² Immediately after completing 30 hours of college credit (including ENGL 101 and 102 with a grade of *C* or better) with an overall GPA of 2.75 (4.0 = *A*) or higher, students should apply to the SIUC College of Education and Human Services Teacher Education Program.

³ Consider electives *or* University Core Curriculum courses which would complete social studies endorsement areas, i.e., anthropology, civics/political science, economics, geography, psychology, sociology which allows a history teacher to teach additional social studies subject areas.

History as a Major

The B.S. consists of 36 credit hours and combines intensive study of history with a broad background in humanities and social sciences. Students planning to teach in secondary schools should consult the teacher education program admission requirements.

Transfer Students

Transfer students planning to complete the teacher certification program are encouraged to contact the College of Education and Human Services, Student Services Office at least one semester prior to enrolling at SIU Carbondale.

History

College of Liberal Arts
(Bachelor of Arts)

Dr. Kay J. Carr, Chair
3374 Faner Hall
Telephone: (618) 453-4391
<http://history.siu.edu/>

The B.A. degree program in history consists of 36 semester hours. Courses in American history, Western civilization, European history, world history, and research/writing are required. History electives are taken in two or more fields of history.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Social Science ¹	3	3
_____ Select	Humanities ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Human Health ¹	2	—
_____ SPCM 101	Introduction to Oral Communication	—	3
		14	15
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Mathematics ¹ and Multicultural ¹	3	3
_____ Select	Foreign Language ³	4	4
_____ HIST 205A,B/207A,B	Western Civilization or World History ²	3	3
_____ HIST 300	Origins of Modern America, 1492–1877 ²	3	—
_____ HIST 301	Modern America—from 1877 to the Present ²	—	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	English course	3	—
_____ Select	300- or 400-level History	3	3
_____ Select	400-level History	3	3
_____ HIST 392	Historical Research and Writing ^{2,4}	3	—
_____ Select	Electives ⁵	3	10
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ Select	400-level History	3	3
_____ Select	300- or 400-level History	—	3
_____ Select	Elective 300- or 400-level	12	10
		15	16

¹ See University Core Curriculum.

² Required by the major.

³ Completion of the second semester of a foreign language is required of all liberal arts students.

⁴ HIST 392 should be taken in the second semester of the second year or in the third year, at the latest.

⁵ Elective hours should be used to explore areas of interest and enhance career opportunities or selected to satisfy liberal arts requirements (see College of Liberal Arts).

Third and Fourth Years

History students have great flexibility in designing a third-and-fourth-year program to meet specific career goals. Students must complete a minimum of four courses at the 400-level. They must also take at least one non-Western history course at the 300 or 400 level. Additional courses, such as computer science, foreign languages, secondary education, or journalism, may be devoted to studying some field of history in greater depth or to developing a strong secondary field or job skill.

Transfer students should, if possible, contact the department before their first semester of attendance. Transfer students must earn at least 18 semester hours of history credit at SIU Carbondale.

History as a Major

Teaching history can be a fine career, although the majority of history graduates enter other fields. Students with a background in history are often employed in library and archival work, government or diplomatic service, or news and special events reporting. SIU Carbondale history graduates currently occupy positions in institutions ranging from the CIA and Chase-Manhattan Bank to Sears Roebuck, British Airways, ABC, and Time-Life. The study of history is also an excellent preparation for law school and for graduate work in a wide variety of fields.

Representative First Job Titles

Administrative aide, legal assistant, policy researcher, archival worker, records manager, museum curator, library administrative assistant, market researcher, needs analyst, environmental historian, genealogical researcher, military historian, legislative research assistant, editor or editorial assistant, publishing sales representative, peace corps volunteer, historical society director, newscaster, budget analyst, teacher, overseas marketing assistant, corporate archivist.

Horticulture

General Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Paul Henry, Professor
Agriculture, Room 176D
Telephone (618) 453-1783
<http://www.coas.siu.edu>

The Horticulture major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a general option.

The program provides thorough training in theory and practice. The general option is focused on sustainable agriculture although students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ CHEM 140A	Chemistry ¹	—	4
_____ MATH 125	Technical Mathematics with Applications	4	—
_____ Select	Humanities Elective ²	—	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	3	—
_____ PLB 200	Plant Biology	4	3
_____ UCOL 101I, Select	Foundations of Inquiry <i>and</i> Social Science Elective ²	3	—
_____ HND 101	Personal Nutrition	—	2
		17	15
<i>Second Year</i>		Fall	Spring
_____ HORT 220	General Agriculture	4	—
_____ HORT 423	Greenhouse Management	—	3
_____ CSEM 240	Soil Science	4	—
_____ HORT 424	Floriculture	—	4
_____ CHEM 140B	Chemistry	4	—
_____ SPCM 101, Select	Introduction to Oral Communication and Humanities Elective ²	3	3
_____ Select	Fine Arts Elective ²	—	3
_____ Select	Agriculture Elective	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ HORT 437	Vegetable Production	4	—
_____ HORT 432	Garden Center and Nursery Management	4	—
_____ HORT 436	Successful Fruit Growing	—	4
_____ Select	Horticulture Elective	—	3
_____ Select	Agriculture Elective	4	3
_____ CSEM 401	Agricultural Plant Pathology	—	2
_____ HORT 403B	Horticulture Crop Diseases	—	2
_____ Select	Multicultural Elective ²	3	—
		15	14
<i>Fourth Year</i>		Fall	Spring
_____ Select	Horticulture Elective	3	—
_____ CSEM 409	Crop Physiology	—	3
_____ HORT 381, 430	Horticulture Seminar <i>and</i> Plant Propagation	1	4
_____ Select	Agriculture Electives	6	—
_____ Select	Electives	5	6
		15	13

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum social science requirement.

³ See University Core Curriculum.

Horticulture as a Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Plant and soil laboratory technologist, production manager, plant quarantine inspector, plant pest control inspector, farm manager, foreman-park maintenance, public and environmental health scientist, plant ecologist, plant breeding expert, plant morphologist, technical service representative, plant physiologist, and plant pathologist.

Horticulture

Science Option
College of Agricultural Sciences
(Bachelor of Science)

Dr. Alan Walters, Professor
Agriculture, Room 145A
Telephone (618) 453-3446
<http://www.coas.siu.edu>

The Horticulture major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a science option.

The program provides thorough training in theory and practice. Although the science option is oriented towards students interested in advanced degrees and research, students may choose elective courses from the College of Agricultural Sciences and other departments in the university and structure individualized programs through internships, special studies, and seminars.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 125	Technical Mathematics with applications.....	4	—
_____ CHEM 200, 201	Introduction to Chemical Principles and Lab ¹	—	4
_____ PLB 200	Plant Biology ¹	4	—
_____ MATH 109	Trigonometry and Analytic Geometry	—	3
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ²	3	—
_____ HND 101	Personal Nutrition	—	2
_____ UCOL 101I	Foundations of Inquiry	3	—
_____ Select	Humanities Elective ³	—	3
		17	15
<i>Second Year</i>		Fall	Spring
_____ HORT 220	General Horticulture	4	—
_____ CHEM 210	General and Inorganic Chemistry	3	—
_____ CHEM 211,	General Chemistry Lab II	1	—
_____ CSEM 240	Soil Science	—	4
_____ CHEM 339	Introduction to Organic Chemistry	—	3
_____ CHEM 341	Organic Chemistry Lab II	—	2
_____ MATH 140	Short Course in Calculus	4	—
_____ HORT 423	Greenhouse Management	—	3
_____ SPCM 101, Select	Introduction to Oral Communication <i>and</i> Social Science Elective ³	3	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ CHEM 350	Introduction to Biological Chemistry	3	—
_____ Select	Horticulture Elective	—	3
_____ PHYS 203A, 203B	College Physics	3	3
_____ HORT 437, 424	Vegetable Production and Floriculture	4	4
_____ HORT 436	Successful Fruit Growing	—	4
_____ Select	Humanities Electives ³	3	3
_____ Select	Fine Arts Elective ³	3	—
		16	17
<i>Fourth Year</i>		Fall	Spring
_____ PLB 320	Elements of Plant Physiology	4	—
_____ HORT 432, 430	Garden Center and Nursery Management <i>and</i> Plant Propagation.....	4	4
_____ CSEM 401	Agricultural Plant Pathology	—	2
_____ HORT 381, 403B	Horticulture Seminar <i>and</i> Horticulture Crop Diseases	1	2
_____ Select	Multicultural Elective ³ <i>and</i> Agriculture Electives	3	5
		12	13

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Fulfills a University Core Curriculum social science requirement.

Horticulture as a Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Plant and soil laboratory technologist, production manager, plant quarantine inspector, plant pest control inspector, farm manager, foreman-park maintenance, public and environmental health scientist, plant ecologist, plant breeding expert, plant morphologist, technical service representative, plant physiologist, and plant pathologist.

Horticulture

Landscape Horticulture Specialization
College of Agricultural Sciences
(Bachelor of Science)

Professor Karen Midden
Agriculture, Room 161F
Telephone (618) 453-2496
<http://www.coas.siu.edu>

The Horticulture major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a landscape horticulture specialization.

The specialization provides thorough training for students seeking interesting careers in landscaping or gardening in parks, playgrounds, residential, or industrial areas; in road, street, and parkway improvement and maintenance; and in other public and private work to make the environment more pleasing and useful.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108/125	Contemporary Mathematics <i>or</i> Technical Mathematics.....	3-4	—
_____ CHEM 140A	Chemistry	—	4
_____ PLB 200	General Plant Biology	—	4
_____ ABE 204	Introductory Economics of Food, Fiber, and Natural Resources ³	—	3
_____ Select	Multicultural ¹	—	3
_____ UCOL 101I	Foundations of Inquiry	3	—
_____ Select	Human Health ¹	2	—
_____ Select	Computer Requirement	3	—
		14-15	17
<i>Second Year</i>		Fall	Spring
_____ Select	Fine Arts Elective ¹	—	3
_____ Select	Humanities Electives ¹	3	3
_____ Select	Agriculture Elective	—	3
_____ CHEM 140B	Chemistry	4	—
_____ HORT 220	General Horticulture.....	4	—
_____ Select, CSEM 240	Elective <i>and</i> Soil Science	4	4
_____ SPCM 101	Introduction to Oral Communication	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ PLB 320/CSEM 409	Plant Physiology or Crop Physiology	3-4	—
_____ Select	Horticulture Elective Upper Level	6	6
_____ Select	Business/Agriculture Elective	—	4
_____ Select	Social Science Elective ¹	3	—
_____ Select	Horticulture Electives	3	3
		15-16	13
<i>Fourth Year</i>		Fall	Spring
_____ Select	Horticulture Elective Upper Level	6	5-6
_____ HORT 381	Horticulture Seminar	1	—
_____ Select	Business/Agriculture Electives	6	—
_____ Select	Electives	3	7-8
		16	12-14

¹ Fulfills a University Core Curriculum science requirement.

Landscape Horticulture Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Landscape gardener, nurseryman, garden center manager, water conservationist, production manager, plant quarantine inspector, plant pest control inspector, foreman-park maintenance, public and environmental health scientist, plant ecologist, plant morphologist, technical service representative, plant physiologist and plant taxonomist.

Horticulture

Turf Specialization
College of Agricultural Sciences
(Bachelor of Science)

Dr. Kenneth Diesburg
Agriculture, Room 161G
Telephone (618) 453-2496
<http://www.coas.siu.edu>

The Horticulture major is administered through the Department of Plant, Soil and Agricultural Systems, and the program includes a turfgrass management specialization.

The specialization provides thorough training in theory and practice emphasizing practical and professional turfgrass management; species and cultivar selection, identification, and establishment; turfgrass culture and physiology; basic nutrient management programs; irrigation practices; compaction control; pest identification and control; and lawn equipment maintenance.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 125	Technical Mathematics	4	—
_____ CHEM 140A	Chemistry and Lab	—	4
_____ PLB 200	Plant Biology	—	4
_____ AGSE 318, HORT 359	Intro to Computers in Agriculture <i>and</i> Intern Program	3	1
_____ UCOL 101, Select	Foundations of Inquiry and Fine Arts ¹	3	3
		13	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹ <i>and</i> Social Science ¹	3	3
_____ CHEM 140B	Chemistry	4	—
_____ HORT 220, CSEM 240	General Horticulture and Soil Science	4	4
_____ HORT 359	Intern Program	—	1
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Multicultural ¹ and Human Health ¹	3	2
_____ HORT 322, 421	Turf Management <i>and</i> Turf Management Issues and Strategies	3	3
		17	16
<i>Third Year</i>		Fall	Spring
_____ CSEM 409	Crop Physiology	3	—
_____ HORT 422, Select	Turf Science and Professional Management <i>and</i> Restricted Electives	6	6
_____ Select	HORT Upper Level Courses	6	5
_____ Select	General Elective	—	3
_____ HORT 359	Intern Program	—	1
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ HORT 381	Horticulture Science Seminar	—	1
_____ Select	HORT Upper Level Courses	9	9
_____ ABE 333/SPCM 280	Professional Agri-selling <i>or</i> Business and Professional Communication	3	—
_____ Select	Social Science Elective ¹	—	3
_____ Select, CSEM 401	Humanities <i>and</i> Ag Plant Pathology	3	2
		15	15

¹ Fulfills a University Core Curriculum science requirement.

Horticulture as a Major

Numerous job opportunities are available for graduates of this specialization. The department maintains close contact with employers and assists students in identifying internships and permanent positions. A minor is not required and there are no foreign language requirements.

Representative First Job Titles

Professional turf manager, assistant golf course superintendent, sports turf manager, parks and recreation manager, lawn care business owner and manager, grounds manager, sod production business owner and manager, vegetation manager, utility right-of-way, soil conservation and erosion prevention specialist, plant and soil laboratory technologist, plant pest control inspector, turf and ornamental technical sales and service, technical writer and turf and ornamental magazine.

Hospitality and Tourism Administration

Department of Animal Science, Food and Nutrition
College of Agricultural Sciences
(Bachelor of Science)

Dr. Gary A. Apgar, Interim Chair
127 Agriculture Building
Telephone: (618) 453-2329
<http://www.asfn.siu.edu/>

The B.S. degree program in Hospitality and Tourism Administration meets the objectives of students preparing for challenging careers in hospitality and tourism management.

The academic emphasis of the multidisciplinary program is on providing students with the practical principles, management concepts, and analytical tools used in the hotel, restaurant, and tourism and event industries.

The program recognizes the importance not only of academic theory, but also of obtaining appropriate hotel and restaurant industry experiences. The program has a two-stage or six month internship program and also uses on-site food service facilities as part of the academic courses. The Accreditation Commission accredits the Hospitality and Tourism Specialization for Programs in Hospitality, 203 S Morris St., P.O. Box 278, Oxford, MD, 21654, Phone (416) 226-5527.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108	College Algebra.....	—	3
_____ Select	Fine Arts ¹	3	—
_____ UCOL 101	Foundations of Inquiry	3	—
_____ HND 101	Human Health	—	3
_____ HTA 202	Intro to Hospitality and Tourism	—	3
_____ Select	Science Group I	3	—
_____ PSYC 102	Social Science.....	3	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ ISAT 229/CS 200B	Computer Concepts	3	—
_____ Select	Elective/Minor	3	—
_____ HTA 206	Food Safety Sanitation	1	—
_____ PARL 305	Introduction to Law	—	3
_____ SPCM 101	Introduction to Oral Communication.....	3	—
_____ PHIL 105	Logic	—	3
_____ Select	Multicultural	—	3
_____ PSYC 323	Organizational Psychology	—	3
_____ HTA 360	Quantity Food Production.....	—	4
_____ Select	Science: Group II	3	—
_____ ECON 113	Social Science.....	3	—
		16	16

Third and Fourth Years

The last two years of the program concentrate on developing managerial and analytical abilities of students. Courses in all the aspects of hotel, restaurant and tourism management are taken. In addition, students must complete 18-19 hours of electives allowing students to increase their marketability through obtaining a minor relevant to their career path.

Representative First Job Titles

Manager trainee, restaurant assistant manager, front office manager trainee, assistant convention coordinator, catering and sales assistant manager, marketing coordinator, event planner, lodging assistant manager.

Human Nutrition and Dietetics

Department of Animal Science, Food and Nutrition
College of Agricultural Sciences
(Bachelor of Science)

Dr. William J. Banz, Chair
127 Agriculture Building
Telephone: (618) 453-2329
<http://www.asfn.siu.edu/>

The B.S. degree program in Human Nutrition and Dietetics meets the objectives of students interested in careers as Registered Dietitians. The program fulfills the academic requirements of the Accreditation Council for Education in Nutrition and Dietetics (ACEND) of the Academy of Nutrition and Dietetics.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ HND 100 ² , 101 ¹	Careers in Dietetics <i>and</i> Personal Nutrition	1	2
_____ ENGL 101 ¹ , 102 ¹	Composition I <i>and</i> II.....	3	3
_____ MATH 108 ¹ *	College Algebra	3	—
_____ PSYC 102 ¹	Introduction to Psychology	—	3
_____ CHEM 140A ¹ **	Chemistry.....	—	4
_____ ZOOL 115/118 ¹	General Biology <i>or</i> Principles of Animal Biology	3-4	—
_____ UCOL 101I	Foundations of Inquiry	3	—
_____ Select	Social Science ¹ <i>and</i> Fine Arts ¹	3	3
		16-17	15
<i>Second Year</i>		Fall	Spring
_____ HND 320 ³	Found in Nutrition	—	3
_____ SPCM 101 ¹	Introduction to Oral Communication	3	—
_____ MICR 201 ³	Elementary Microbiology	—	4
_____ Select	Humanities ¹ <i>and</i> Multicultural ¹	3	3
_____ PHIL 104	Ethics.....	—	3
_____ PHSL 201	Human Physiology.....	3	—
_____ PHSL 208	Human Physiology Lab	1	—
_____ CHEM 140B ¹	Chemistry.....	4	—
_____ HTA 206, 360	Sanitation <i>and</i> Quantity Food Production.....	1	4
		15	17
<i>Third Year</i>		Fall	Spring
_____ HND 321 ² , 356	Food and Nutrition Assessment <i>and</i> Experimental Foods	3	3
_____ HND 373 ²	Food and Beverage Cost Control	3	—
_____ HND 475	Life Cycle Nutrition	3	—
_____ HND 425 ³	Nutrition Biochemistry	—	3
_____ HTA 461	Service Organization and Management	—	3
_____ Select	Elective	2	—
_____ MKTG 304	Marketing Management.....	—	3
_____ PSYC 323	Organizational Psychology.....	3	—
		14	12
<i>Third Year</i>		Summer	
_____ HED 415 ***	Health Counseling	3	
_____ Elective	Electives	3	
		6	
<i>Fourth Year</i>		Fall	Spring
_____ HND 400 ²	Senior Seminar	1	—
_____ HND 485 ²	Advanced Nutrition	3	—
_____ HND 470 ³	Medical Nutrition Therapy	—	4
_____ MATH 282 ¹ /EPSY 402/ _____ ABE 318 ¹ /PSYC 211	Intro to Statistics <i>or</i> Basic Statistics <i>or</i> Agribusiness Stat Methods <i>or</i> Research Methods and Statistics.....	—	3
_____ AH 105 ¹	Medical Terminology	2	—
_____ HND 410 ³	Nutrition Education	—	3
_____ HND 480 ³	Community Nutrition.....	—	3
_____ HTA 435	Hospitality Marketing Management.....	3	—
_____ Select	Elective	3	—
		12	13

¹ Offered all 3 semesters.

² Offered fall semesters only.

³ Offered spring semester only.

* Prerequisite for CHEM 140A.

** Requires MATH 108 as prerequisite plus override.

*** Offered Intersession ONLY (AND usually fills first day of registration).

Post-Baccalaureate Preparation

Students in dietetics are required by the Accreditation Council for Education in Nutrition and Dietetics (ACEND) to complete a post-baccalaureate internship in addition to their undergraduate academic work. This requirement allows students to gain applied experience in a professional environment while being supervised by Registered Dietitians. Students who successfully complete the academic and experiential components are eligible to write the Registration Examination for Dietitians. A successful examinee becomes a registered dietitian and is entitled to use the initials “R.D.” to signify professional competence.

Representative First Job Titles

Dietitian, nutritionist, nutrition educator, food service manager/director, nutrition specialist, and staff dietitian.

Industrial Technology

College of Engineering
(Bachelor of Science)

Dr. Mandara Savage, Chair
D105 Engineering Building
Telephone: (618) 536-3396
E-mail: msavage@engr.siu.edu
<http://www.engr.siu.edu/tech/>

The B.S. degree program in industrial technology with a specialization in manufacturing meets the needs of students preparing for careers as management-oriented technical professionals in the economic enterprise system.

The industrial technology program has three themes. Students become familiar with the theories, concepts, and principles found in the humanities, social and behavioral sciences and acquire a thorough grounding in communications skills. They learn to understand, apply principles, concepts of mathematical and physical sciences. They learn to use concepts and current skills in a variety of technical disciplines that include six sigma, lean manufacturing, robotics, processes, computer-aided manufacturing, quality control, motion and time study, plant layout, project management, industrial safety, production and inventory control, human relations, and geometric dimensioning and tolerancing.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Core Biological Science	—	3
_____ Select	Social Science ¹ (Psychology) ²	6	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 111, IT 110	Pre-Calculus ³ , Geometric Dimensioning and Tolerancing (GD&T)	4	3
_____ MATH 140/IT 307	Short Course in Calculus or Applied Calculus for Technology	—	3-4
_____ UCOL 101, Select	Foundations of Inquiry and Fine Arts	3	3
		16	15-16
<i>Second Year</i>		Fall	Spring
_____ IT 392, Select	Facilities Planning and Technical Electives	3	3
_____ SPCM 101, IT 375	Introduction to Oral Communication and Production and Inventory Control	3	3
_____ Select	Human Health	2	—
_____ IT 208, Select	Fundamentals of Manufacturing Processes and Technical Elective	3	3
_____ PHYS 203A,B, 253A,B	College Physics ³	4	4
		15	13
<i>Third Year</i>		Fall	Spring
_____ Select, IT 305	Social Science and Industrial Safety	3	3
_____ IT 390, PSYC 323	Cost Estimating and Psychology of Employee Relations	3	3
_____ IT 445	Computer Aided Manufacturing	—	3
_____ Select	Technical electives and free electives	6	3
_____ Select	Integrative Studies and Humanities	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ IT 465	Lean Manufacturing	—	3
_____ IT 455, 450	Project Management and Industrial Robotics	3	3
_____ IT 470A,B	Six Sigma Green Belt	3	3
_____ Select	Technical electives and free electives	9-10	6
		15-16	15

¹ See University Core Curriculum.

² Recommended not required.

³ Substitutes for University Core Curriculum.

Industrial Technology (Manufacturing) as a Major

Community college occupational and technical credits from courses such as electronics technology, management, marketing, mechanical technology, metals technology, plastics, transportation, building construction, and architectural drafting may be applicable towards degree requirements, permitting students to obtain a B.S. degree in a minimum length of time. The recommended guidelines for the bachelor's degree are met through the completion of 28 semester hours in the Industrial Technology core, 41 semester hours in the University Core, and 51 semester hours in the Manufacturing Technology Specialization.

The courses required for transfer students with associate in applied science degrees from an occupational program are dependent on the student's previous program. For the manufacturing specialization, 30 hours in the industrial technology curriculum must be taken at SIUC. A Capstone Option may be available in the industrial technology degree program. Students' Capstone Option applications must be on file by the end of their first semester at SIUC. Additional qualification requirements are detailed in this catalog under Capstone Option.

Career Opportunities

Employment opportunities for graduates are excellent, permitting a wide choice of initial positions and flexibility for later job promotion or transfer. Federal statistics show that the need for technologists and related workers will continue. All types of industry have positions associated with six sigma, lean manufacturing, production planning and scheduling, process design, quality control, methods analysis, personnel supervision, project management, facility planning, cost estimating, maintenance supervision, and other manufacturing-related functions.

Representative First Job Titles

Manufacturing manager, production planning and control specialist, quality engineer, safety manager, first line supervisor, operations planner, marketing support manager, industrial engineer, plant location manager.

Information Systems Technologies

College of Applied Sciences and Arts
(Bachelor of Science)

Belle Woodward, Interim Director
School of Information Systems & Applied Technologies
106 Applied Sciences and Arts Building
Telephone (618) 453-7253

Elaine Atwood, Academic Advisor
(618) 453-7200

E-mail: atwood@siu.edu
<http://isat.siu.edu>

The B.S. degree in information systems technologies (IST) prepares students for careers in a wide variety of work settings that rely on end-user computerized information technologies. Many of the courses are hands-on computer activities related to applications software, networking communications, computer troubleshooting, and maintenance.

The IST curriculum is based on input from business and industry professionals, educators, national associations, and potential employers. The IST bachelor's degree follows the Organizational and End-User Information Systems (OEIS) model curriculum. Nine required courses are taken from the nationally recommended curriculum. Ten courses (30 semester hours) constitute major departmental approved electives to accommodate the student's specific interest such as programming, networking, security; web development, systems analysis, and IT project management.

Students in the IST program have access to a variety of computer equipment and support services in many on-campus computer learning centers. SIU Carbondale's newest computer laboratory is located in the same building as the College of Applied Sciences and Arts and in close proximity to most of the IST classrooms and faculty offices. The computers in all wireless centers are networked allowing students free and unlimited access to e-mail and the Internet.

All applicants must satisfy standard University baccalaureate entrance requirements in order to be admitted to the University and included in the Information Systems Technologies (IST) major. Enrollment in the Information Systems Technologies program will be based upon the selective admissions criteria noted below. High school graduates will be evaluated on ACT results and class rank. Any student transferring from outside the University or from other SIUC programs into the Information Systems Technologies major will be evaluated on a required 2.5 GPA as calculated by SIUC.

The IST degree is compatible with two-year associate degrees (A.S., A.A., or A.A.S.) offered at community colleges. Students with an A.S. or A.A. will enroll in IST career courses and advance to IST major courses at SIU Carbondale. This degree is especially compatible with associate in applied science (A.A.S.) degrees in areas such as computer information processing, business, or various applications. Students with related A.A.S. degrees will complete University Core Curriculum courses and advanced IST major courses. All previous course work and work experience will be evaluated for course credit upon completion of the required forms.

Students with an A.A.S. may qualify for the Capstone Option. Please refer to the current SIU Carbondale undergraduate catalog for information about articulation agreements and the Capstone Option.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ISAT 229	Computing for Business Administration.....	3	—
_____ ISAT 120	Fiscal Aspects of Applied Sciences and Arts	3	—
_____ ENGL 101, 102	English Composition I and English Composition II	3	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ ECON 113/PSYC 102/	Economics of Contemporary Social Issues or Introduction to Psychology		
_____ SOC 108	or Introduction to Sociology	3	3
_____ ISAT 121	Install and Upgrade.....	—	3
_____ Select	Mathematics ¹	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ IST 209	Introduction to Programming	3	—
_____ IST 232	Systems Analysis and Design Tools	—	3
_____ ISAT 224	LAN Installation and Administration	—	3
_____ Select	Fine Arts ¹	3	—
_____ Select	Humanities ¹	—	3
_____ PHIL 104/105	Ethics or Elementary Logic.....	3	—
_____ Select	Human Health ¹	—	2
_____ Select	Science ¹	—	3
_____ Select	Approved Departmental elective	3	—
_____ ISAT 125	Optimizing, Trouble-Shooting Operating Systems.....	3	—
		15	14
<i>Third Year</i>		Fall	Spring
_____ IST 334	Database Design and Processing.....	3	—
_____ IST 336	Web-based Applications in Information Systems	3	—
_____ IST 314	Ethical and Legal Issues in IT	3	—
_____ IST 370	Intro to Oracle.....	—	3
_____ ISAT 365	Data Applications and Interpretation	—	3
_____ ISAT 366	Applications of Technical Writing	—	3
_____ Select	Science ¹	—	3
_____ Select	Approved Department Electives	6	3
		15	15

<i>Fourth Year</i>		Fall	Spring
_____ IST 412	IS: Analysis and Design	3	—
_____ IST 415	Cases in Information Systems Technology	—	3
_____ ISAT 419	Occupational Internship	—	4
_____ Select	Multicultural ¹	—	3
_____ Select	Approved departmental electives	12	6
		15	16

¹ See University Core Curriculum.

Information Systems Technologies Approved Major Electives

Note: IST approved major elective courses may be selected from the following list. Some of the approved major electives may be transferred in, if approved, from another institution. The department adviser and faculty will assist in recommending courses to match the student's particular interest. The adviser must approve any substitution of courses outside this list.

_____ AD 219	Beginning Digital Art and Design
_____ AD 332-3	Computer Graphics
_____ IST 240-3	Desktop Publishing Applications
_____ IST 312-3	Programming II
_____ IST 350-1	Technical Career Subjects
_____ ISAT 360-3	Network Security
_____ IST 403-3	Client-Side Web Development
_____ IST 404-3	Information Technology Project Management
_____ IST 405-3	Server-Side Web Development
_____ IST 406-3	Adaptive Technologies and Access Web Design
_____ IST 426-3	Application Development Environments (Advanced Visual Basic)
_____ IST 436-3	Advanced Web Application Development
_____ IST 446-3	Software Engineering and Management
_____ IST 470-3	Oracle Database Administration
_____ ISAT 316-3	Information Assurance
_____ ISAT 335-3	Wide Area Network Administration
_____ ISAT 340-3	Intro to Video Game Design and Industry
_____ ISAT 392-3	Special Projects in Security
_____ ISAT 411-3	Info Storage and Management
_____ ISAT 415-3	Enterprise Network
_____ ISAT 416-3	Advanced Enterprise Network

Representative First Job Titles

Graduates of the Information Systems Technologies degree program have obtained the skills necessary to begin a career in one of many exciting technology areas. Graduates are commonly hired for job titles such as network administrator, systems analyst, information security specialist, support technician, web application developer, and database administrator. Entry-level salaries range from \$35,000 to \$65,000.

Interior Design

College of Applied Sciences and Arts
(Bachelor of Science)

Melinda La Garce, Program Director
School of Architecture
417 Quigley Hall
Telephone: (618) 453-3734
E-mail: mlagarce@siu.edu
<http://www.architecture.siu.edu/>

The Interior Design program is continually responsive to the demands and standards of qualification for the profession and its related fields. The program is accredited by the Council for Interior Design Accreditation, Grand Rapids, MI 49503-2822, (616)-458-0400. A four-year curriculum is offered resulting in a Bachelor of Science degree in Interior Design that is a CIDA Accredited Professional Level Program.

Students receive a comprehensive, interdisciplinary education in preparation for design and administrative positions in the fields of commercial, corporate, healthcare, hospitality, retail, and residential design. After passing the National Council for Interior Design Qualification (NCIDQ) Exam, graduates of the program will be qualified to practice professionally in a wide range of positions with interior design and architecture firms, corporations, government agencies, or independently.

To support students in their educational endeavors, sophomores, juniors and seniors are provided dedicated studio space. Program facilities include a resource library, model/furniture shop, digital fabrication lab, and a computer graphics laboratory with access to input/output devices. Each student is required to purchase or lease a laptop computer and software that meet program specifications prior to the start of the 200-level courses.

Students are encouraged to participate in profession-related student organizations, which include the American Society of Interior Designers, International Interior Design Association, Illuminating Engineering Society, and U.S. Green Building Council. Other activities designed to enhance the overall quality of education include the University Honors Programs, travel study programs, workshops and guest lectures, and Residence Hall Living Learning Communities.

All applicants must satisfy standard University baccalaureate entrance requirements in order to be admitted into the University and included in the interior design applicant pool. Enrollment in the interior design program is based upon enrollment management criteria. Transfer and change of major students are evaluated on grade point average as calculated by Southern Illinois University Carbondale.

If a student receives a grade of *F* three times in the same course, the course cannot be taken again. Students cannot repeat Interior Design prefix courses in which they received a grade of *C* or better.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ID 121, 122	Design Communication I and II	4	4
_____ ENGL 101, 102	English Composition I and II	3	3
_____ HIST 101A,B	The History of World Civilization ¹	3	3
_____ UCOL 101, Select	Foundations of Inquiry and University Core ²	3	2
_____ MATH 111, SPCM 101	Precalculus ³ , Intro to Oral Communication	4	3
		17	15
<i>Second Year</i>		Fall	Spring
_____ ID 231, 232	Architectural History I and II	3	3
_____ ID 251, 252	Design I: Concept and Design II: Order	4	4
_____ ID 271, 242	Computers in Architecture and Building Technology I: Wood	3	3
_____ PHYS 203A	College Physics ³	3	—
_____ PHYS 253A	College Physics Laboratory	1	—
_____ Select, Select	University Core ²	3	3
		17	13
<i>Third Year</i>		Fall	Spring
_____ ID 361	Interior Design Programming I	3	—
_____ ID 372, 374	Interior Construction and Materials and Specification	—	6
_____ ID 331	History of Interior Design	3	—
_____ FDM 241, ID 382	Textiles I and Environmental Design II	3	3
_____ ID 351	Furniture Design	3	—
_____ ID 391, 392	Design III Context and Design IV Complexity	4	4
		16	13
<i>Fourth Year</i>		Fall	Spring
_____ ID 471, ID 432	Professional Practice I and Interior Design Seminar	3	3
_____ ID 481, AD 207A,B or C	Environmental Design II: Energy and Systems and Art History I, II, or III	3	3
_____ ID 451, Select	Interior Design Programming II and University Core ²	3	6
_____ ID 491, 492	Design V: Corporate and design VI: Integration	4	4
		13	16

¹ Required University Core Curriculum courses for interior design majors.

² See University Core Curriculum.

³ Three hours substitute for university core requirements. Remaining hour is applied toward major.

Transfer students should concentrate on completing UCC courses since major courses should be taken at SIU Carbondale. Because of required sequences of laboratory/studio classes in interior design, community college transfer students who have completed an associate degree will require three years of additional study to complete the baccalaureate degree.

Representative Career Options

Traditional interior design practice includes corporate, residential, hotel, restaurant, retail store/shopping mall, healthcare, education, public, government, entertainment facility design, facility management, corporate and managerial positions, and sole-proprietorships; and related-profession opportunities in architecture, landscape design, set and theatrical design, product/industrial design, event design, art, photography, and more.

International Studies

College of Liberal Arts
(Bachelor of Arts)

Dr. David M. Johnson, Director
2066 Faner Hall
Telephone: (618) 536-5571
<http://languages.siu.edu>

The B.A. degree program in International Studies meets the objectives of students considering careers that benefit from an international perspective by providing knowledge of comparative global and international issues, ability to communicate in a foreign language, an understanding of other cultures, as well as a deeper acquaintance with a particular region.

This multidisciplinary program features five components: an introductory seminar, 15 semester hours of global and international comparative issues courses, 15 semester hours of courses in a regional focus, foreign language competency (advanced level), and a senior project as a capstone course. The regional focus is chosen from one of the four following geographic areas: Africa and the Middle East, Asia and the South Pacific, Europe, or Latin America and the Caribbean. Foreign language competency is developed in a language spoken in the region of focus.

Study abroad is strongly recommended in the region of focus and up to six semester hours of study abroad may substitute for courses in the Regional Focus component.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, FL 105	Foundations of Inquiry <i>and</i> Introductory Seminar.....	3	1
_____ Select	100-level Foreign Language.....	4	4
_____ ENGL 101, 102	English Composition I <i>and</i> II	3	3
_____ Select	Social Science ¹	3	3
_____ Select	Humanities ¹	—	3
_____ SPCM 101, Select	Intro to Oral Communication <i>and</i> Human Health ¹	3	2
		16	16
<i>Second Year</i>		Fall	Spring
_____ Select	200-level Foreign Language.....	4	4
_____ Select	Global and International Comparative Issues ²	3	3
_____ FL 301I, Select	Cross-Cultural Orientation <i>and</i> Math ¹	3	3
_____ Select	Science ¹	3	3
_____ Select	Fine Arts ¹ <i>and</i> Elective	3	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	300-level Foreign Language.....	3	3
_____ Select	Global and International Comparative Issues ²	3	3
_____ Select	Regional Focus ²	6	3
_____ Select	Electives.....	3	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ FL 492	Senior Project	—	1
_____ Select	Global and International Comparative Issues ²	3	—
_____ Select	Regional Focus ²	3	3
_____ Select	Multicultural ¹ <i>and</i> Electives	3	3
_____ Select	Electives.....	6	6
		15	13

¹ See University Core Curriculum.

² See International Studies undergraduate catalog description.

International Studies as a Major

The degree program in International Studies provides its graduates with an understanding of comparative international issues, intercultural skills, meaningful proficiency in a foreign language, and preparation for citizenship, both local and global.

No grade lower than C will be accepted for any course required by the major. Majors must maintain a 2.50 grade point average overall throughout the program.

Representative First Job Titles

Peace Corps volunteer, government service officer, foreign service officer, international affairs representative, international relations specialist, business administrator, professionals in areas including international law, finance, education, public policy, the arts, communications, medical preparation, public service, international development agencies, non-governmental organizations, businesses and philanthropic agencies.

Journalism

(Advertising)
(News-Editorial)
(Photojournalism)
(New Media News Production)
(Sports Media)

College of Mass Communication and Media Arts
(Bachelor of Science)

William H. Freivogel, Director
1202 Communications Building
Mailcode 6601

Telephone: (618) 536-3361
<http://www.siu.edu/departments/journal/>

The B.S. program in the SIU Carbondale School of Journalism helps students prepare for positions of responsibility in advertising and related marketing communications fields, news-editorial journalism, photojournalism, new media news production, sports media and other fields in which the ability to communicate is essential. The School of Journalism also helps students prepare for graduate studies in mass communication, the social sciences, and law.

The School of Journalism at SIU Carbondale occupies a national leadership role in mass communication education, with a comprehensive program combining the liberal arts with the practice of journalism in modern society. After completing the University's liberal arts core, undergraduate students learn—in college-wide core courses—about the integral connections between the various components of today's mass media. Through their major courses, students acquire the specific skills necessary to become professionals in advertising, news-editorial, photojournalism, new media production, and other communication fields. Students are encouraged to develop in-depth knowledge by completing the requirements of a structured minor in a subject area outside the college.

Students in the *advertising specialization* learn to analyze problems in the promotion of goods and services and identify solutions. They develop skills in verbal and visual communication and presentation of materials. Students will prepare to enter a wide variety of positions with marketing communications firms—including advertising, sales promotion, public relations, sports communication and promotion, and direct marketing agencies—in communications media, and with retail or manufacturing firms.

As the communication revolution expands, the need increases for individuals with the ability to prepare and present news and information precisely and accurately for a variety of media. Students in the news-editorial specialization receive practical training in the theory and practice of identifying, gathering, processing, interpreting, writing, and presenting news for traditional print (politics, sports, entertainment, etc.) and broadcast/cable media and for new computer-based media. The program prepares students for professions in which the ability to communicate to a mass audience is essential.

The *photojournalism specialization* is the only full-scale photojournalism program in the state. The photojournalism program remains on the cutting edge by integrating traditional photojournalism instruction in a digital environment with new media skills in website development, audio and video production. Students graduate with the full package of skills required by today's industry and a thorough understanding of the theory and ethical considerations necessary to succeed in today's media landscape.

The *new media news production specialization* is designed to give students a high level of competence to function as content developers, a strong sense of aesthetics and design, more hands-on technical instruction, and a deep understanding of the principles of networked audio/visual communication used in the print and electronic media. Students in this specialization will also choose either an editorial or persuasive (advertising) emphasis within the curriculum to focus their developing skills in digital communication.

The proliferation of sports programming in both traditional and new media is triggering an increasing demand for graduates with sports production, sports promotion and sports journalism backgrounds. The School of Journalism and the Radio, Television, & Digital Media Department have joined forces to establish specializations in both academic units. The School of Journalism's *sports media specialization* has two tracks. One prepares students for sports reporting, the other for sports promotion. The reporting track includes new sports courses and the essentials from the news/editorial specialization. The promotions track adds new sports courses to the essentials of the advertising specialization.

Undergraduates are urged to enter the School of Journalism as freshmen to obtain the advantage of journalism advisement.

Strong skills in the use of the English language are required to enter the first writing course, JRNL 302 or JRNL 310. Students may demonstrate proficiency in the use of the English language with an English ACTE subscore of 22 or higher or by earning grade of C or higher in JRNL 201.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ ENGL 101, 102	Composition I and II ¹	3	3
_____ UCOL 101, Select	Foundations of Inquiry and Mathematics ¹	3	3
_____ Select	Humanities ¹	3	3
_____ Select	Human Health ¹	2	—
_____ Select	Social Science ¹	—	3
_____ SPCM 101, JRNL 201	Introduction to Oral Communication and Writing Across Platforms	3	3
		14	15
Second Year		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Multicultural ¹ and Social Science ¹	3	3
_____ Select	UCC Fine Arts ¹ and Non-Mass Comm elective	3	3
_____ JRNL 202	Creativity Across Platforms	3	—
_____ Select	Major courses	3	6
		15	15

<i>Third Year</i>		Fall	Spring
_____ Select	Journalism major courses	6	6
_____ Select	Non-Mass Comm courses	10	6
_____ Select	Minor courses	—	3
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Journalism major courses	6	6
_____ Select	Non-Mass Comm courses/minor courses TBD	3	6
_____ Select	Minor courses/electives TBD	6	3
		15	15

¹ See University Core Curriculum.

Journalism as a Major

In addition to the University Core Curriculum courses, the academic requirements for a B.S. degree in journalism include 39 semester hours in journalism course work approved by the school, 72 credits outside mass-communications and completion of a minor approved by the School. Outside mass-communication credit requirements are part of the Accrediting Council on Education in Journalism and Mass Communications standards, which accredits the School of Journalism at SIU (see page the front section under *Accreditations* for addresses and phone numbers of national accrediting agencies).

Students at community colleges are encouraged to complete University Core Curriculum courses and earn electives in areas of interest.

Students must take 30 hours of journalism at SIU Carbondale. Transfer students should contact the School of Journalism for transfer course information. The student, with the assistance of the journalism academic adviser, should exercise care in course selection to assure that these requirements are met.

Graduate studies are also possible through the College of Mass Communication and Media Arts.

Representative First Job Titles

Advertising agency account executive, advertising copywriter, advertising layout artist, advertising production director, advertising salesperson, assignment editor, online/website manager, online/website design specialist, new media content manager/coordinator, cable communication coordinator, copy editor, editor, feature writer, graphic designer, magazine production and design specialist, magazine writer, sports marketing and promotions, sports writer media account executive, media planner, media researcher, news editor, photographer, photojournalist, newsletter specialist, public relations representative, public opinion researcher, reporter, retail advertising director, sports reporter, telecommunications consultant.

Kinesiology

(Physical Education Teacher Education Major)
College of Education and Human Services
(Bachelor of Science)

Jaci Chapman, Academic Adviser
122 Wham Education Building
Telephone (618) 453-6315

Dr. William Vogler, Chair
106 Davies Hall
Telephone (618) 536-2431
<http://www.coehs.siu.edu/public/kines>

The B.S. degree program in Physical Education Teacher Education meets the objectives of students considering positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges, and universities, as well as other social agencies that promote physical activity programs. Courses have been designed to meet the requirements of state departments of education and other agencies that have adopted professional standards.

Complete and integrated experience in teaching physical education and assisting in coaching under qualified supervisors is provided in the cooperating schools of the area. Added experiences are gained through membership in professional associations, participation on intramural teams, assisting in service class testing, professional journals, and working with recreational and school groups in teaching techniques of various activities.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ KIN 113, PSYC 102	Aquatics <i>and</i> Introduction to Psychology	2	3
_____ KIN 116, 120	Team Sports <i>and</i> Individual Sports and Activities	3	3
_____ SPCM 101, MATH 101	Intro to Oral Communication <i>and</i> Intro to Contemporary Mathematics.....	3	3
_____ KIN 118, Select	Rhythms and Dance <i>and</i> UCC Humanities	2	3
		<u>16</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ KIN 201, 220	Concepts of Physical Fitness <i>and</i> Teaching Individual Sports	3	3
_____ KIN 216, 320	Teaching Team Sports <i>and</i> Exercise Physiology	3	3
_____ Select	UCC Humanities ¹	—	3
_____ Select	UCC Fine Arts ¹	3	—
_____ KIN 205, EDUC 311	Instructional Strategies in Physical Education <i>and</i> Diversity, Culture, & Ed.....	3	3
_____ PHSL 201, KIN 300	Human Physiology <i>and</i> Musculoskeletal Anatomy	4	3
		<u>16</u>	<u>15</u>

¹ See University Core Curriculum.

² Immediately after completing 30 hours of college credit including ENGL 101 and 102 with a grade of C or better, with an overall GPA of 2.5 (4.0=A) or higher, students should apply to the SIU Carbondale College of Education and Human Services physical education teacher education program.

Physical Education Teacher Education as a Major

The major in physical education teacher education is preparation for a traditional career as a physical educator. In addition to the teacher education sequence, which culminates in a semester of student teaching, students are encouraged to pursue endorsements in additional teaching areas. It is also possible to seek certification to coach in public school athletic programs. Graduates with the physical education teacher education major meet the certification requirements of the Illinois Office of Education and those of many other states.

Students interested in this program should become familiar with the requirements for entering the physical education teacher education program. A minimum GPA of 2.75 is required.

A secondary concentration (the student may select the area) is recommended. Minors are available in aquatics and coaching. See the current SIUC undergraduate catalog for specific major requirements.

Transfer Students

Transfer students planning to complete the physical education teacher education program are encouraged to contact SIUC College of Education and Human Services, Student Services, Student Services at least one semester prior to enrolling at SIUC.

Kinesiology

(Exercise Science Major)
College of Education and Human Services
(Bachelor of Science)

Academic Adviser
122 Wham Education Building
Telephone (618) 453-6315

Dr. William Vogler, Chair
106 Davies Hall
Telephone (618) 536-2431
<http://www.coehs.siu.edu/public/kines>

The B.S. degree program in Exercise Science meets the objectives of students who hope to direct fitness programs in private, industrial, and public settings. Preparation in this program enables the graduate to assess components of adult fitness, design individual exercise programs for the development and maintenance of physical fitness, and manage a physical fitness program. Graduates will have the foundation for continued study at the graduate level.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ MATH 108	College Algebra ²	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ HND 101	Personal Nutrition	—	2
_____ KIN 201	Physical Fitness	3	—
_____ PHSL 201, 208	Human Physiology and Laboratory Experiences in Physiology	—	4
_____ PSYC 102	Introduction to Psychology	3	—
_____ ZOOL 115	General Biology	3	—
_____ SPCM 101	Intro to Oral Communication	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹	—	3
_____ ACCT 210	Accounting Principles	3	—
_____ CHEM 140A, B	Chemistry	4	4
_____ CS 200B	Computer Concepts	—	3
_____ KIN 300, 320, 313	Musculoskeletal Anatomy, Exercise Physiology and Motor Behavior	6	3
_____ KIN 324, Select	Essentials of Athletic Injury Management and Social Science	3	3
		16	16

¹ See University Core Curriculum.

² See Advanced University Core Curriculum.

NOTE: The following courses will be completed during the third and fourth years to fulfill the university core curriculum: 3 hours of humanities, 3 hours of social science, and 6 hours of integrative studies.

Kinesiology

(Sport Administration Major)
College of Education and Human Services
(Bachelor of Science)

Academic Adviser
122 Wham Education Building
Telephone (618) 453-6315

Dr. William Vogler, Chair
106 Davies Hall
Telephone (618) 536-2431
<http://www.coehs.siu.edu/public/kines>

This major is designed for students who are interested in working in various administrative areas in the realm of sport. Students are exposed to the economic, financial, legal, ethical, managerial, sociological, and psychological aspects of sport. Job opportunities exist at the professional, intercollegiate, interscholastic, community, and youth levels within the growing sport industry.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	3	—
_____ Select	Humanities ¹	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ PSYC 102	Introduction to Psychology.....	3	—
_____ Select, SPCM 101	UCC Science (GR 1) <i>and</i> Intro to Oral Communication.....	3	3
_____ MATH 101/108	Introduction to Contemporary Mathematics <i>or</i> College Algebra.....	—	3
_____ KIN 201	Concepts of Physical Fitness	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ Select, SPCM 280	UCC Science (GR 2) <i>and</i> Business and Professional Communication	3	3
_____ Select	Electives	3	3
_____ ACCT 210	Accounting Principles.....	3	—
_____ KIN 210, CS 200B	Diversity in American Sport <i>and</i> Computer Concepts	3	3
_____ PHIL 104, ECON 240	Ethics <i>and</i> Introduction to Microeconomics.....	3	3
_____ KIN 360	Introduction to Sport Administration.....	—	3
		<u>15</u>	<u>15</u>

¹ See University Core Curriculum.

Linguistics (Theoretical)

College of Liberal Arts
(Bachelor of Arts)

UG Linguistics Director
3234 Faner Hall
Telephone: (618) 536-3385
<http://www.linguistics.siu.edu/>

The B.A. degree program in linguistics presents an introduction to the nature of language as a human activity. The methodology of linguistics has been adopted by fields as diverse as anthropology, law, psychology, and computer science, where linguists contribute to the design of speech synthesizers, computer speech understanding systems, and natural language processing.

Linguistic theory deals with issues such as: How much of language is learned and how much is determined by the innate structure of the human mind? How and why do languages change? How and why do people talk differently in different parts of a country?

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Core Curriculum.....	3	3
_____ Select	Core Curriculum.....	3	3
_____ Select	Core Curriculum.....	—	—
_____ Select	Social Science.....	3	3
_____ ENGL 101/LING 101	Composition I <i>or</i> English Composition I for ESL Students	—	3
_____ ENGL 102/LING 102	Composition II <i>or</i> English Composition II for ESL Students	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ LING 200, 104	Language, Society and the Mind <i>and</i> Grammar in Language	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Core Curriculum.....	3	3
_____ Select	Core Curriculum.....	3	3
_____ Select	Core Curriculum.....	3	3
_____ LING 300, Select	Introduction to Descriptive Linguistics <i>and</i> Elective.....	3	3
_____ Select	Foreign Language (LING 480A,B)	4	4
		16	16
<i>Third Year</i>		Fall	Spring
_____ LING 402	Phonetics.....	3	—
_____ LING 405	Phonological Theories	—	3
_____ LING 408	Syntactic Theory.....	—	3
_____ Select	Linguistics elective.....	3	—
_____ Select	CoLA Writing.....	3	3
_____ Select	CoLA Writing.....	—	3
_____ Select	Electives.....	6	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ LING 406	Introduction to Historical Linguistics.....	—	3
_____ Select	Linguistics electives	6	3
_____ Select	Electives.....	9	9
		15	15

Representative First Job Titles

ESL teacher, natural language software developer, archival worker, market research analyst, legal consultant.

Linguistics - ENL

College of Liberal Arts
(Bachelor of Arts)

UG Linguistics Director
3234 Faner Hall
Telephone: (618) 536-3385
<http://www.linguistics.siu.edu/>

The English as a New Language track in Linguistics focuses on teaching in an ESL or Bilingual classroom. More than a million new teachers will be needed in the U.S. during the next decade or so, and many of them will need background in teaching new speakers of English.

The B.A. with specialization in ESL/Bilingual Education consists of 30 credit hours in linguistics courses. Students must also satisfy the departmental foreign language requirement of either one year of a language that is structurally significantly different from English or two years of any language (or equivalent).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Core Curriculum	3	3
_____ Select	Core Curriculum	3	3
_____ Select	Core Curriculum	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, LING 101	Composition I or English Composition I for ESL Students.....	3	—
_____ ENGL 102, LING 102	Composition II or English Composition II for ESL Students.....	—	3
_____ LING 331	Pedagogical Grammar	3	3
_____ LING 201	Language Diversity in the USA	—	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Core Curriculum	3	3
_____ Select	Core Curriculum	3	3
_____ Select	Core Curriculum	3	3
_____ Select	Foreign Language (LING 480A,B).....	4	4
_____ LING 300, Select	Introduction to Descriptive Linguistics and Elective.....	3	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ LING 353	Theory and Methods of TESOL	3	—
_____ LING 340	Second Language Acquisition	—	3
_____ LING 341	Introduction to Intercultural Communication	—	3
_____ Select	Linguistics elective	3	—
_____ Select	CoLA Writing	3	3
_____ Select	CoLA Writing.....	—	3
_____ Select	Electives	6	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ LING 472	Second Language Assessment	3	—
_____ Select	Linguistics electives.....	3	6
_____ Select	Electives	9	9
		15	15

Linguistics as a Major

The B.A. with specialization in ESL/Bilingual Education consists of 30 credit hours and combines intensive study of the English language with pedagogical methods. Students planning to teach in secondary schools should consult the teacher education program admission requirements.

Transfer Students

Transfer students planning to complete the teacher certification program are encouraged to contact the College of Education and Human Services, Student Services Office at least one semester prior to enrolling at SIU Carbondale.

Management

(General Management)
(Entrepreneurship)
(Global E-Business)
(Supply Chain Management)
(Personnel Management)
(Management of Health-Care Enterprises)
College of Business
(Bachelor of Science)

Peter P. Mykytyn, Jr., Chairperson

214 Henry J. Rehn Hall

Telephone: (618) 453-3307

<http://www.business.siu.edu/academics/dept/management/>

Management is the process of setting overall direction and objectives for an organization and determining policies for the efficient acquisition and application of human and physical resources. Successful managers exert leadership to achieve unity, consistency, and continuous improvement in performance; support efficiency and innovation; and develop and motivate personnel.

The B.S. degree program in management meets the objectives of students interested in professional positions as members of industry or government management teams. Building on fundamental knowledge developed in core courses and a restricted set of electives, students can select from a variety of other courses to gain in-depth knowledge about their own areas of interest.

The curriculum prepares students by emphasizing the knowledge, tools, and techniques used by professional managers. The courses impart technological and human resources management skills, preparing students for success in managing modern organizations. Students may choose from six specializations: *general management*, which prepares students to make and implement decisions through which people and organizations can work toward a common goal; *entrepreneurship*, which prepares students for the risks and rewards of independent ventures; *global e-business*, which prepares students to operate and compete in a global arena centered on web-based E-commerce technologies that involve transacting business and collaborating with customers, employees, and business partners; *supply chain management*, through which students learn how to efficiently manage the flow of materials, goods, services, and information throughout the value chain, from suppliers to customers; *personnel management*, which trains students in managerial strategies and programs for making the most effective use of the skills and abilities of organizational personnel; and *management of health-care enterprises*, which focuses on the application of sound principles of management and leadership to the effective operation of health care facilities and health service organizations.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	3	—
_____ Select	Human Health ¹	—	2
_____ Select	Science ¹	3	3
_____ *ENGL 101, 102	Composition I and II ¹	3	3
_____ *MATH 108	College Algebra ² or Approved Elective ⁴	3	—
_____ *MATH 140	Short Course in Calculus ²	—	4
_____ *PSYC 102/SOC 108	Introduction to Psychology ^{3,7} or Introduction to Sociology ³	—	3
_____ UCOL 101	Foundations of Inquiry for Business	3	—
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	—
_____ *SPCM 101	Introduction to Oral Communication	3	—
_____ *ACCT 220	Financial Accounting	3	—
_____ *ACCT 230	Managerial Accounting	—	3
_____ *ACCT 208/MGMT 208	Business Data Analysis	—	3
_____ FIN 270	The Legal and Social Environment of Business ⁵	—	3
_____ *ECON 240, 241	Introduction to Micro and Macroeconomics ³	3	3
_____ *ENGL 291	Intermediate Technical Writing	—	3
_____ *MATH 139	Finite Mathematics ²	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	Integrative Studies ¹	—	3
_____ BUS 302	Business Career Transitions	2	—
_____ FIN 330	Introduction to Finance	3	—
_____ MGMT 304	Introduction to Management	3	—
_____ MGMT 341	Organizational Behavior	—	3
_____ MGMT 318	Production-Operations Management	—	3
_____ MKTG 304	Marketing Management	—	3
_____ MGMT 345	Management Information Systems	3	—
_____ MGMT 380	Managing Information Systems	—	3
_____ Select	Humanities ¹	3	—
_____ Select	Approved Elective ⁴	2	—
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	300-400 CoB Elective	3	—
_____ MGMT 483	Advanced Production-Operations Management	3	—
_____ MGMT 481	Administrative Policy	—	3
_____ Select	Specialization ⁶	6	6
_____ Select	Approved Electives ⁴	3	5
		15	14

* Required course for a major in the College of Business.

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum mathematics requirement.

³ Fulfills a University Core Curriculum social science requirement.

⁴ 120 semester hours are required for graduation. Approved electives should be selected in consultation with academic adviser to meet this requirement.

⁵ The combination of FIN 280 (Bus Law I) and FIN 380 (Bus Law II) may be substituted for FIN 270 and is highly recommended for accounting majors.

⁶ Major option or major specialization.

⁷ Personnel Management specialization should take PSYC 102.

Third and Fourth Years

It is strongly recommended that the courses listed for the first two years be completed before the junior year. Many of these courses are prerequisites to later requirements. Declared management majors will take upper-level business courses that include the remaining core requirements and 21 semester hours in the management area.

Management as a Major

The department is accredited by the AACSB International—The Association to Advance Collegiate Schools of Business (see page 10 for addresses and phone numbers of national accrediting agencies).

Minor not required. Foreign language not required. Graduate degrees available: Master of Business Administration (M.B.A.), Master of Accountancy (M.Acc.), and Doctor of Philosophy in Business Administration (Ph.D.).

Management as a Minor

A minor in Management consists of a minimum of 15 semester hours, including Management 304, 318, 345, and six credit hours in Management at the 300 level or above. All pre-requisites for the classes must also be satisfied. An advisor within the College of Business must be consulted before selecting this field as a minor.

Technology Fee and Differential Tuition

The College of Business assesses College of Business majors a technology fee of \$6.00 per credit hour for Fall and Spring semesters up to twelve semester hours and Summer up to six semester hours. The technology fee is being phased out and will be subsumed under the differential tuition surcharge (see item below). Consequently, students will be charged either the technology fee or the differential tuition surcharge but not both.

Starting Fall 2008, the College of Business has implemented a differential tuition surcharge of 15% of applicable tuition for declared College of Business majors who are new students. The differential tuition surcharge will be assessed at the in-state tuition rate. If students are charged the differential tuition surcharge, the technology fee (in above item) will not be assessed.

Starting Fall 2008, the College of Business has implemented a “minor program fee” that is equal to 15% of 15 credit hours of applicable tuition for declared College of Business minors. This fee is applicable for new students.

Representative First Job Titles

Management trainee, supervisor, personnel specialist, human resource coordinator, business analysts, business application developers, web designer, operations scheduler, assistant plant manager, office manager.

Marketing

College of Business
(Bachelor of Science)

Dr. Cheryl Burke Jarvis, Chair

229 Henry J. Rehn Hall

Telephone: (618) 453-4341

<http://www.business.siu.edu/academics/dept/marketing/>

Marketing is the process of conceiving, planning and executing the pricing, promotion, and distribution of goods, services and ideas to create exchanges that satisfy both individual and organization objectives.

The B.S. degree program in marketing meets the needs of students planning careers in one of the lively areas of marketing. The program conveys an understanding of the role of marketing in an economic system and in a business organization. Emphasis is on analytical approaches to the creative solution of marketing problems. Courses are designed in a variety of sequences to help meet the needs and interests of students. The sequences are: general marketing administration, international marketing, industrial marketing, sales administration, promotional administration, physical distribution administration, and retail administration.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergradatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Human Health ¹	2	—
_____ Select	Fine Arts ¹	—	3
_____ Select	Science ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ *MATH 140	Short Course in Calculus ²	4	—
_____ *MATH 139	Finite Mathematics ²	—	3
_____ UCOL 101	Foundations of Inquiry for Business	3	—
_____ *PSYC 102/SOC 108	Introduction to Psychology ³ or Introduction to Sociology ³	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	UCC Integrative Studies ¹	3	—
_____ Select	UCC Humanities ¹	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ *ACCT 220	Financial Accounting	3	—
_____ *ACCT 230	Managerial Accounting	—	3
_____ *ACCT/MGMT 208	Business Data Analysis	3	—
_____ *FIN 270	The Legal and Social Environment of Business ⁵	—	3
_____ *ECON 241, 240	Introduction to Macro ⁴ and Microeconomics	3	3
_____ *ENGL 291	Intermediate Technical Writing	—	3
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select	UCC Humanities ¹ and Approved Elective ⁴	3	2
_____ Select	Marketing ⁶	—	3
_____ BUS 302	Business Career Transitions	—	2
_____ FIN 330	Introduction to Finance	3	—
_____ MGMT 304	Introduction to Management	3	—
_____ MGMT 345	Computer Information Systems	—	3
_____ MKTG 304	Marketing Management	3	—
_____ MKTG 305	Consumer Behavior	—	3
_____ MKTG 390	Marketing Research and Analysis (<i>not offered in summer</i>)	—	3
_____ Select	300-400 CoB Elective	3	—
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ MGMT 318	Production Operations Management	3	—
_____ MGMT 481	Administrative Policy	—	3
_____ MKTG 329	Marketing Channels	3	—
_____ MKTG 363	Promotional Concepts	3	—
_____ MKTG 493	Marketing Policies (<i>not offered in summer</i>)	—	3
_____ Select	Approved electives ⁴	3	5
_____ Select	Marketing ⁶	3	3
		15	14

* Required course for a major in the College of Business.

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum mathematics requirement.

³ Fulfills a University Core Curriculum social science requirement.

⁴ 120 semester hours are required for graduation. Approved electives should be selected in consultation with academic adviser to meet this requirement.

⁵ The combination of FIN 280 (Bus Law I) and FIN 380 (Bus Law II) may be substituted for FIN 270 and is highly recommended for accounting majors.

⁷ Major option or major specialization.

Third and Fourth Years

It is strongly recommended that the courses listed for the first two years be completed prior to the junior year. Many of these courses are prerequisites to later requirements. Declared marketing majors will take upper-level business courses that include the remaining core requirements and 24 semester hours in the marketing area.

Marketing as a Major

A grade of *C* or better is required for all marketing majors, in all-marketing courses taken to satisfy major requirements.

Minor not required. Foreign language not required.

Graduate degrees available: Master of Business Administration (M.B.A.), Master of Accountancy (M.Acc.), and Doctor of Philosophy in Business Administration (Ph.D.). The Association to Advance Collegiate Schools of Business International accredits the department.

See the current *Undergraduate Catalog* for a description of the 50-percent rule.

Representative First Job Titles

Advertising Account Manager; Brand Manager; Consultant; Customer Service Representative; Direct Sales Specialist; Distribution Manager; Event Planner; Fundraising Coordinator; Internet Marketing Manager; Manufacturer's Representative; Market Research Analyst; Marketing Manager; Media Relations Manager; Media Sales Representative; Non-Profit Marketing Manager; Public Relations Manager; Purchasing Agent; Retail Manager; Retail Buyer; Sales Associate; Sales Manager; Sales Promotions Coordinator.

Mathematics

College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Building
Telephone: (618) 453-2354
E-mail: bobbo@siu.edu
Department of Mathematics
E-mail: math@math.siu.edu
<http://www.math.siu.edu/>

With interest growing in improving mathematical performance in public schools, this is an exciting and promising time to become a mathematics teacher. Undergraduates who choose to major in mathematics in the College of Education and Human Services can expect to find several job offers when they graduate. Shortages of high school mathematics teachers exist in many parts of the country, and salaries have improved substantially. By selecting appropriate electives, mathematics majors in the College of Education and Human Services may also prepare themselves for positions in industry or business.

The B.S. degree program in mathematics through the College of Education and Human Services meets the objectives of students considering careers in teaching. Students planning to teach in secondary schools should consult the teacher education program admission requirements.

A standard college algebra and trigonometry course is available as one course or as separate courses to incoming freshmen to prepare them for a three-semester sequence in calculus and analytic geometry. Most mathematics students will take an introductory linear algebra course while completing the calculus. Then they will select junior-level courses from those in algebraic structures, analysis, number theory, geometry, differential equations, and probability.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, Select	Foundations of Inquiry and Humanities ²	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 150, 250	Calculus I and II	4	4
_____ Select, MATH 221	Social Science ^{2,3} and Linear Algebra	3	3
_____ Select, PSYC 102	Science ² and Introduction to Psychology ^{2,3}	3	3
		16	16
<i>Second Year</i>		Fall	Spring
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Science Core ⁴	3	—
_____ HED 101/KIN 101	Foundations of Human Health or Current Concepts of Physical Fitness	—	2
_____ EDUC 311	School and Society ³	—	3
_____ EDUC 314	Human Growth, Development, and Learning ³	3	—
_____ CS 202	Introduction to Computer Science	—	4
_____ MATH 251/305	Calculus III or Differential Equations	3	—
_____ MATH 302	Mathematical Communication and Transition to Higher Math	3	—
_____ MATH 483	Mathematical Statistics	—	4
_____ Select	Fine Arts Core ⁴	—	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ EDUC 301, 302	Clinical I and II	1	1
_____ EDUC 313	Introduction to Reflective Teaching Practice ³	3	—
_____ EDUC 319	Language, Culture and Learning	—	3
_____ MATH 300I, 352	History of Mathematics and Theory of Calculus	3	3
_____ MATH 349,335	Introduction to Discrete Mathematics and Concepts of Geometry	3	3
_____ CI 360, Select	Teaching Reading & Writing in the Secondary Content Area and Humanities	3	3
_____ Select	Multicultural ²	—	3
		13	16
<i>Fourth Year</i>		Fall	Spring
_____ EDUC 308, 303; 401	Methods for Teaching Exceptional Children ³ , Clinical III and Student Teaching...	4	12
_____ MATH 319	Introduction to Abstract Algebra	3	—
_____ MATH 311	Teaching of Secondary Mathematics	4	—
_____ Select	Approved 400-level Math	6	—
		17	12

¹ See College of Liberal Arts, and College of Science.

² See University Core Curriculum. University Core Curriculum courses required for teacher certification include ENGL 101, 102 and 121 or 204; SPCM 101; MATH 111 or 150; FL 101, HIST 101A, 101B, PHIL 103A or 103B; HIST 110; AD 101, HIST 201, MUS 103 or THEA 101; POLS 114; CHEM 106, GEOL 110, or PHYS 101; PLB 115, 117, or ZOOL 115; ANTH 202, HIST 202, 210, or SOC 215, HIST 304I, or PHIL 308I; HED 101 or KIN 101.

³ Certification requirement.

⁴ Consult with College of Education and Human Services adviser for appropriate course.

Mathematics as a Major

The B.S. program in the College of Education and Human Services provides a solid background for a career in teaching high school mathematics while preparing students for graduate study in mathematics or for a career in business or industry. As a student in the College of Education and Human Services you will complete the professional education sequence, which stresses early classroom observation and culminates in a semester of student teaching. On graduation you will have met the requirements for teacher certification in Illinois.

It is expedient to complete the following courses during the first two years of study: Math 111, 150, 250, 251, 221, Computer Science 202. For specific major requirements, see the current SIUC undergraduate catalog.

Foreign language is not required for the B.S. degree in education.

Mathematics

College of Liberal Arts
(Bachelor of Arts)

Dr. Gregory Budzban, Interim Chair
Dr. Mary Wright, Undergraduate Program Director
360A Neckers Building
Telephone: (618) 453-5302
E-mail: math@math.siu.edu
<http://www.math.siu.edu/>

The B.A. degree program in mathematics is appropriate for students whose interests outside of mathematics tend toward the social sciences, business, psychology, law, or the humanities. Mathematics can also be a good major for pre-medical and pre-law students.

Students in this program take a secondary concentration of two or three courses in some field in which mathematics is applied, or a minor in some department in the College of Liberal Arts. The mathematical requirements for the Bachelor of Arts and Bachelor of Science degrees are the same.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

		Fall	Spring
<i>First Year</i>			
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Social Science ¹	3	3
_____ Select	Human Health	2	—
_____ ENGL 101, 102	Composition I and Composition II	3	3
_____ MATH 111	Precalculus ²	4	—
_____ CS 202	Introduction to Computer Science	—	4
_____ MATH 150	Calculus I ²	—	4
		15	14
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Humanities ¹ (MATH 300I recommended)	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ MATH 250, 251	Calculus II and III ²	4	3
_____ MATH 221	Introduction to Linear Algebra	3	—
_____ MATH 302/305	Math Communication and the Transition to Higher Mathematics or Differential Equations (<i>recommended for major</i>)	—	3
_____ Select	Additional English composition ³	—	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	Approved 300-400 level mathematics	6	6
_____ Select	Approved secondary concentration	3	3
_____ Select	Multicultural and Fine Arts ¹	3	3
_____ Select	Foreign language ³	4	4
		16	16
<i>Fourth Year</i>		Fall	Spring
_____ Select	Approved 300–400-level mathematics	6	6
_____ Select	Approved secondary concentration	3	—
_____ Select	Approved 300–400-level electives	3	8
_____ Select	Additional Science with lab	3	—
		15	14

* See also the programs (B.S.) under College of Education and Human Services, and College of Science.

¹ See University Core Curriculum.

² Community college students should complete the calculus sequence at their community college.

³ SIUC College of Liberal Arts requires one year of a foreign language and an additional English composition course. For specific courses that satisfy the additional English composition course requirement consult the academic adviser.

Mathematics as a Major

Mathematics is growing and changing. Exciting new problems appear each year, and the variety of career opportunities is constantly increasing. SIUC combines the variety of course work and highly qualified staff available at a large university with small classes and personal attention not available at many large universities. Calculus classes here are taught by experienced professors and average about 30 to 35 students in size. Most upper-division courses have 15 to 20 students.

Students will plan their advanced-level course programs together with their mathematics faculty advisers. One course from each of four areas will introduce the main branches of mathematics. Selection of at least five additional courses will depend on students' particular interests, which may be in mathematical research, or teaching, or in business applications, science and technology, statistics, actuarial science, or computer science.

For many mathematics students, we recommend a minor in computer science or even a double major in mathematics and computer science.

A full range of graduate programs is available in mathematics and related fields.

Representative First Job Titles

Systems analyst, actuarial trainee, mathematician, operations research analyst, statistician, computing analyst, research mathematician, mathematical programmer, technical sales representative.

Mathematics

College of Science
(Bachelor of Science)

Dr. Gregory Budzban, Interim Chair
Dr. Mary Wright, Undergraduate Program Director
360A Neckers Building
Telephone: (618) 453-5302
E-mail: math@math.siu.edu
http://www.math.siu.edu/

The B.S. degree program in mathematics in the College of Science meets the objectives of students considering careers as actuaries, computer systems analysts, mathematicians, operations research analysts, and statisticians. It is also a good preparation for law or medicine. A Bachelor of Science or Bachelor of Arts program in Computer Science can also combine well with a B.S. program in mathematics.

Freshmen with four years of high school mathematics, including trigonometry, should start with the calculus sequence. Students lacking any part of this background should plan to start with college algebra, trigonometry, or pre-calculus. It is expedient to complete the calculus sequence, linear algebra, and a course in computer programming by the end of the sophomore year.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at <http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> Composition II	3	3
_____ Select	Foreign Language ⁴	4	4
_____ CS 202	Introduction to Computer Science.....	—	4
_____ MATH 111, 150	Precalculus <i>and</i> Calculus I	4	4
		14	15
<i>Second Year</i>		Fall	Spring
_____ Select	Social Science ²	—	3
_____ Select	Humanities ²	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Human Health ²	2	—
_____ Select	Biological Sciences ³	—	2–3
_____ PLB 200/ZOOL 118	General Plant Biology <i>or</i> Principles of Animal Biology ^{2,3}	4	—
_____ MATH 221	Linear Algebra.....	3	—
_____ MATH 250, 251	Calculus II <i>and</i> III.....	4	3
_____ MATH 302/305	Math Communication and Transitions <i>or</i> Differential Equations	—	3
		16	14–15
<i>Third Year</i>		Fall	Spring
_____ Select	Approved 300–400-level mathematics	6	6
_____ Select	Humanities ² (MATH 300I recommended)	3	—
_____ PHYS 205A, 255A	University Physics <i>and</i> Lab ^{2,3}	4	—
_____ PHYS 205B	University Physics ³	—	3
_____ Select	Social Science ²	—	3
_____ Select	Electives.....	2-3	3
		15-16	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Approved 300–400-level mathematics	6	6
_____ Select	Multicultural <i>and</i> Fine Arts ²	3	3
_____ Select	Electives	6	6
		15	15

¹ See also the programs (B.A. and B.S.) under College of Liberal Arts, and College of Education and Human Services.

² See University Core Curriculum.

³ The College of Science requires 6 semester hours in non-University Core Curriculum biological sciences and 6 semester hours in non-University Core Curriculum physical sciences. These courses also fulfill the science component of the University Core Curriculum (see approved substitution list).

⁴ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

Mathematics as a Major

Mathematics is growing and changing. SIUC offers students the variety of course work and highly qualified staff of a large university with small classes and personal attention not available at many large universities. Calculus classes here are taught by experienced professors and average about 30 to 35 students. Most upper division courses have 15 to 20 students.

Students will plan their advanced-level course programs with their faculty advisers. One course from each of four core areas will introduce students to the main branches of mathematics. Selection of at least five additional courses will depend on the student's particular interests, which may be mathematical research, teaching, applications in business or science and technology, statistics, actuarial science, or computer science.

For many mathematics students, a minor in computer science or a double major in mathematics and computer science is a good choice. Specially tailored programs are available for students planning a double major in engineering, physics, chemistry, business and administration, and mathematics.

A full range of graduate programs is available in mathematics and related fields.

Representative First Job Titles

Systems analyst, actuarial trainee, cryptographer, mathematician, operations research analyst, statistician, computing analyst, technical sales representative, marketing analyst.

Mechanical Engineering

College of Engineering
(Bachelor of Science)

Dr. Rasit Koc, Chair
E27 Engineering Building
Telephone: (618) 536-2396
E-mail: kocr@engr.siu.edu
<http://meep.engr.siu.edu/>

See also: Civil Engineering, Computer Engineering, Electrical Engineering, and Mining Engineering.

Mechanical Engineering is one of the broadest fields of engineering. Mechanical engineers learn measurement and instrumentation, computer-aided design, computer simulation, computer control, combustion, and engine analysis. They learn to design thermal systems for mechanical and electrical equipment including heating, ventilating, air conditioning, and refrigeration. Students learn how to design and produce new materials for advanced engineering applications. Courses are also offered in subjects related to the chemical processes and environmental control industries. Graduates are highly sought after in a variety of industries such as automotive, aerospace, and manufacturing.

The 128-hour undergraduate program provides a balance of experience in thermal and mechanical systems and the opportunity for specialized design courses. This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc. (EAC/ABET), 111 Market Place, Suite 1050, Baltimore, MD. 21202, (410) 347-7700, <URL: www.abet.org>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ CHEM 200,201	Introduction to Chemical Principles ³ and Lab.....	4	—
_____ ENGL 101,102	Composition I and II ^{1,2}	3	3
_____ ME 102, CHEM 210	Engineering Graphics and General and Inorganic Chemistry	2	3
_____ MATH 150, 250	Calculus I ³ and II.....	4	4
_____ UCOL 101E, Select	Foundations of Inquiry and Core Humanities ^{1,2}	3	3
_____ SPCM 101	Introduction to Oral Communication ^{1,2}	—	3
		16	16
<i>Second Year</i>		Fall	Spring
_____ PHYS 205A, 255A	University Physics ³ and Lab	4	—
_____ PHYS 205B, 255B	University Physics and Lab	—	4
_____ MATH 251, 305	Calculus III and Differential Equations	3	3
_____ ENGR 250, 361	Statics and Engineering Economics	3	2
_____ Select, ME 312	Core Social Science ^{1,2} and Materials Science Fundamentals.....	3	3
_____ ENGR 222B, ME 350A	Computational Methods and Mechanics of Materials.....	2	3
_____ BIOL 202	Human Genetics and Human Health	—	2
		15	17
<i>Third Year</i>		Fall	Spring
_____ ENGR 261, 370A	Dynamics and Fluid Mechanics.....	3	3
_____ ME 300, 400	Engineering Thermodynamics I and II	3	3
_____ Select	Core Fine Arts ^{1,2} and Core Social Science ^{1,2}	3	3
_____ ENGR 351, Select	Numerical Mathematics and Core Humanities ^{1,2}	3	3
_____ ENGR 335, Select	Electric Circuits and Core Multicultural ^{1,2}	3	3
_____ ME 436	Mechanical Engineering Controls	—	3
		15	18
<i>Fourth Year</i>		Fall	Spring
_____ Select, ME 407	ME Elective and Numerical Methods	3	2
_____ ME 302, 411	Heat Transfer and Manufacturing Methods for Engineering Materials.....	3	2
_____ ME 309, 401	Mechanical Analysis and Design and Thermal Measurements Lab	2	1
_____ ME 472, Select	Materials Selection for Design (Fall only) and ME Elective.....	3	3
_____ ME 475, Select	Machine Design I and ME Elective	3	3
_____ ME 495A,B	Mechanical Engineering Capstone Senior Design.....	3	3
		17	14

¹ See University Core Curriculum. Transfer students without baccalaureate-oriented associate degrees will be required to take some specific University Core Curriculum courses. Such students should contact the Engineering Advisement Office for information on recommended UCC courses.

² The College of Engineering requires that students transferring with a baccalaureate-oriented associate degree complete or transfer at least 15 semester hours of social sciences, fine arts, humanities, multicultural and interdisciplinary courses; six or seven semester hours of oral and written communications; and at least 32 semester hours of mathematics and basic sciences before graduation from Southern Illinois University Carbondale.

³ Substitutes for University Core Curriculum.

Mechanical Engineering as a Major

Transfer students from other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific freshman and sophomore course requirements, which include 6 semester hours of composition; 3 hours of speech; 8 hours of university physics; 7 hours of chemistry; 11–14 hours of mathematics, including calculus and differential equations; 3 hours of analytical mechanics (statics); and 2 hours of engineering graphics. Calculus is a prerequisite for most junior-level courses. A minor is not required. No foreign language is required.

Representative First Job Titles

Mechanical engineer, design engineer, consultant, control engineer, system analyst, product development engineer, application and test engineer, patent engineer, plant engineer, CAD engineer, HVAC engineer, instrumentation engineer, combustion and automotive specialist, quality assurance specialist, sales engineer.

Microbiology

College of Science
(Bachelor of Science)

Dr. Douglas Fix, Department Chair
131 Life Science II
Telephone: (618) 536-2349
E-mail: microbiology@micro.siu.edu
<http://www.micro.siu.edu/>

Microbiology is the study of microorganisms, including bacteria, archaea, viruses, protozoa, fungi, and yeast. The science examines the morphology, classification, evolution, growth, reproduction, genetics, biochemistry, ecology, and relationship of microbes to other living organisms, including humans.

The B.S. degree program in microbiology meets the objectives of students considering careers with pharmaceutical, food and beverage, or biotechnology industries, or in the health professions. It is good preparation for graduate study leading to advanced degrees or for laboratory or teaching positions. A Microbiology major is well prepared to enter a medical or dental professional school curriculum.

Opportunities for specialized training in microbial physiology, ecology, diversity, immunology, genetics, biochemistry, and industrial processes are available.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ BIOL 200A,B	Cell and Molecular Biology, Genetics, and Evolution ² and Organismal and Ecological Biology	4	4
_____ UCOL 101, ENGL 101	Foundations of Inquiry and Composition I	3	3
_____ CHEM 200, 201, 202	Introduction to Chemical Principles ² and Lab and Workshop	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry and Lab and Workshop	—	5
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ ENGL 102	Composition II	—	3
_____ SPCM 101, Select	Introduction to Oral Communication, Humanities ¹	3	3
_____ CS 201	Computers and Problem Solving ⁴	—	3
_____ CHEM 340, 341, 442	Organic Chemistry I and Lab and Organic Chemistry II	5	3
_____ MICR 301, 302	Principles of Microbiology and Molecular Biology	4	3
_____ MATH 141	Short Course in Calculus for Biological Sciences ³	4	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ Select	Health ¹ and Humanities ¹ and Social Science ¹	5	3
_____ MATH 282	Introduction to Statistics ⁴	—	3
_____ MICR 460, 403	Genetics of Bacteria and Viruses and Medical Microbiology	3	3
_____ PHYS 203A,B, 253A,B	College Physics I and II and Labs	4	4
_____ Select, Select	Social Science ¹ and Fine Arts ¹	3	3
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ MICR 421,423,425,454	Biotechnology, Geomicrobiology, Biochemistry & Physiology of Microorganisms, Soil Microbiology (select two)	6	—
_____ MICR 441,453,470,477	Virology, Immunology, Prokaryotic Diversity, Microbial Ecology (select two)	—	6
_____ MICR 480, 481	Molecular Biology of Microorganisms Lab and Diagnostic and Applied Microbiology Lab	4	4
_____ MICR 495	Senior Seminar	—	1
_____ Select	Multicultural ¹	3	—
_____ Select	Approved Electives	1	3
		14	14

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ The department requires one semester of calculus.

⁴ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, technical writing, statistics, and computer science. Students may not fulfill this requirement with courses offered by their major department or program.

Microbiology as a Major

Opportunities for microbiologists with four years of university training are numerous and varied. Careers are available in such fields as 1) pharmaceutical industries involved in the discovery and production of antibiotics and vaccines, and the development of new clinical tests for disease diagnosis; 2) the food and beverage industries in areas such as microbial fermentation and quality control; 3) clinical, veterinary and public health and university laboratories; 4) molecular genetics and other areas of biotechnology based on microbiology.

Teaching and research opportunities exist at the university level for holders of the doctoral degree.

Positions are available in many local, state and federal agencies, as well as in industry, for the microbiologist with a good capacity for pure or applied research.

Representative First Job Titles

Microbiologist, medical microbiologist, lab technician, biostatistician, bioinformatician, genetics research technician, biotechnologist, serologist, histologist, cytologist, parasitologist, virologist, microbiology researcher, wine chemist, assistant brewmaster, fishery bacteriologist, quality control specialist, biological photography staff, manufacturer's representative, public health officer, biology teacher, genetic engineer, water quality engineer.

Mining Engineering

(Geological Engineering Specialization)
College of Engineering
(Bachelor of Science)

Dr. Anthony Spearing
E4 Engineering Building
Telephone: (618) 536-6637
E-mail: ajsspearing@yahoo.com
<http://enr.siu.edu/mining/>

See also: Civil Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering.

Mining engineers engage in planning, design, development, and management of surface and underground mining operations by which the earth's mineral deposits are put to use.

The B.S. degree program in mining engineering meets the objectives of students considering careers with mining operations and related industries. Course work in the program includes study of surface and underground mining systems, mine ventilation, ground control and rock mechanics, mineral and coal processing, material handling systems, mineral economics, mine health and safety engineering, operations research, and computer aided mine design. Facilities include modern, well-equipped rock mechanics, mine ventilation, and mineral processing laboratories. This program is accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology Inc. (EAC/ABET), 111 Market Place, Suite 1050, Baltimore, MD. 21202, (410) 347-7700, <[url: www.abet.org](http://www.abet.org)>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ Select	Human Health ²	2	—
_____ ENGL 101	Composition I	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ ME 102	Engineering Graphics	2	—
_____ GEOL 220	Physical Geology	3	—
_____ MATH 150, 250	Calculus I ¹ and II	4	4
_____ MNGE 270, 315	Intro to Mining Engineering and Surface Mining	3	3
_____ PHYS 205A, 255A	University Physics ¹ and Lab ¹	—	4
_____ UCOL 101	Foundations of Inquiry: Academic Success ⁴	—	3
		17	17
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ²	—	3
_____ Select	Social Science ²	3	—
_____ ENGL 102	Composition II	3	—
_____ ENGR 361	Engineering Economics	2	—
_____ ENGR 250	Statics	3	—
_____ GEOL 302	Structural Geology	—	4
_____ MATH 251, 305	Calculus III and Differential Equations I	3	3
_____ MNGE 310	Underground Mining	—	3
_____ MNGE 320	Surveying	1	—
_____ MNGE 317	Ore Minerals	—	1
_____ ENGR 350A	Mechanics of Deformable Bodies	—	3
		15	17
<i>Third Year</i>		Fall	Spring
_____ Select	Humanities ²	3	—
_____ Select	Social Science ²	—	3
_____ Select	Basic Science Elective ⁵	—	3
_____ ENGR 370A	Fluid Mechanics	—	3
_____ CHEM 200, 201	Introduction to Chemical Principles ¹ and Lab ¹	4	—
_____ ENGR 335	Electric Circuits	3	—
_____ ENGR 261	Mechanical Engineering Dynamics	3	—
_____ MNGE 431, 417	Rock Mechanics Principles and Probability and Statistics	4	3
_____ MNGE 455	Mine Health and Safety	—	3
		17	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Fine Arts ²	3	—
_____ Select	Multicultural ²	—	3
_____ Select	Engineering Elective ⁶	—	3
_____ Select	Technical Elective ⁶	—	3
_____ MNGE 420	Mineral Processing	4	—
_____ MNGE 425	Mine Ventilation	4	—
_____ MNGE 460	Mine Design Projects	—	3
_____ MNGE 440, 475	Materials Handling and Design of Mine Excavations	4	3
		15	15

¹ Courses required for the major will apply towards University Core Curriculum.

² Engineering requirements for Core Curriculum are more restrictive than those of the University as a whole.

³ Students transferring are required to: (a) have an associate degree in a baccalaureate-oriented program or (b) meet the Core Curriculum requirements for engineering students. See departmental advisor for an approved course.

⁴ Students with catalog year prior to Fall 2012 are required to complete an interdisciplinary or equivalent course.

⁵ The Basic Science elective must be one of the following courses: CHEM 210, PHYS 205B, 255B, GEOL 310, 315, 325, 419, 420, 436, 470 or their equivalent if transferring from a community college.

⁶ Six hours of approved electives are required. See departmental advisor for an approved course.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Human Health ²	2	—
_____ ENGL 101	Composition I	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ ME 102	Engineering Graphics	2	—
_____ GEOL 220	Physical Geology	3	—
_____ MATH 150, 250	Calculus I ¹ and II	4	4
_____ MNGE 270, 315	Intro to Mining Engineering and Surface Mining	3	3
_____ PHYS 205A, 255A	University Physics ¹ and Lab ¹	—	4
_____ UCOL 101	Foundations of Inquiry: Academic Success ⁴	—	3
		17	17
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ²	—	3
_____ Select	Social Science ²	3	—
_____ ENGL 102	Composition II	3	—
_____ ENGR 361	Engineering Economics	2	—
_____ ENGR 250	Statics	3	—
_____ GEOL 302	Structural Geology	—	4
_____ MATH 251, 305	Calculus III and Differential Equations I	3	3
_____ MNGE 310	Underground Mining	—	3
_____ MNGE 320	Surveying	1	—
_____ MNGE 317	Ore Minerals	—	1
_____ ENGR 350A	Mechanics of Deformable Bodies	—	3
		15	17
<i>Third Year</i>		Fall	Spring
_____ Select	Humanities ²	—	3
_____ Select	Social Science ²	—	3
_____ ENGR 370A	Fluid Mechanics	—	3
_____ CHEM 200, 201	Introduction to Chemical Principles ¹ and Lab ¹	4	—
_____ ENGR 335	Electric Circuits	3	—
_____ GEOL 310	Mineralogy	4	—
_____ ENGR 261	Mechanical Engineering Dynamics	3	—
_____ MNGE 431, 417	Rock Mechanics Principles and Probability and Statistics	4	3
_____ MNGE 455	Mine Health and Safety	—	3
		18	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Fine Arts ²	—	3
_____ Select	Multicultural ²	—	3
_____ MNGE 420	Mineral Processing	4	—
_____ MNGE 425	Mine Ventilation	4	—
_____ MNGE 460	Mine Design Projects	—	3
_____ MNGE 440, 475	Materials Handling and Design of Mine Excavations	4	3
_____ Select, GEOL 315	Technical Elective ⁵ and Petrology	3	4
		15	16

¹ Courses required for the major will apply towards University Core Curriculum.

² Engineering requirements for Core Curriculum are more restrictive than those of the University as a whole.

³ Students transferring are required to: (a) have an associate degree in a baccalaureate-oriented program or (b) meet the Core Curriculum requirements for engineering students. See departmental advisor for an approved course.

⁴ Students with catalog year prior to Fall 2012 are required to complete an interdisciplinary or equivalent course.

⁵ Three hours of approved technical electives are required. See departmental advisor for an approved course.

Transfer Students

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, mathematics, social sciences, fine arts, and humanities. Students are encouraged to complete specific freshman and sophomore course requirements, which include 6 semester hours of composition; 3 hours of speech, 8 hours of university physics, 4 semester hours of chemistry; 11–14 semester hours of math, including calculus; 2 semester hours of analytical mechanics (statics); and 2 semester hours of graphics. Calculus is a prerequisite for most junior-level courses. Students transferring are required to: (a) have an associate degree in a baccalaureate-oriented program or (b) meet the Core Curriculum requirements for engineering students. See departmental advisor for an approved course.

Career and Employment Opportunities

Mining engineers may work in engineering or management positions for mining and exploration and construction companies, equipment manufacturing concerns, research organizations, or government agencies. The course work also provides strong preparation for further study at the graduate level. The average starting salary offered to our graduates compares favorably with national trends.

Mortuary Science and Funeral Service

College of Applied Sciences and Arts
(Bachelor of Science)

Anthony Fleege, Program Director
18C Applied Sciences and Arts Building
Telephone: (618) 453-5698
E-mail: splash@siu.edu
<http://sah.siu.edu/undergraduate/mortuary-science-funeral-service/index.php>

The mission of the Mortuary Science and Funeral Service program is to challenge students to achieve academic and professional excellence; prepare students to acquire entry level positions in the funeral service profession; provide quality instruction and stay current with trends of the profession; cultivate and maintain excellent relations with local, state, and national organizations; enhance University and community relations; and work toward the continued improvement of the Mortuary Science and Funeral Service program as an ongoing process.

This program is the only baccalaureate-level program in mortuary science and funeral service offered in a public university in the state of Illinois. The initial program was developed in response to a request from the Illinois Funeral Directors Association. The Mortuary Science and Funeral Service program at SIUC is accredited by the American Board of Funeral Service Education (ABFSE), 3432 Ashland Ave., Suite U, St. Joseph, MO 64506 (816) 233-3747, web: www.abfse.org. Graduates meet licensing requirements established by the Illinois Department of Financial and Professional Regulations. This program in mortuary science and funeral service is recognized by other state licensing boards.

This program is designed to accept students directly from high school or to accommodate students transferring from other accredited post-secondary institutions. Thirty students will be selected to begin the professional sequence each fall semester. Enrollment in the program is limited due to a variety of circumstances, including rules of accreditation, limitations of facilities/internship sites, and faculty-student ratio.

To be considered for admission to the program, a Mortuary Science and Funeral Service application must be completed. The application packet will be sent to the prospective student following admission to the University. It is important that all application procedures be completed as early as possible. Selection will be based on a candidate's high school rank, grades in high school mathematics and science courses, and ACT results. For transfer students, the grade-point average as calculated by SIUC and the earned college-level credits will be used for selection criteria. Recommendations from funeral directors, essay responses, and professional references are also required of all applicants. Decisions on who is selected into the professional sequence will be made beginning in January on a rolling basis.

Prospective students attending another college or university transferring to SIUC should concentrate on completing courses that will articulate as SIUC UCC requirements. Prior to taking courses that appear to equate to the professional sequence, applicant should consult with an adviser in the Mortuary Science and Funeral Service program.

In addition to the professional course work, the student will be responsible for the University Core Curriculum as well as a number of courses, which will lead to an understanding of the psychological, sociological, and theological implications of life and death. Each student will serve a semester-long internship at an approved off-campus facility. The expenses related to the internship courses are the responsibility of the student. The Internship Coordinator and/or Program Director will assign the internship location. Prior to participation in the internship, students may be required to undergo an "Internship Site Required" criminal background check and drug screening. Faculty members in the professional courses are licensed funeral directors and embalmers with experience in the profession. The program's advisory committee is composed of mortuary science and funeral service professionals.

Professional courses are offered in the program's preparation laboratory. The student is required to complete the Hepatitis B vaccine series before participating in the laboratory classes. The vaccine may be acquired at the SIUC Student Health Center, a local health department, or through a private physician. The cost of this vaccine is the responsibility of the student and documentation showing completion of the vaccine series must be presented to the advisor prior to registration. In addition, there are expenses for personal protective equipment and laboratory supplies of approximately \$250.

In accordance with accreditation standards, each student will be required to take the National Board Examination prior to graduation. The expenses for the exam is the responsibility of the student. The annual passage rate of first-time takers on the National Board Examination (NBE) for the most recent three-year period for this institution and all ABFSE accredited funeral service education programs is posted on the ABFSE web site: <www.abfse.org>. Since laws governing the profession are enacted at the state level, licensing and qualification requirements vary among states. Prospective students should contact the licensing body of the state in which they wish to attempt licensure.

The specific goals and objectives for the mortuary science and funeral service program may be found at <http://www.sah.siu.edu/MSFS/MSHOME.HTML>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ ZOO 115/117	General Biology <i>or</i> Principles of Animal Biology	3	—
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Humanities Elective	3	3
_____ MATH 101, ENGL 101	Intro to Contemporary Mathematics <i>and</i> English Composition I	3	3
_____ PSYC 102, ISAT 120	Intro to Psychology <i>and</i> Fiscal Aspects of Applied Sciences and Arts I	3	3
_____ Select	Fine Arts Elective	—	3
_____ MSFS 101, MSFS 108	Orientation to Funeral Service <i>and</i> Funeral Service Psychology	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ ENGL 102, MSFS 256	English Composition II <i>and</i> Introductory Microbiology	3	3
_____ CHEM 106, IST 208	Chemistry and Society <i>and</i> Applied Law for Technical Careers	3	3
_____ Select, Select	Major Elective <i>and</i> Multicultural Elective	5	3
_____ SPCM 101, MSFS 245	Introduction To Oral Communication <i>and</i> Restorative Art	3	4
_____ Anatomy, MSFS 240	Physiology and Human Anatomy <i>and</i> Mortuary Regulations	3	3
		17	16

<i>Third Year</i>		Fall	Spring
_____ MSFS 302, SOC 108	Restorative Color and Cosmetics <i>and</i> Intro to Sociology	4	3
_____ MSFS 325A,B	Embalming Theory and Practice I <i>and</i> II	4	4
_____ MSFS 355, MSFS 340	Embalming Chemistry <i>and</i> Mortuary Law	3	3
_____ MSFS 257, PHIL 104	Pathology <i>and</i> Ethics	3	3
_____ MSFS 270, Elective	Computers in Funeral Service <i>and</i> Human Health Elective.....	2	2
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ MSFS 360, MSFS 412	Advanced Embalming Procedures <i>and</i> Funeral Service Seminar.....	4	2
_____ MSFS 351	Funeral Service Management	4	—
_____ MSFS 352	Funeral Service Merchandising and Marketing.....	3	—
_____ MSFS 401, MSFS 410	Funeral Service Counseling <i>and</i> Internship Management.....	3	5
_____ MSFS 411	Internship Embalming.....	—	5
		14	12

Representative First Job Titles

Funeral director and embalmer apprentice.

Museum Studies (Minor)

Museum studies is available as an undergraduate interdisciplinary minor. The purpose of the minor is to introduce students to various aspects of museum work, to acquaint them with the opportunities and problems faced by museums and museum personnel, and to create career opportunities for students who might seek employment in a museum. Emphasis will be placed on actual work situations in such diverse museum functions as exhibition, curation, cataloging, acquisition, education and administration.

Minor

The museum studies minor consists of 18 hours, with 12 hours of required core courses and 6 hours of electives.

Core Courses: 12 hours selected from Anthropology 450A,B; Art 207 and 447; History 497; Political Science 446.

Electives: 6 hours selected from Anthropology 304, 442 or 460; Art 499; Political Science 441; Geology 440; History 490, 493 or 496; or courses listed above which are not used for the core. Other courses may be used as electives with permission from the museum director.

Music

College of Liberal Arts
(Bachelor of Arts in Music)
Liberal Arts specialization

Dr. Frank J. Grzych, Director
105 Altgeld Hall
Telephone (618) 453-2870

Dr. Susan Davenport, Assistant Director
Altgeld Hall
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<http://www.siu.edu/~music/>

The Bachelor of Arts in Music degree is a liberal arts degree individually tailored to meet the educational goals of each student pursuing it. The Bachelor of Arts in Music (Liberal Arts specialization), essentially a double major, offers considerable flexibility to students by allowing them to combine their coursework in Music and the University Core Curriculum with another Elective Core area of their choice. Some areas that might be combined with music include business, radio-television, theater, cinema, and visual communication. For example, a BA in Music with visual communication as the Elective Core might lead to work with cartoons, children's instructional materials or TV commercials. Students pursuing the BA in Music with a business specialization combine music with economics and marketing for a career in arts management, promotion, sales, or marketing. They can also pursue a double major in Music (Business specialization) with radio-television for a career in broadcast programming, production, writing, or management. Both programs provide options that include recording engineering and internships in areas of particular interest. Students pursuing the BA in Music with psychology, sociology, history or philosophy might pursue work in ministry, social advocacy, or music therapy.

The music major degree program is established in accordance with the published regulations of the National Association of Schools of Music, of which the School of Music is a member (see page 4 for addresses and phone numbers of national accrediting agencies).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 101	Contemporary Math ¹	3	—
_____ SPCM 101	Introduction to Oral Communication ¹	—	3
_____ MUS 030A,B	Piano Class ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140	Applied Music ²	2	2
_____ MUS 102	Survey of Music Literature ²	—	2
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ HED 101	Health ¹	—	2
_____ MUS Select	Major Ensemble ²	1	1
		17	18
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ²	3	3
_____ Select	Foreign Language ²	4	4
_____ *MUS 240	Applied Music ³	2	2
_____ *MUS Select	Major Ensemble ²	1	1
_____ *Select	Approved Elective Area ²	3	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ *MUS 357A,B	Music History ²	3	3
_____ Select	Humanities ¹	3	3
_____ *MUS Select	Major Ensemble ²	1	1
_____ MUS Select	Approved Music electives	3	3
_____ Select	Approved Electives ²	6	6
		16	16
<i>Fourth Year</i>		Fall	Spring
_____ Select	Integrative Studies ¹	3	—
_____ MUS Select	Approved music electives ²	3	6
_____ *MUS Select	Major Ensemble ²	1	1
_____ Select	Approved Electives ²	6	6
_____ MUS 488	Liberal Arts Senior Project ²	—	2
		13	15

* Required courses for a major in music.

¹ See University Core Curriculum.

² Required by music major, *Liberal Arts specialization*. Students who plan to transfer from community colleges with an associate degree should complete comparable music courses in order to avoid spending extra time pursuing the bachelor's degree.

³ May be repeated for credit as long as passing grade is maintained.

Music as a Major

Of the 56 to 57 hours required to complete the Bachelor of Arts in Music (Liberal Arts specialization), the required courses are MUS 357A,B, MUS 488 and 11 to 16 hours of approved music electives. In addition, at least one year of foreign language is required. This can be met by one of the following: (a) passing an 8-hour 100-level sequence in one language; (b) by earning 8 hours of 100-level credit in one language by proficiency exam; or (c) completing three years of one language in high school with no grade lower than C. The 29 to 34 Elective Core hours necessary to complete the degree program are selected by the student with

the approval of the student's faculty sponsor and the undergraduate committee. This planning should be done during the first semester of the student's admittance to the School of Music with undergraduate committee approval secured not later than the end of the second semester. Changes may be made if agreed upon by the student, the undergraduate committee and the student's faculty sponsor. At least 39 hours toward the Liberal Arts degree must be at the 300-400 level. The Bachelor of Arts in Music does not provide the necessary prerequisites for graduate study in a Master of Music degree program.

Of the 55 to 56 hours required to complete the Bachelor of Arts in Music (Business specialization), 18 to 19 hours are in specific music courses, 14 to 15 hours in music electives, and 27 hours are in accounting, economics, finance and marketing courses.

Music

College of Liberal Arts
(Bachelor of Arts in Music)
Business specialization

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<http://www.siu.edu/~music/>

Dr. Susan Davenport, Assistant Director
Altgeld Hall
Telephone (618) 536-8742

The B.A. degree program with a Music Business specialization meets the objectives of students planning careers as recording engineers or technicians, commercial arrangers or composers, arts managers, promoters, or salespeople in the music business or the entertainment industry.

Students take 32–35 semester hours in music and 27 in accounting, economics, finance, management, and marketing.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select MATH	Any course greater than 107 except 114, 120, and 300I; MATH 139 recommended ¹	3	—
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ Select	Human Health ¹	—	2
_____ MUS 030A,B	Piano Class ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140	Applied Music ²	2	2
_____ MUS 102	Survey of Music Literature ²	—	2
_____ MUS 174	Commercial Music ²	—	3
_____ *MUS Select	Major Ensemble ²	1	1
		17	18
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Math (any course greater than 107 except 114, 120, & 300I; MATH 139 recommended)	3	—
_____ ACCT 220, 230	Financial Accounting and Managerial Accounting*	3	3
_____ ECON 240, SPCM 101	Microeconomics and Speech Communications	3	3
_____ MUS 031A	Voice Class ²	1	—
_____ *MUS 240	Applied Music ³	2	2
_____ *MUS Select	Major Ensemble ²	1	1
_____ FIN 280	Business Law ²	—	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ *MUS 357A,B	Music History ²	3	3
_____ Select	Humanities ¹	3	3
_____ MKTG 304	Marketing Management	3	—
_____ MUS 323	Instrumentation (or 3 technique classes)	3	—
_____ MGMT 304	Introduction to Management	—	3
_____ *MUS Select	Major Ensemble ²	1	1
_____ MUS Select	Approved Music Electives	3	—
_____ MUS 307	Computers and Music ²	—	2
		16	12
<i>Fourth Year</i>		Fall	Spring
_____ Select	Integrative Studies ¹ and Social Science ¹	3	3
_____ Select	Approved Business Elective	3	—
_____ MKTG 363	Strategic Promotion Management	3	—
_____ MKTG 438	Sales Management	—	3
_____ MKTG 401	Retail Management	3	—
_____ *MUS Select	Major Ensemble ²	1	1
_____ *Select	Approved Electives ²	3	3
_____ MUS 487	Music Business Senior Project	—	3
		16	13

¹ See University Core Curriculum.

² Required by music major, music business specialization. Students who plan to transfer from community colleges with an associate degree should complete comparable music courses in order to avoid spending extra time pursuing the bachelor's degree.

³ May be repeated for credit as long as passing grade is maintained.

* Math 139 is a prerequisite.

Music as a Major

Credits in a student's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, approved for the purpose by the School of Music faculty, in which the student is not a participant.

Representative First Job Titles

Music marketing specialist, audio-marketing, management trainee for recording studio, fund raiser for opera company, instrument sales, management agency specialist.

Music

(Instrumental Performance)
College of Liberal Arts
(Bachelor of Music)

Dr. Frank J. Grzych, Director
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Dr. Susan Davenport, Assistant Director
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The bachelor of music degree program with an instrumental performance specialization meets the objectives of students planning careers in musical performance, conducting, teaching, and research. Students planning one of these careers are assumed to have had extensive experience in performing with school groups and/or as soloists and to possess basic music-reading ability. They should also exhibit a strong sensitivity to music and a desire to communicate it to others.

Following is the first two years' course of study for students who intend to pursue careers as instrumentalists and/or private teachers. Those wishing to pursue this specialization should, before the sophomore year, secure approval by the appropriate applied jury, and thereafter enroll for and receive a one-hour lesson each week for four credits per term in applied music.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	—	3
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 030A,B	Class Piano ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140	Applied Music ²	3	3
_____ *MUS 102	Survey of Music Literature ²	—	2
_____ *MUS Select	Major Ensemble ²	1	1
		<u>15</u>	<u>17</u>
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ²	3	3
_____ Select	Health ¹	2	—
_____ *MUS 030C,D	Class Piano.....	1	1
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 240	Applied Music ³	3	3
_____ MUS 365	Chamber Music.....	—	1
_____ *Select	Major Ensemble ²	1	1
		<u>17</u>	<u>16</u>

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of music classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

² Students with piano background may waive part or all of the piano class requirement, as justified by a proficiency examination.

Music as a Major

Credits in one's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, in which the student is not a participant, approved by the School of Music faculty.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir.

Representative First Job Titles

Classical music specialist, symphony orchestra or band artist, music conductor, instrumental soloists, string instruments specialist, brass instruments specialist, woodwinds instruments specialist.

Music

(Keyboard Performance)
College of Liberal Arts
(Bachelor of Music)

Dr. Frank J. Grzych, Director
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<http://www.siu.edu/~music/>

Dr. Susan Davenport, Assistant Director
Altgeld Hall
Telephone (618) 536-8742

The bachelor of music degree program with a keyboard performance specialization meets the objectives of students planning careers in musical performance, private teaching, and research. Students planning one of these careers are assumed to have had extensive experience in performing with school groups and/or as soloists and to possess basic music-reading ability. They should also exhibit a strong sensitivity to music and a desire to communicate it to others.

Following is the first two years' course of study for students intending to pursue careers as keyboard performers and/or private teachers. Those wishing to pursue this specialization should, before the sophomore year, secure approval by the appropriate applied jury and thereafter enroll for and receive a one-hour lesson each week for four credits per term in applied music.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Math (except 107 or 114)	—	3
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 102	Survey of Music Literature ²	—	2
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140Q	Applied Music ²	3	3
_____ *MUS Select	Major Ensemble ²	1	1
		14	16
<i>Second Year</i>		Fall	Spring
_____ Select, SPCM 101	Human Health ¹ and Introduction to Oral Communications	2	3
_____ Select	Integrative Studies ¹	3	—
_____ Select	Science Group I and II	3	3
_____ Select	Approved Music Elective	—	2
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 240	Applied Music	3	3
_____ *MUS Select	Major Ensemble ² (<i>see below</i>)	1	1
		16	16

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of music classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

Music as a Major

Credits in one's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, in which the student is not a participant, approved for the purpose by the School of Music faculty.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir. Piano majors may substitute Music 341, Accompanying Laboratory, during the junior and senior years.

Representative First Job Titles

Classical music specialist, solo performer, church organist, private teacher.

Music

(Music Theory-Composition)
College of Liberal Arts
(Bachelor of Music)

Dr. Frank J. Grzych, Director
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Dr. Susan Davenport, Assistant Director
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Telephone (618) 536-8742

The bachelor of music degree program with a music theory–composition specialization meets the objectives of students planning careers in music composition, music theory, teaching, and research. Students planning one of these careers are assumed to have had extensive experience in performing with school groups and/or as soloists and to possess basic music-reading ability. They should also exhibit a strong sensitivity to music and a desire to communicate it to others.

Following is the first two years' course of study for students intending to pursue careers as musical composers and/or college teachers of music theory-composition.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ Select	Math (except 107 or 114).....	3	—
_____ Select	Human Health ¹	—	2
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 030A,B	Class Piano ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140	Applied Music ² (principal instrument).....	2	2
_____ MUS 102	Survey of Music Literature ²	—	2
_____ *MUS Select	Major Ensemble ²	1	1
		17	15
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select, SPCM 101	Social Science Group 1 ¹ and Introduction to Oral Communication.....	3	3
_____ *MUS 030C,D	Class Piano ²	1	1
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 240	Applied Music ² (principal instrument).....	2	2
_____ *MUS 280	Beginning Composition.....	2	2
_____ *MUS Select	Major Ensemble ²	1	1
		16	16

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

² Students with piano background may waive part or all of the piano class requirement, as justified by a proficiency examination.

Music as a Major

Credits in a student's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, approved for the purpose by the School of Music faculty, in which the student is not a participant.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir.

Representative First Job Titles

Classical music specialist, theory teacher, composer, arranger, music theory specialist, music composition teacher.

Music

(Piano Pedagogy)
College of Liberal Arts
(Bachelor of Music)

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Dr. Susan Davenport, Assistant Director
Altgeld Hall
Telephone (618) 536-8742

The bachelor of music degree program in music with a piano pedagogy specialization meets the objectives of students planning careers in university piano teaching and class/private piano teaching. Students planning one of these careers are assumed to have had extensive experience in performing with school groups and/or as soloists and to possess basic music-reading ability. They should also exhibit a strong sensitivity to music and a desire to communicate it to others.

Following is the first two years' course of study for students intending to pursue careers as pianists and/or applied piano teachers. Students planning to pursue this specialization should, before the sophomore year, secure approval by the appropriate applied jury and thereafter enroll for and receive a one-hour lesson each week for 4 credits per term in applied music.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 102	Survey of Music Literature ²	—	2
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140Q/040Q	Applied Piano ²	3	3
_____ *MUS 110A,B	Introduction to Piano Pedagogy	2	2
_____ *MUS Select	Major Ensemble ²	1	1
		<u>16</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ Select	Health and Integrative Studies ¹	2	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	—	3
_____ SPCM 101	Introduction to Oral Communication ¹	3	—
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 210	Analytic Techniques for the Pianist	2	—
_____ *MUS 211	Piano Literature Seminar	—	2
_____ *MUS 240Q	Applied Piano	3	3
_____ *MUS Select	Major Ensemble ² (see below)	1	1
		<u>15</u>	<u>16</u>

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of music classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

² May be repeated for credit as long as passing grade is maintained.

Music as a Major

Credits in one's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, in which the student is not a participant, approved by the School of Music faculty.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir. Piano Pedagogy majors may substitute Music 341, Accompanying Laboratory, during the junior and senior years.

Representative First Job Titles

Private applied piano instructor, classroom piano teacher, piano accompanist, and composer/arranger.

Music

(Vocal Performance)
College of Liberal Arts
(Bachelor of Music)

Dr. Frank J. Grzych, Director
105 Altgeld Hall
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Dr. Susan Davenport, Assistant Director
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The bachelor of music degree program in music with a vocal performance specialization meets the objectives of students planning careers in musical performance, conducting, teaching, and research. Students planning one of these careers are assumed to have had extensive pre-university experience in performing with school groups and/or as soloists, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others.

Following is the first two years' course of study for students intending to pursue careers as singers and/or private teachers. Students planning to pursue this specialization should, before the sophomore year, secure approval by the appropriate applied jury, and thereafter enroll for and receive a one-hour lesson each week for four credits per term in applied music.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	—	3
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 030A,B	Piano Class ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140P	Applied Music ² (voice)	3	3
_____ MUS 102	Survey of Music Literature ²	—	2
_____ *MUS Select	Major Ensemble ²	1	1
		15	17
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹ Group 1 and 2	3	3
_____ Select, SPCM 101	Social Science Group 1 and Introduction to Oral Communication	3	3
_____ *MUS 363	Singers Diction.....	1	1
_____ *MUS 030C,D	Piano Class ²	1	1
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 240P	Applied Music ² (voice)	3	3
_____ *MUS Select	Major Ensemble ²	1	1
		16	16

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of music classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

² Students with piano backgrounds may waive part or the entire piano class requirement, as justified by a proficiency examination.

Music as a Major

Credits in one's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, in which the student is not a participant, approved by the School of Music faculty.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir.

Representative First Job Titles

Classical music specialist, music conductor, vocal soloist, opera specialist, music specialist, choral group artist, assistant to music specialist, church choirmaster.

Music-Studio Jazz Performance

(Studio Jazz)
College of Liberal Arts
(Bachelor of Music)

Dr. Frank J. Grzych, Director
105 Altgeld Hall
Telephone (618) 453-2870
<http://www.siu.edu/~music/>

Dr. Susan Davenport, Assistant Director
Altgeld Hall
Telephone (618) 536-8742

Studio Jazz majors are required to be in Jazz Ensemble every semester of study. In addition, at least 4 semesters of non-jazz-related ensembles are required. Majors are also required to be in Jazz Combo for at least 4 semesters. Majors with saxophone as a primary instrument must also take one semester each of applied clarinet and flute. Corresponding document required under the supervision of the applied professor.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	—	3
_____ UCOL 101J	Foundations of Inquiry ¹	3	—
_____ MUS 030A,B	Piano Class ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 112	Jazz Fundamentals	1	—
_____ MUS 113	Functional Jazz Piano	—	1
_____ MUS 140	Applied Music ²	2	2
_____ MUS 102	Survey of Music Literature ²	—	2
_____ MUS 115	Jazz Ensemble	1	1
_____ *MUS Select	Major Ensemble ²	1	1
		16	18
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ²	3	3
_____ *MUS 030C,D	Piano Class	1	1
_____ *MUS 204A,B	Advanced Aural Skills ²	1	1
_____ *MUS 205A,B	Advanced Harmony ²	3	3
_____ *MUS 231A,B	Beginning Jazz Improvisation	1	1
_____ *MUS 240	Applied Music ³	4	4
_____ MUS 115	Jazz Ensemble	1	1
_____ *MUS Select	Major Ensemble ²	1	1
		18	18

* Required courses for a major in music. Students who intend to transfer with an associate degree from a community college should contact the director of the SIU Carbondale School of Music well in advance to determine comparability of music classes and to avoid spending additional time completing the bachelor's degree.

¹ See University Core Curriculum.

² Students with piano backgrounds may waive part or the entire piano class requirement, as justified by a proficiency examination.

³ May be repeated for credit as long as passing grade is maintained.

Music as a Major

Credits in one's principal applied field are based on private lessons with a member of the faculty, weekly participation in Studio Hour (Tuesdays at 10 A.M.), and recorded attendance each term at seven campus recitals or concerts, in which the student is not a participant, approved by the School of Music faculty.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir.

Music Education

(Bachelor of Music)
College of Liberal Arts
Choral/General Music Emphasis

Dr. Frank J. Grzych, Director
105 Altgeld Hall
Telephone (618) 536-8742
<http://www.siu.edu/~music/>

Dr. Susan Davenport, Assistant Director
105 Altgeld Hall
Telephone (618) 536-8742

The Bachelor of Music degree in Music Education prepares students to teach general or instrumental or choral music in the public schools. Certification to teach grades K–12 are awarded on the completion of all requirements. See Teacher Education Program (TEP) Supplement for further details on Education requirements. Students planning one of these careers are assumed to have had extensive experience in performing with school groups and/or as soloists and to possess music-reading ability. They should also exhibit a strong sensitivity to music and a desire to communicate it to others.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year*</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ MATH 101	Introduction to Contemporary Mathematics ¹	—	3
_____ UCOL 101J, Select	Foundations of Inquiry ¹ <i>and</i> Health.....	3	2
_____ MUS 030A,B	Piano Class ²	1	1
_____ MUS 104A,B	Aural Skills ²	1	1
_____ MUS 105A,B	Basic Harmony ²	3	3
_____ MUS 140	Applied Music ² (principal instrument).....	2	2
_____ MUS 031A/036A	Voice Class ² (Instrumental) <i>or</i> Guitar Class (Choral)	—	1
_____ *MUS Select	Major Ensemble ² (MUS 011 <i>or</i> Instrumental)	1	1
_____ Select	Open Tech Group	1	—
		15	17
<i>Second Year</i>		Fall	Spring
_____ Select, SPCM 101	Science Group 1 <i>and</i> Introduction to Oral Communication	3	3
_____ MUS 204A,B	Advanced Aural Skills	1	1
_____ MUS 205A,B	Advanced Harmony	3	3
_____ MUS 240	Applied Music (principal instrument)	2	2
_____ MUS 030C,D	Piano Class (Choral only)	1	1
_____ MUS 363	Pronunciation & Diction for Singers (Choral only)	1	1
_____ *MUS Select	Major Ensemble ²	1	1
_____ PSYC 102, EDUC 314	Introduction to Psychology <i>and</i> Human Growth, Development & Learning	3	3
		15	15

* Students who intend to transfer with an associate degree from a community college should contact the director of the School of Music in advance to determine the comparability of music classes and to avoid spending additional time completing the bachelor's degree.

Students should make formal application for admission to the Teacher Education Program in the Fall semester of their second year. Students are strongly encouraged to complete University Core Curriculum requirements prior to the Fall semester of their fourth year; students then should adjust the Curricular Guide by moving MUS 398 to the Fall semester of their fourth year, with additional principal applied field also strongly encouraged.

Music as a Major

The professional education sequence is carried out in cooperation with the College of Education and Human Services, and includes courses in psychology, evaluation, and classroom management. The sequence culminates in a full semester of student teaching. Students will also study vocal or instrumental music, with courses in conducting, arranging, instrumental techniques, and teaching methods, in preparation for teaching music at the elementary, junior high, and high school levels.

All music majors must maintain satisfactory membership, each term in residence, in one of the following: Music 011—Marching Salukis, 013—Symphonic Band, 014—Concert Wind Ensemble, 017—Symphony, 020—Choral Union, or 022—Concert Choir. Instrumental music education majors must enroll in Music 011 for a minimum of one semester.

Paralegal Studies

College of Liberal Arts
(Bachelor of Science)
General or Pre-Law Specialization

Dr. Daniel Hillyard, Interim Director
4426 Faner Hall
Telephone (618) 453-1230

The B.S. degree Paralegal Studies program is based on the proposed Curriculum for the Training of Law Office Personnel, as stated by the American Bar Association Standing Committee on Paralegals. The program seeks to promote critical and analytical thinking; to teach general legal terminology specific to the various areas of legal instruction; to teach professional oral and written communication skills, including through legal research and writing; to exemplify professionalism and high ethical standards of the legal profession; to prepare students to practice as professional paralegals within law offices, corporations, government, or administrative agencies; and to perform professional procedural and substantive legal activities in assisting and under the supervision of an attorney. Our program embraces a range of social sciences, humanities, and communication skills that give students a grasp of the social and ethical contexts of the legal profession, encourages the spirit of inquiry, and develops confidence. Paralegals cannot provide legal advice, except as permitted by law and directed by an attorney, nor can paralegals establish a client relationship or represent a client in court.

The program provides two curricula paths, general and pre-law specialization, to provide for professional competency and an intellectual background for the students' future professional lives, including an understanding of law and its function in society. The Paralegal Studies program is also a great steppingstone for those who wish to go on to law school. Students must meet a minimum 2.25 grade point average requirement for transfer admission. Paralegal majors can satisfy the CoLA Writing-Across-the Curriculum requirement by passing Paralegal Studies 300A and B, with a grade of C or higher. Paralegal Studies majors must complete University and College of Liberal Arts requirements, and must complete each of PARL 300A, 300B, and 310 with a grade of C or higher; and Paralegal Studies majors must complete a minimum of 34 hours of required paralegal courses, at least 15 hours of which must be earned at SIU Carbondale.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	—	3
_____ Select	Humanities ¹	3	—
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Humanities ¹	3	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	Mathematics ¹	3	—
_____ Select	Fine Arts ¹	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	COLA Core/Elective	—	3
_____ Select	Human Health ¹	2	—
_____ Select	CoLA Core/Elective	—	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Multicultural <i>and</i> Interdisciplinary ¹	3	3
_____ PARL 305	Introduction to Law	3	—
_____ Select	Foreign Language ²	4	4
_____ Select	Introduction to Computer ²	3	—
		15	16
<i>Third Year</i>		Fall	Spring
_____ PARL 300A,B	Legal Analysis, Research and Writing I <i>and</i> II	3	3
_____ PARL 310	Civil Procedures	3	—
_____ PARL 330	Legal Forms of Business Organizations	—	3
_____ Select	Business/Computer related course	3	—
_____ Select	Elective	3	3
_____ PARL 350	Family Law	—	3
_____ Select	Approved 300-400 level L.A. or Business/Computer Courses	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ PARL 360	Torts	—	3
_____ PARL 320	Estates and Trusts	3	—
_____ PARL 370	Bankruptcy and Creditors' Rights	—	3
_____ Select ⁶	Approved 300-400 level L.A. or Business/Computer Courses	6	—
_____ Select ⁶	Electives	6	3
_____ PARL 380	Technology in the Law Office	—	3
_____ PARL 405	Advanced Internship	—	4
		15	16

¹ See University Core Curriculum.

² Two semesters (usually 8 semester hours) of a foreign language are required for all Liberal Arts students.

³ CS 200B, CS 105, ISAT 229, CS 201.

⁴ ACCT 210, ACCT 220, or AH 105.

Representative First Job Titles

Paralegal, legal assistant.

Philosophy

College of Liberal Arts
(Bachelor of Arts)

Dr. George Schedler, Chair
3065 Faner Hall
Telephone (618) 536-6641
<http://www.siu.edu/~philos/>

The B.A. degree program in philosophy provides a framework for students preparing for careers in law, government service, theology, and education, as well as graduate school. Courses in the Department of Philosophy range widely through ethics, aesthetics, logic, metaphysics, and the histories of Western and Asian philosophies, and also art, education, history, and religion.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	3	3
_____ Select	Fine Arts ¹	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ PHIL 104/340	Ethics or Ethical Theories ³	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Mathematics ¹	3	—
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____ Select	Human Health	—	2
_____ PHIL 105/320	Elementary Logic or Deductive Logic ³	—	3
_____ Select	Multicultural ¹	3	—
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Foreign Language ²	4	4
_____ PHIL 304	Ancient Philosophy ³	3	—
_____ PHIL 305	Modern Philosophy ³	—	3
_____ Select	Electives ⁴	3	3
		<u>16</u>	<u>15</u>
<i>Third Year</i>		Fall	Spring
_____ Select	Philosophy electives (two at 300 level, excluding 300 level courses in UCC)	3	3
_____ Select	Philosophy electives (one at 400-level)	3	3
_____ Select	Elective or minor courses	9	6
_____ Select	Interdisciplinary	—	3
		<u>15</u>	<u>15</u>
<i>Fourth Year</i>		Fall	Spring
_____ Select	Philosophy electives (two at 400-level)	6	—
_____ Select	Philosophy elective	3	—
_____ Select	Elective or minor courses	6	14
		<u>12</u>	<u>14</u>

¹ See University Core Curriculum.

² Two semesters (usually 8 semester hours) of one foreign language are required for all liberal arts students.

³ Required course for a major in philosophy.

⁴ Elective hours should be used to explore areas of interest and enhance career opportunities or to satisfy liberal arts requirements (see College of Liberal Arts). At least 40 hours from the total 120 must be at the 300 or 400 level.

Philosophy as a Major

The Department of Philosophy maintains its own advisement system to help students design programs that best suit their interests and needs. The Honors Program in philosophy provides students a chance to participate in seminars on a variety of topics.

Representative First Job Titles

Researcher, minister, technical writer, community relations, employee relations, grievances specialist, public relations, publications officer, alcoholism and drug addiction researcher, archival worker, museum curator, public information specialist, mediator, civic reform studies specialist, sales trainee, delinquency prevention specialist, group interaction studies specialist, morale studies specialist, public health investigator, motivational researcher, librarian.

Physical Therapist Assistant

College of Applied Sciences and Arts
(Associate in Applied Science)

Dr. Jan Rogers, Program Director
Engineering D 112B
1365 Douglas Drive
Telephone (618) 453-6143 or 453-8869
E-mail: jrogers@siu.edu
<http://www.siu.edu/~hcp/PTA/pta.html>

The Associate in Applied Science Physical Therapist Assistant degree program is accredited by the Commission on Accreditation in Physical Therapy Education, 1111 N Fairfax Street, Alexandria, VA 22314-1488. It is designed to prepare the graduate to work under the supervision of a physical therapist to treat disabilities resulting from birth defects, disease, or injury. Successful completion of the program provides graduates with the educational requirements necessary to take state licensing examinations for physical therapist assistants.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ZOOL 115	General Biology	—	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ ENGL 101	Composition I.....	—	3
_____ AH 105	Medical Terminology.....	2	—
_____ *PTH 207	Neuromusculoskeletal Anatomy	3	—
_____ *AH 241	Physiology and Human Anatomy	4	—
_____ *KIN 321	Biomechanics of Human Movement.....	—	3
_____ *PTH 107	Introduction to Physical Therapy Practice and Procedures	3	—
_____ *PTH 123A	Physical Agents I Theory	2	—
_____ *PTH 123B	Physical Agents I Application.....	1	—
_____ *PTH 212A	Physical Rehabilitative Techniques Theory	—	3
_____ *PTH 212B	Physical Rehabilitative Techniques Application	—	1
_____ *PTH 204	Physical Therapist Assistant, Practicum I	—	2
		18	15
<i>Second Year</i>		Fall	Spring
_____ SPCM 101	Interpersonal Communication.....	3	—
_____ HED 334	First Aid and CPR	—	3
_____ KIN 320	Physiological Basis of Human Movement.....	3	—
_____ PSYC 301/303/ 304/305	Child Psychology <i>or</i> Adolescence and Young Adulthood <i>or</i> Adulthood and Aging <i>or</i> Psychology of Personality	—	3
_____ *PTH 203	Pathology	2	—
_____ *PTH 205	Physical Therapy Science	—	2
_____ *PTH 210A	Introduction to Therapeutic Exercise Theory.....	2	—
_____ *PTH 210B	Introduction to Therapeutic Exercise Application	1	—
_____ *PTH 220A	Neurologic Therapeutic Exercise Theory	—	2
_____ *PTH 220B	Neurologic Therapeutic Exercise Application	—	1
_____ *PTH 230A	Advanced Therapeutic Exercise Theory.....	—	1
_____ *PTH 230B	Advanced Therapeutic Exercise Application	—	1
_____ *PTH 233A	Physical Agents II Theory.....	2	—
_____ *PTH 233B	Physical Agents II Application	1	—
_____ *PTH 234	Practicum II	—	3
		14	16
<i>Summer</i>		Summer	
_____ *PTH 321A,B	Clinical Internship	8	
_____ *PTH 322	Clinical Seminar.....	2	
		10	

* Complete with a minimum grade of C.

Physical Therapist Assistant as a Major

Regular semesters will utilize classroom laboratory and clinical education experiences; the final summer semester requires two full-time six-week internships at two separate facilities away from the University campus. Applicants need to apply to the program well in advance. Enrollment for the fall class will be closed as soon as available spaces are filled with qualified candidates.

Students are to provide documentation of immunizations with their application due to clinical site requirements. Some clinical sites may require drug testing and criminal background checks.

Representative First Job Title

Physical therapist assistant.

Physics

College of Science
(Bachelor of Science)

Dr. Naushad Ali, Chair
483A Neckers Building
Telephone (618) 453-2643
E-mail: physics@physics.siu.edu
<http://www.science.siu.edu/physics/>

A basic knowledge of classical and quantum physics is essential for successful entry into a wide variety of interdisciplinary areas of science such as biophysics, geophysics, communications science, space science, environmental science, medical science, and engineering. The B.S. degree program in physics through the College of Science meets the objectives of students undertaking the sound preparation in modern physics necessary for pursuing advanced study in physics and related areas or participating in research and development work in industry or government laboratories.

The program of study provides for a mastery of the basic principles of classical and quantum physics. It also provides a breadth of coverage in the application of physical principles to related fields. Because of the central position of physics among the physical sciences, the physics graduate with adaptable analytical and experimental skills can contribute to the solution of pressing national problems, from energy to the environment.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ PHYS 100	Undergraduate Seminar	1	—
_____ PHYS 205A, 255A	University Physics and Lab	—	4
_____ MATH 150, 250	Calculus I and II	4	4
_____ MATH 221	Introduction to Linear Algebra	—	3
_____ CHEM 200, 201, 202	Introduction to Chemical Principles and Lab	5	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ UCOL 101S	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ UCC	Human Health	—	2
		16	16
<i>Second Year</i>		Fall	Spring
_____ PHYS 205B, 255B	University Physics and Lab	4	—
_____ PHYS 305, 355	Modern Physics and Lab	—	4
_____ PHYS 301	Theoretical Methods	3	—
_____ PHYS 310/Select	Mechanics I and PHYS (300-400) elective	—	3
_____ MATH 251	Calculus III	3	—
_____ MATH 305	Introduction to Ordinary Differential Equations	3	—
_____ SPCM 101, Select	Introduction to Oral Communications and Supportive Skills	3	3
_____ Select	UCC Humanities	—	3
_____ Select	UCC Biological Science	—	3
		16	16
<i>Third Year</i>		Fall	Spring
_____ PHYS 320, 420	Electricity and Magnetism I and II	3	3
_____ PHYS 445	Thermodynamics and Statistical Mechanics	4	—
_____ PHYS 430/428	Quantum Mechanics or Modern Optics	3	—
_____ PHYS 440/Select	Application of Quantum Mechanics or Elective (300-400)	—	3
_____ PHYS 310/Select	Mechanics I or Elective (300-400)	—	3
_____ Select, PHYS 390	PHYS elective (300-400) and Undergraduate Research	3	2
_____ Select	UCC Multicultural	3	—
_____ Select	Supportive Skills	—	3
		16	14
<i>Fourth Year</i>		Fall	Spring
_____ PHYS 430/428	Quantum Mechanics or Modern Optics and Lasers	3	—
_____ PHYS 440/Select	Application of Quantum Mechanics or Elective (300-400)	—	3
_____ PHYS 450	Modern Physics Laboratory	—	3
_____ PHYS 490	Advanced Undergraduate Research	2	—
_____ Select	UCC Fine Arts and UCC Humanities	3	3
_____ Select	UCC Social Science	3	3
_____ Select	Biological Science (for major)	—	3
		14	12

Physics as a Major

At SIU Carbondale, students may elect one of several options to prepare to be physicists. Choices exist for both the experimentally and theoretically oriented student. The physics major may prepare to enter graduate school or an industrial and/or government laboratory.

Representative First Job Titles

Physicist, acoustician, design physicist, quality control physicist, research physicist, aerodynamics scientist, applied physics researcher, astrophysicist, atomic and molecular physicist, biophysicist, geophysicist, factory insurance representative, thermodynamicist, optics physicist, manufacturer's representative, mechanics physicist, nuclear physicist, plasma physicist, product studies and testing physicist, solid-state physicist, physical metallurgy scientist, biophysicist, astronomer, geodesist, crystallographer, air pollution analyst, theoretical physicist, health physicist, computational physicist, material physicist.

Physiology

College of Science
(Bachelor of Science)

Dr. Dale B. Hales, Chair
245 Life Science II
Telephone (618) 453-1544
E-mail: physiology@siu.edu
<http://www.siu.edu/physiology>

Physiology involves studying how life processes operate and how organisms function during life. The B.S. degree program in physiology meets the objectives of students considering preparation for further education in medical and other health-related professional schools and in graduate programs in physiology, cell biology, and other disciplines.

Courses include physiological techniques, pharmacology, physiology, and anatomy. A bachelor's degree in physiology provides background for a variety of research positions in academia, industry, and government as well as working with data analysis, sales, and professional writing. The best employment opportunities after graduate work are in colleges and universities. Government agencies are the second largest employers of physiologists.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ CHEM 200, 201	Introduction to Chemical Principles <i>and</i> General Chemistry Lab ²	4	—
_____ CHEM 210, 211	General and Inorganic Chemistry <i>and</i> General Chemistry Lab II	—	4
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108, 109	College Algebra <i>and</i> Trigonometry and Analytic Geometry	3	3
_____ Select	Social Science ¹	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Elective	3	2
		16	15
<i>Second Year</i>		Fall	Spring
_____ BIOL 200A	Cell and Molecular Biology	4	—
_____ Select	300-level Biology elective ⁵	—	3
_____ MATH 150, Select	Calculus I <i>and</i> Physiology Elective	4	3
_____ PHSL 492	Special Problems in Physiology	—	1
_____ CHEM 340, 341	Organic Chemistry I <i>and</i> Lab	5	—
_____ CHEM 442, 443	Organic Chemistry II <i>and</i> Lab	—	5
_____ SPCM 101, Select	Introduction to Oral Communication <i>and</i> Humanities ¹	3	3
		16	15
<i>Third Year</i>		Fall	Spring
_____ PHYS 203A,B, 253A,B	College Physics I <i>and</i> II <i>and</i> Lab I <i>and</i> II	4	4
_____ Select	Fine Arts ¹	3	—
_____ CHEM 350, 351	Introduction to Biological Chemistry <i>and</i> Biochemistry Lab	—	5
_____ Select, Select	Humanities ¹ <i>and</i> Multicultural ¹	3	3
_____ PHSL 310, 301	Principles of Physiology ³ <i>and</i> Survey of Human Anatomy	5	4
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ Select	300-level Biology elective ⁵	3	—
_____ PHSL 410A,B	Mammalian Physiology	4	4
_____ PHSL 492, Select	Special Problems in Physiology <i>and</i> Physiology Elective	1	3
_____ Select	Supportive Skill ⁴	3	3
_____ Select	Electives	3	3
		14	13

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Fulfills a University Core Curriculum health requirement.

⁴ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

⁵ Select from: Genetics-Classical and Molecular, Cell Biology, Organismic Functional Biology, or Developmental Biology.

Physiology as a Major

The Department of Physiology offers training in mammalian, cellular, molecular and integrative physiology, pharmacology, biophysics, and human anatomy. Students majoring in physiology are encouraged to gain research experience under faculty supervision. The undergraduate major provides general rather than specialized training in physiology.

In addition to adequate equipment for all routine work, our students can use cell and tissue culture facilities, ultra-centrifuge, high-performance liquid chromatography, and other analytical chemistry instruments, complete facilities for immunoassays, environmental chambers with controlled photoperiod and temperature, activity recorders, light, fluorescent and electron microscopes, conventional and Real-Time PCR machines, protein and nucleic acid electrophoresis, densitometer, and infrared imaging equipment, micro-array readers; fully equipped animal rooms, analytic balances, refrigerated centrifuges; constant temperature baths and ovens; walk in cold rooms, physiographs; fraction collectors; oscilloscopes; blood gas apparatus; body composition analyzers, electrocardiograph, and strength-testing equipment.

Representative First Job Titles

Physiologist, physiological researcher, genetics researcher, manufacturer's representative, pathologist, technical writer, biostatistician, researcher, toxicologist, pharmaceutical sales representative.

Plant Biology

College of Science
(Bachelor of Arts)

Dr. Stephen Ebbs, Interim Chair
420 Life Science II
Telephone (618) 536-2331
E-mail: plant-biology@plant.siu.edu
<http://www.plant.siu.edu>

Plant biology will be one of the most active fields of science in the 21st century. Plant biologists play vital roles in fighting hunger and disease, improving human health, developing new consumer products and pharmaceuticals, producing biofuels, reclaiming damaged and disturbed landscapes, protecting biodiversity and fragile ecosystems, and conserving valuable natural resources. Students in the Plant Biology program receive training in both field and laboratory settings, using an array of modern research tools, laboratory skills, and field techniques.

The B.A. degree program in plant biology is designed to meet the objectives of students considering careers in plant biology or related fields with federal and state agencies, botanical gardens, in private industry, or in education. While the B.A. degree can also provide preparation for graduate school, the B.S. degree in Plant Biology provides a more complete preparation for advanced study. The B.A. degree in Plant Biology can be further tailored to meet different career goals via four degree specializations: 1) general plant biology, 2) systematics & biodiversity, 3) molecular and biochemical physiology, and 4) ecology. The specializations allow students to concentrate their coursework in the indicated area.

Successful completion of a specialization appears as a notation on the student's official transcript.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____	CHEM 200, 201; 210, 211 General and Inorganic Chemistry <i>and</i> Lab ¹	5	5
_____	ENGL 101, 102 Composition I <i>and</i> II	3	3
_____	MATH 108, 109 College Algebra <i>and</i> Trigonometry and Analytic Geometry	3	3
_____	BIOL 200A, 200B Cell and Molecular Biology ¹ <i>and</i> Organismal and Ecological Biology	4	4
_____	UCOL 101S Foundations of Inquiry	3	—
		18	15
<i>Second Year</i>		Fall	Spring
_____	BIOL 305 Genetics-Classical and Molecular	—	3
_____	BIOL 307 Principles of Ecology	3	—
_____	PLB 320 Elements of Plant Physiology	4	—
_____	SPCM 101 Introduction to Oral Communication	3	—
_____	Select Fine Arts ²	—	3
_____	Select Social Science ²	3	3
_____	Select General Elective ³	3	6
		16	15
<i>Third Year</i>		Fall	Spring
_____	BIOL 306, 304 Cell Biology <i>and</i> Evolution	3	3
_____	PLB 300, 304 Plant Diversity <i>and</i> Elements of Plant Systematics	4	4
_____	PLB 360 Introductory Biostatistics ³	—	3
_____	Select Plant Biology elective	—	4
_____	Select Supportive Skills ⁴	3	—
_____	Select Humanities ²	6	—
		16	14
<i>Fourth Year</i>		Fall	Spring
_____	PLB 480 Senior Seminar	—	1
_____	Select Plant Biology electives	6	6
_____	Select General Electives ³	4	3
_____	Select Supportive Skills ³	—	3
_____	Select Multicultural ¹	3	—
		13	13

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Electives should include courses in computer science, microbiology, physics, statistics, and zoology.

⁴ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

Plant Biology as a Major

Selection of one of the four specializations in Plant Biology should be done in close consultation with the department chair and/or undergraduate advisor to insure that the requisite coursework for that specialization is covered.

An honors program is available to those juniors and seniors in plant biology who have an overall grade point average of 3.00 or better and an average in plant biology courses of 3.25 or better. A *minor* in Plant Biology can be used to complement majors in biological sciences, forestry, plant and soil science, zoology, and other disciplines.

The Department of Plant Biology strongly encourages all undergraduates to become involved in one or more research experiences, internships, paraprofessional positions, or work experiences during their program. The department chair and/or undergraduate advisor work with the student to identify and secure such opportunities during the academic year or summer.

Representative First Job Titles

Biological technician, biologist, biotechnologist, botanist, conservation biologist, conservation officer, cytologist, ecologist, economic botanist, environmental consultant, environmental educator, greenhouse manager, herbarium curator, horticulture technician, museum curator, naturalist, nature interpreter, plant biologist, plant breeding technician, plant molecular biologist, plant morphologist, plant pathologist, plant physiologist, plant protection technician, plant taxonomist.

Plant Biology

College of Science
(Bachelor of Science)

Dr. Stephen Ebbs, Interim Chair
420 Life Science II
Telephone (618) 536-2331
E-mail: plant-biology@plant.siu.edu
http://www.plant.siu.edu/

Plant biology will be one of the most active fields of science in the 21st century. Plant biologists play vital roles in fighting hunger and disease, improving human health, developing new consumer products and pharmaceuticals, producing biofuels, reclaiming damaged and disturbed landscapes, protecting biodiversity and fragile ecosystems, and conserving valuable natural resources. Students in the Plant Biology program receive training in both field and laboratory settings, using an array of modern research tools, laboratory skills, and field techniques.

The B.S. degree program in plant biology is designed to meet the objectives of students considering careers in plant biology or related fields with federal and state agencies, botanical gardens, in private industry, or in education. The B.S. degree in Plant Biology is also recommended for students who plan to pursue graduate study in plant biology or a related field. Like the B.A. degree, the B.S. degree in Plant Biology can be further tailored to meet different career goals via four degree specializations: 1) general plant biology, 2) systematics & biodiversity, 3) molecular and biochemical physiology, and 4) ecology. The specializations allow students to concentrate their coursework in the indicated area.

Successful completion of a specialization appears as a notation on the student's official transcript.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ CHEM 200, 201; 210, 211	General and Inorganic Chemistry <i>and</i> Lab ¹	5	5
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 108, 109	College Algebra <i>and</i> Trigonometry and Analytic Geometry	3	3
_____ BIOL 200A, 200B	Cell and Molecular Biology ¹ <i>and</i> Organismal and Ecological Biology	4	4
_____ UCOL 101S	Foundations of Inquiry	3	—
		18	15
<i>Second Year</i>		Fall	Spring
_____ BIOL 307, 305	Principles of Ecology <i>and</i> Principles of Genetics	3	3
_____ PLB 320, Select	Elements of Plant Physiology <i>and</i> Social Science ²	4	3
_____ Select	CHEM or PHYS courses	4	4
_____ Select	Humanities ² <i>and</i> Disciplinary Electives	3	3
_____ Select	Human Health ²	2	—
		16	13
<i>Third Year</i>		Fall	Spring
_____ SPCM 101	Introduction to Speech Communications	3	—
_____ Select	General Electives ³ <i>and</i> Humanities ²	3	3
_____ PLB 300, 304	Plant Diversity <i>and</i> Elements of Plant Systematics	4	4
_____ Select	Disciplinary Electives	—	4
_____ MATH 141, PLB 360	Calculus for Biological Sciences (or approved substitute) <i>and</i> Introductory Biostatistics	4	3
_____ BIOL 304	Evolution ¹	—	3
		14	17
<i>Fourth Year</i>		Fall	Spring
_____ Select, PLB 480	Fine Arts <i>and</i> Senior Seminar	3	1
_____ Select	Multicultural ²	—	3
_____ Select	Disciplinary Electives ³	6	3
_____ Select	Supportive Skills ⁴	3	3
_____ Select	General Electives ³ <i>and</i> Social Science ²	3	3
		15	13

¹ Fulfills a University Core Curriculum science requirement.

² See University Core Curriculum.

³ Electives should include courses in computer science, microbiology, physics, statistics, and zoology.

⁴ Students in the College of Science must take two courses, totaling at least 6 credit hours, to complete the Supportive Skills Requirement. Supportive skills courses are courses in communication or computation skills that have been approved by the major program, and must be chosen from the following subject areas: foreign language, English composition or technical writing, statistics, or computer science. Students may not fulfill this requirement with courses offered by their major department or program.

Plant Biology as a Major

Selection of one four specializations in Plant Biology should be done in close consultation with the department chair and/or undergraduate advisor to insure that the requisite coursework for that specialization is covered.

An honors program is available to those juniors and seniors in plant biology who have an overall grade point average of 3.00 or better and an average in plant biology courses of 3.25 or better.

A minor in Plant Biology can be used to complement majors in biological sciences, forestry, zoology, and other disciplines.

The Department of Plant Biology strongly encourages all undergraduates to become involved in one or more research experiences, internships, paraprofessional positions, or work experiences during their program. The department chair and/or undergraduate advisor work with the student to identify and secure such opportunities during the academic year or summer.

Representative First Job Titles

Biological technician, biologist, biotechnologist, botanist, conservation biologist, conservation officer, cytologist, ecologist, economic botanist, environmental consultant, environmental educator, greenhouse manager, herbarium curator, horticulture technician, museum curator, naturalist, nature interpreter, plant biologist, plant breeding technician, plant molecular biologist, plant morphologist, plant pathologist, plant physiologist, plant protection technician, plant taxonomist.

Political Science

(International Affairs)
(Public Service)
(Pre-Law)
College of Liberal Arts
(Bachelor of Arts)

Scott Comparato, Interim Chair
3081 Faner Hall
Telephone (618) 536-2371
<http://politicalscience.siu.edu/>

Political Science is the study of issues that most immediately and profoundly affect our lives. In the global, national and local political arenas, decisions are made every day that influence the way we live. The political science major will prepare you to address these issues intelligently. You will gain knowledge and skills to make a contribution in today's dynamic economic and political world. Courses in political science teach you skills in writing, analysis and communication and prepare you for work in all sectors of society: business, education, government and industry.

Students planning to major in political science should consult with the political science academic advisor as early as possible to plan their program of study. As a political science major you will be able to choose from a curriculum that combines structure with flexibility. The department offers three specializations: International Affairs, Pre-Law, and Public Service. Within each area, students choose from a wide range of courses that prepare them for their future plans and careers. Students are encouraged to gain practical experience by enrolling in internships and study abroad programs. Students consult with the political science academic advisor before enrolling in departmental courses each semester.

Students majoring in political science must complete core and elective requirements listed below for a minimum of 33 hours of which at least 15 must be earned at Southern Illinois University Carbondale. A minimum of three of these courses must be taken at the 400-level. A maximum of nine hours of Political Science 390 and 395 and three hours of Individualized Learning Program (ILP) may be counted toward the minimum of 34 hours. Students must complete the departmental exit survey as final graduation requirement for the major in political science.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Core Science ¹ (Biological/Physical)	3	3
_____ UCOL 101, POLS 114	Foundations of Inquiry <i>and</i> Intro to American Government and Politics	3	3
_____ Select	Core Humanities ¹	3	3
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ Select	Core Math ¹ and Core Fine Arts ¹	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ SPCM 101, Select	Introduction to Oral Communication <i>and</i> Core Multicultural ¹	3	3
_____ Select	Human Health <i>and</i> Core Social Science ¹	2	3
_____ POLS 205, 270	Introduction to Political Theory <i>and</i> Introduction to International Relations	3	3
_____ Select	Foreign Languages ²	4	4
_____ POLS 250, 300	Introduction to Comparative Politics <i>and</i> Intro to the Discipline: Methods	3	3
		15	16
<i>Third Year</i>			
_____ Select	POLS Electives 300-400 level	3	3
_____ Select	POLS 400 level.....	3	3
_____ Select	Minor courses	6	6
_____ Select	Electives 300-400 level ³	3	3
		15	15
<i>Fourth Year</i>			
_____ Select	POLS Elective 300-400 level	3	—
_____ Select	POLS 400 level	3	—
_____ Select	Minor courses	3	3
_____ Select	Electives 300-400 level ³	5	11
		14	14

¹ See University Core Curriculum.

² Two semesters (usually 8 semester hours) of a foreign language are required for all liberal arts students.

³ Elective hours should be used to explore areas of interest, to enhance career opportunities, or selected to satisfy specialization & liberal arts requirements.

Political Science as a Major

At SIU Carbondale's Department of Political Science we are committed to helping our majors develop the skills in writing, analysis, and communication that are necessary for success in any career path. As a political science major you will have access to excellent instruction by nationally recognized faculty. You can practice what you learn in the classroom by participating in extra-curricular activities such as the Pre-Law Association, Student Ambassadors, Undergraduate Student Government, and the Public Administration Student Organization. Majors in political science are afforded an enriched educational experience through opportunities to intern with local, state, and federal levels of government. A degree in political science from SIU Carbondale will prepare you for a rewarding career in government, media, education, business, and nonprofit sectors.

Graduates of our political science program find employment in such diverse vocations as law; business; journalism; public and international affairs; campaign management; federal, state, and local government; and nonprofit organizations. Our alumni hold positions with such organizations as the Federal Bureau of Investigation, U.S. Department of Energy, Missouri State Senate, U.S. House Budget Committee, Department of State, Motorola, McDonnell Douglas, Caterpillar Inc., John Deere and Co., Smith Barney, Coldwell Banker, Ford Motor Co., and many more. In addition to these fine organizations, many alumni have their own law practices or teach at secondary and higher levels of education. Some of our most notable graduates include Former U.S. Ambassador to the United Nations Donald McHenry, Illinois Attorney General Roland Burris, and Chief Justice of the Illinois Supreme Court Ben Miller.

Pre-Dentistry

Pre-Professional Non-degree Program
College of Science

Gail Robinson, Health Professions Advisor

A-185 Neckers Building

Telephone (618) 536-2147

E-mail: health-professions@cos.siu.edu

<http://www.science.siu.edu/advisement/health-advise.html>

SIU Carbondale does not offer a degree in pre-dentistry. An academic major must be chosen. The pre-professional program in pre-dentistry meets the objectives of students planning for dental careers and prepares them to take the Dental Admission Test, which must be done not later than spring of the junior year. The Health Professions Information Office offers information and guidance to pre-dental students. The SIU Carbondale pre-dental program meets the general requirements of all United States dental schools. For the School of Dental Medicine in Alton, students need at least one semester of biochemistry.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101S	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ Select	Humanities ¹	3	—
_____ BIOL 200B	Organismal and Ecological Biology ²	—	4
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop ²	—	5
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
_____ BIOL 200A	Cell and Molecular Biology, Genetics and Evolution	4	—
		16	14
<i>Summer</i>		Summer	
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	5	
<i>Second Year</i>		Fall	Spring
_____ PSYC 102	Introduction to Psychology ¹	3	—
_____ Select	Social Science ¹	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ CHEM 340, 341	Organic Chemistry I and Lab	5	—
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ PHYS 203A, 253A	College Physics I and Lab ³	4	—
_____ PHYS 203B, 253B	College Physics II and Lab ³	—	4
_____ CHEM 442, 443	Organic Chemistry II and Lab	—	5
		15	16
<i>Third Year</i>		Fall	Spring
_____ Select, PHIL 105	Multicultural ¹ and Elementary Logic ¹	3	3
_____ CHEM 350	Intro to Biological Chemistry	—	3
_____ MICR 301	Principles of Microbiology	4	—
_____ MICR 302/BIOL 305	Molecular Biology or Genetics-Classical and Molecular	—	3
_____ PHSL 310	Principles of Physiology ⁵	5	—
_____ Select	Major course requirements	3	4
		15	13
<i>Fourth Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	—	3
_____ Select	Interdisciplinary ¹	3	—
_____ CHEM 352	Advanced Biological Chemistry	—	3
_____ Select	Major course requirements	12	10
		15	16

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Physics may be postponed, as it is not covered on the Dental Admission Test, but it is desirable to take it soon after trigonometry and analytic geometry.

⁴ Students should complete organic chemistry their third year, to be best prepared for the Dental Admission Test in the spring of that year.

⁵ Fulfills a University Core Curriculum health requirement.

If all requirements are completed, students may take the Dental Admission Test in spring of their junior year and apply for entry to dental school after three years of undergraduate preparation. Students may choose any major and must complete the departmental, college, and University requirements for a degree. Dental schools give no preference among possible majors. In addition to required courses, students should choose from among the following courses, as their time permits: genetics, cellular biology, embryology, developmental biology, comparative anatomy, microbiology, psychobiology, and personality or social psychology. Additional mathematics, statistics, humanities, and social sciences will also be helpful.

Dentistry as a Career

Professional training requires four years in the dental school. Specialties beyond general practice require further training. Dentistry is becoming increasingly involved in the detection of a variety of diseases and in aesthetic improvement, correction and reconstruction, preventive dental care, and community health care, as well as private practice.

Pre-Law

(Pre-Professional Specialization in Political Science Major)
College of Liberal Arts

Scott Comparato, Interim Chair
3081 Faner Hall
Telephone (618) 536-2371

The Association of American Law Schools and the Southern Illinois University School of Law emphasize that the effectiveness of pre-legal study cannot be advanced by prescribed courses of study or extracurricular activities. Instead, students should cultivate basic skills and insights through education for comprehension and expression in words, for critical understanding of the human institutions and values with which law deals, and for creative power in thinking. This is best achieved in fields of individual interests and abilities. Subjects that provide stimulating training for one person may do very little to arouse and sharpen the intellect of another. In addition, law touches, so many phases of human activity that there is scarcely a subject which is not of value to the law student and to the lawyer. Students are therefore advised to place as much emphasis on the liberal arts as their own programs of undergraduate study will permit, and within the outlines of that program the following should also be noted:

The essential ability to think precisely and exactly is most likely to be acquired through courses in logic, mathematics, philosophy, and the natural sciences.

Composition and introduction to oral communication courses develop the power of clear and well-ordered expression. Courses in which students receive intensive faculty critiques of their writing and speaking skills are highly recommended.

Beside the study of political science, the fields of history (particularly English and American history), science, psychology, economics, and sociology are important to an appreciation of human institutions and values and their relation to law. The pre-law specialization allows students eighteen hours of interdisciplinary study for the breadth needed for the study of law.

An understanding of financial statements and of elementary accounting principles has become almost indispensable. Some familiarity with computers is also helpful.

There are opportunities in special types of practice for those who concentrate in particular fields, such as engineering, business administration, chemistry, physics, or agriculture, before entering law school.

The College of Liberal Arts has a pre-law designation to identify and assist students interested in pursuing a career in the law and/or enrolling in law school. Students planning to apply to law school may select any major course of study and, because their undergraduate grades are important in the law school application process, they are encouraged to select a major in which they can perform very well.

Applying to Law School

Students who plan on applying to law school will need to take the Law School Admission Test (LSAT) sometime during their junior or senior year. The LSAT is administered by a company called Law Services and is offered at SIUC. A practice LSAT is offered by SIU Testing Services and a LSAT preparatory course is offered by the SIU Division of Continuing Education. Students who perform exceptionally on the LSAT may, subject to certain conditions, enroll and be admitted into the SIU School of Law as a junior.

More information about the LSAT and the law school application process can be obtained from advisors in the College of Liberal Arts (CoLA) Advisement Office (Faner 1229), from Law Service at <www.lsac.org>, or from the SIU School of Law, Office of Admissions and Student Affairs at <www.law.siu.edu>.

Student Organizations

Students interested in a career in the law and/or enrolling in Law School can join the Pre-Law Association, a registered student organization that schedules speakers and events related to a legal career. Students are encouraged to visit the Pre-Law Association website at <<http://prelaw.rso.siu.edu/>>. In conjunction with the Pre-Law Association, the Department of Political Science sponsors an annual moot court competition for pre-law students held in conjunction with the Model Illinois Government simulation.

Suggested Courses

Students interested in pursuing a legal career should recognize that certain courses available in the College of Liberal Arts may be helpful in preparing either for the LSAT, the study of law, and/or a career in the law.

For example, the Paralegal Studies program is one course of pre-law study in which a student takes a variety of legal courses including legal writing and research, civil procedure and torts. Students in the Political Science program can declare a pre-law specialization within their major, which includes courses in administrative law, civil liberties and constitutional law.

Any course, however, that develops or improves a student's analytical reasoning, reading comprehension, logical reasoning, or writing skills will be beneficial for the LSAT, the study of law, and/or a career in the law. Development or improvement of oral communication skills, which are currently not tested on the LSAT but are very important for the study of law or a legal career, is also strongly recommended.

A list of courses that offer the opportunity to improve or develop these skills appears below. This is not an exhaustive list. With some exceptions, students do not need to be enrolled in a particular major to take any or all of these courses. Students who are not in a CoLA program, therefore, are strongly advised to take one or more of these courses to supplement their studies. For more information about these courses, contact an academic advisor in the CoLA Advisement Office. Anthropology 202, 298, 300D, 370, 410A and 410E; Criminology and Criminal Justice 203, 216, 310, 320, 408 and 474; Economics 240, 241, 340 and 341; English 290, 291, 300, 391 and 491; History 330A, 400, 450B, 462, 467A-B, 468 and 490; Linguistics 104, 200, 201 and 415; Philosophy 105, 309I, 310, 320, 342, 344 and 441; Political Science 230, 332I, 333A, 333B, 435, 436, 437; Psychology 211, 223, 301, 304, 311, 431 and 420; Sociology 308, 312, 372, 424, 473 and 484. Speech Communication 221, 310, 325, 326, 411, 421 and 463.

Pre-Medicine (including Osteopathic Medicine)

Pre-Professional Non-degree Program
College of Science

Gail Robinson, Health Professions Advisor

A-185 Neckers Building

Telephone (618) 536-2147

E-mail: health-professions@cos.siu.edu

<http://www.science.siu.edu/advisement/health-advise.html>

SIU Carbondale does not offer a degree in pre-medicine. An academic major must be chosen. The Health Preprofessional Committee guides the pre-medical program at SIUC. Through the Health Professions Information Office, students are able to obtain information about professional schools and their requirements, curriculum guidance, and assistance with the procedures involved in applying to medical or osteopathic medical schools. The curriculum meets the general requirements of all United States medical schools and is designed to provide students with a strong course background on which to base their medical education.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergradatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ PSYC 102	Introduction to Psychology ¹	3	—
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ BIOL 200A, B	Cell and Molecular Biology ² and Organismal and Ecological Biology	4	4
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop ²	—	5
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
		16	15
<i>Summer</i>		Summer	
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	5	
<i>Second Year</i>		Fall	Spring
_____ CHEM 340, 341	Organic Chemistry I and Lab	5	—
_____ BIOL 306	Cell Biology	3	—
_____ CHEM 442, 443	Organic Chemistry II and Lab	—	5
_____ PHYS 203A, B/253A, B	College Physics I and II and Labs ⁴	4	4
_____ SPCM 101, PHSL 301	Introduction to Oral Communication, Survey of Human Anatomy	3	4
_____ SCI 201	Career Preparation Seminar for Health Professions	—	1
		15	14
<i>Third Year</i>		Fall	Spring
_____ CHEM 350, 351	Intro to Biological Chemistry and Lab	—	5
_____ PHSL 310, BIOL 305	Principles of Physiology and Principles of Genetics	5	—
_____ ENGL 290 or 391	Intermediate Analytical Writing or Precision Writing ¹	3	—
_____ MICR 301, SOC 108	Principles of Microbiology and Introduction to Sociology ¹	4	3
_____ PLB 360	Introductory Biostatistics	—	3
_____ PHIL 105	Elementary Logic	3	—
		15	14
<i>Fourth Year</i>		Fall	Spring
_____ Select	Humanities ¹ and Fine Arts ¹	3	3
_____ Select	Multicultural ¹ , Interdisciplinary ¹	3	3
_____ Select	Major course requirements	9	8
		15	14

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Fulfills a University Core Curriculum human health requirement.

⁴ Students should complete physics and two semesters of organic chemistry their second year, and biochemistry their third year to be best prepared for the Medical College Admission Test in the spring of their third year.

Pre-medical students may choose any major in which to earn the bachelor's degree. Requirements of that degree, of the college in which it is granted, and of the University must be met at the same time as pre-medical requirements are taken. If a science major is chosen, there will be considerable overlapping of requirements.

Additional courses recommended for pre-medical preparation include embryology or developmental biology, comparative anatomy, microbiology, psychobiology, and social sciences. The 2015 MCAT will have a new Psychological, Social, and Biological Foundations of Behavior section.

Medicine as a Career

Medical training will require another four academic years, plus residency. Admission to medical schools is extremely competitive. Students can help themselves by making realistic appraisals of their interests and abilities, by planning ahead to meet all requirements and time schedules, and by keeping themselves informed of admission requirements and procedures. They will receive help through the Health Professions Information Office and the Health Preprofessional Committee.

During all their undergraduate years students should be increasing their knowledge of medicine as a profession. Some suggestions are to shadow a physician, volunteer in a hospital, or gain certification as an EMT (Emergency Medical Technician) or CNA (Certified Nurses Assistant). Involvement in extracurricular activities and community service is increasingly important in gaining admission to medical school.

Medicine today offers both promise and challenge, whether students are interested in becoming primary care physicians, specialists, or medical scientists. Prevention as well as cure, and the extension of health care to all of society, have become important goals in medical education.

The flexibility with which pre-medical students at SIU Carbondale may approach their undergraduate requirements, as well as the quality of the pre-medical preparation, make it possible for students to achieve excellent pre-medical training.

Pre-Nursing

Pre-Professional Non-degree program
College of Science

Mindy Reach, Regional Nursing Program Advisor

Lindegren Hall Room 0016F

Telephone: (618) 453-4349

E-mail: mindyr@siue.edu

<http://www.siu.edu/nursing/siue-nursing-carbondale.shtml>

A Bachelor's Degree in Nursing is offered at both Southern Illinois University Carbondale and Edwardsville. Although students can complete pre-nursing requirements through an accelerated course load in one year*, many choose to apply after three semesters of course work. Students apply to SIUE, who manages the program on both campuses. The bachelor's degree in nursing is awarded by SIUE. The Nursing Program on either campus is three years.

The bachelor's program is designed for those who wish to become registered nurses and provides a platform on which to build a career through graduate study for advanced practice roles such as nurse administrator or nurse practitioner.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
____ UCOL 101S	Foundations of Inquiry: Intro to Scientific Research	3	—
____ PSYCH 102	Introduction to Psychology	3	—
____ MICRO 201	Elementary Microbiology	—	4
____ ENGL 101, 102	Composition I and II	3	3
____ MATH 108	College Algebra	3	—
____ Select	Introductory Social Science ¹	—	3
____ ZOOL 118	Principles of Animal Biology	4	—
____ SPCM 262	Interpersonal Communications	—	3
		16	13
<i>Second Year</i>		Fall	Spring
____ CHEM 140A,B	Chemistry (General and Organic)	4	4
____ HED 311	Human Growth and Development ³	3	—
____ PHSL 240A	Anatomy and Physiology for Nursing	—	4
____ Select	Fine Art/Humanities ²	—	3
____ PHSL 240B	Advanced Social Science ³	3	—
____ PHIL 105	Elementary Logic	—	3
____ AH 105	Medical Terminology ³	2	—
		12	14

*Please see one-year curriculum on web pages.

¹ Choose one introductory social science courses from: ANTH 104, ECON 241, HIST 205A/B, POLS 205, SOC 108.

² Choose one introductory humanities course from: AD 101, ENGL 205, MUS 103, PHIL 102, THEA 101.

³ Also offered in the SIU Nursing Program.

Each course identified as prerequisite must be completed with a grade of *C* or above. Students must complete all prerequisite courses with an average of 2.7 to be considered for admission to SIUE School of Nursing. Realistically, students should have at least a 3.2 GPA to be competitive. Other courses listed here represent degree requirements for the SIUE B.S. in nursing. Students may complete their pre-nursing prerequisites at the community college, and consult their community college advisor using the guide above, or SIUE School of Nursing for transfer equivalents. For information concerning application to SIUE School of Nursing, students should contact Mindy Reach at (618) 453-4349, the advisor with the Regional Nursing Program at SIU Carbondale who also consults with transfer students.

To apply to other schools of nursing, students must seek out specific transfer information. Some nursing schools do not accept transfer students, and others accept one year of outside work only.

Pre-Occupational Therapy

Pre-Professional Non-degree Program
College of Science

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SIU Carbondale does not offer a degree in pre-occupational therapy. An academic major must be chosen. SIU Carbondale offers courses to meet the requirements of any occupational therapy school. Admission is competitive. Applicants should have investigated occupational therapy and have some experience in patient care. Application must be made from nine months to a year in advance of the beginning date at the professional schools.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Humanities ¹	—	3
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
_____ BIOL 200A/ZOOL 118	Cell and Molecular Biology, Genetics and Evolution or Animal Biology	4	—
_____ PSYC 102	Introduction to Psychology	—	3
_____ SOC 108	Introduction to Sociology	3	3
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	—	3
_____ AH 105	Medical Terminology	—	2
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	—	5
_____ MATH 282	Introduction to Statistics	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ HED 311	Human Growth and Development	3	—
_____ Select	Major course requirements	3	3
		14	16
<i>Third Year</i>		Fall	Spring
_____ PHYS 203A/253A	College Physics I and Lab	4	—
_____ PHSL 310/201, 208	Principles of Physiology or Human Physiology and Laboratory Experiences in Physiology	4-5	—
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ Select	Major course requirement	6	10
		14-15	14
<i>Fourth Year</i>		Fall	Spring
_____ PSYC 305, 331	Psychology of Personality and Abnormal Psychology	3	3
_____ Select	Integrative Studies ¹	3	3
_____ Select	Major course requirements ²	10	10
		16	16

¹ See University Core Curriculum.

² Students who decide to remain at SIU Carbondale for a bachelor's degree must consult an academic adviser and plan a curriculum leading to a degree in an approved program. The pre-occupational therapy curriculum does not lead to any SIUC degree, nor does it guarantee admission into a professional school. Students are required to have current certifications in cardiopulmonary resuscitation (CPR) and first aid.

The Accreditation Council of Occupational Therapy Education is requiring that all occupational therapy programs be at the masters or doctoral level. Most programs are currently at the Master's level. The undergraduate degree may be in any discipline, provided that specific occupational therapy requirements are met. Students are advised to contact the professional school where they would like to attend to keep up-to-date on specific requirements. Occupational therapists work to maximize the function and life satisfaction of persons whose daily life performance have been, or might be, affected by disease, disability, life stress, and other factors. Therapy consists of facilitating participation in roles and activities that are important to the patient or client. A variety of rehabilitation strategies are used in occupational therapy.

Occupational therapy offers a rewarding career for people who want to improve the quality of life of individuals, groups, and communities. Practitioners work in a wide variety of settings such as school systems, hospitals, private practices, home-health, industrial settings and community-based organizations. Optometry as a Career

Optometry training requires four years in an accredited professional school. The candidates then take a licensing examination.

Pre-Optometry

Pre-Professional Non-degree Program
College of Science

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SIU Carbondale does not offer a degree in pre-optometry. An academic major must be chosen. The Health Preprofessional Committee guides the pre-optometry program at SIU Carbondale. Through the Health Professions Information Office, students are able to obtain information about professional schools and their requirements, curriculum guidance, and assistance with the procedures involved in applying to optometry schools. The curriculum meets the general requirements of all United States optometry schools and is designed to provide students with a strong course background on which to base their education.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ BIOL 200A	Cell and Molecular Biology, Genetics and Evolution	4	—
_____ BIOL 200B	Organismal and Ecological Biology ²	—	4
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop ²	—	5
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
_____ PSYC 102	Introduction to Psychology ¹	3	—
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Social Science ¹	—	3
_____ PSYC 102	Introduction to Psychology ¹	3	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	5	—
_____ MATH 141/150	Short course in Calculus or Calculus I	—	4
_____ PHYS 203A,B/253A,B	College Physics I and II and Lab	4	4
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ SPCM 101	Introduction to Oral Communication	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ Select, PHIL 105	Multicultural ¹ and Elementary Logic ¹	3	3
_____ CHEM 340, 341	Organic Chemistry I and Lab ³	5	—
_____ CHEM 442, 443	Organic Chemistry II and Lab	—	5
_____ MICR 301	Principles of Microbiology	4	—
_____ MICR 302/BIOL 305	Molecular Biology or Genetics—Classical and Molecular	—	3
_____ PHSL 310	Principles of Physiology ⁴	—	5
_____ Select	Major course requirement	3	—
		15	16
<i>Fourth Year</i>		Fall	Spring
_____ MATH 282	Statistics ⁵	—	3
_____ Select	Interdisciplinary ¹	3	—
_____ Select	Major course requirements	13	10
_____ Select	Fine Arts ¹	—	3
		16	16

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Chemistry majors or other students hoping to enter optometry school after three years must begin a chemistry sequence in the first year and take organic chemistry in the second in order to take the Optometry College Admissions Test one year before optometry school entry. Students with no high school chemistry must begin with CHEM 140a. Schools student frequently apply to require two semesters of organic chemistry with lab.

⁴ Fulfills a University Core Curriculum human health requirement.

⁵ Any three-hour statistics course taught by the business, mathematics, or psychology department is acceptable.

No degree is given in pre-optometry. Students may choose any major at SIU Carbondale.

Recommended courses include child (or developmental) and other psychology, introductory business, genetics, embryology, and cell biology.

Optometry as a Career

Optometry training requires four years in an accredited professional school. The candidates then take a licensing examination.

Career opportunities exist in individual or group practice, in hospitals or eye clinics, in public health agencies, in industrial health programs, and in consultant services to other professions, such as educators in remedial reading, illuminating engineers, or highway safety planners.

Pre-Pharmacy

Pre-Professional Non-degree Program
College of Science

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SIU Carbondale does not offer a degree in pre-pharmacy. Students only need to fulfill prerequisite course requirements. Recent changes in pharmacy programs make it imperative that pre-pharmacy students have a particular school in mind and that they are aware of its requirements. There are five Illinois pharmacy schools: the Chicago College of Pharmacy (Midwestern University), the University of Illinois at Chicago, and Southern Illinois University at Edwardsville, Chicago State University, and Rosalind Franklin University, all offering a doctoral degree (Pharm. D.). The programs require two to three years of preparatory courses, and some students have bachelor's degrees.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ BIOL 200A	Cell and Molecular Biology, Genetics and Evolution	4	—
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop	4	4
_____ CHEM 201, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	1	1
_____ PSYC 102	Introduction to Psychology	—	3
_____ MATH 108	College Algebra	3	—
_____ MATH 109	Trigonometry and Analytic Geometry	—	3
_____ BIOL 200B	Organismal and Ecological Biology	—	4
		18	18

<i>First Year</i>		Summer
_____ MATH 150	Calculus I	4
_____ SOC 108	Introduction to Sociology	3
		7

Students may need to enroll in additional courses during the summer term to avoid overloads during regular semesters. (See In Addition, below).

<i>Second Year</i>		Fall	Spring
_____ ECON 240/241	Introduction to Microeconomics or Macroeconomics	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ CHEM 340, 442	Organic Chemistry I and II	3	3
_____ CHEM 341, 443	Laboratory Techniques I and II	2	2
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ PHYS 203A, 203B	College Physics	3	3
_____ PHSL 310	Principles of Physiology (Science major level)	5	—
_____ PHYS 253A, 253B	College Physics Laboratory I, II	1	1
		17	16

* University of Illinois at Chicago requires a cultural diverse humanities course.

Midwestern University requires two additional elective courses.

St. Louis College of Pharmacy requires History 101a, b and recommends microbiology and biochemistry.

SIUE requires Philosophy 105 and either music, art or literature.

In Addition

Students must complete 9–11 additional semester hours of University Core Curriculum courses consisting of fine arts (art, music, or drama), physical sciences (astronomy, geology, or physics), and humanities (history or philosophy) before entering the Pharm.D. Program.* These may be added to the suggested schedule above or taken during summer terms. Accepted students will then spend four years in the professional school.

For St. Louis College of Pharmacy, students may take one or, at most, two years of pre-pharmacy courses at SIUC and apply to enter as second- or third-year students in the six-year program. It is advantageous, however, for students to transfer to St. Louis for the second year, as courses are offered that are taught only by the pharmacy school.

*One of these courses must meet the University of Illinois cultural diversity requirement.

*The Pharm.D. is the standard pharmacy degree. After two years of prerequisite courses, a Pharm.D. requires four years.

Pharmacy as a Career

Students with an aptitude for science and interest in the pharmaceutical field will find that pharmacy offers a variety of careers. The pharmacist may practice in a retail business, in a hospital or clinic, or in public health facilities. In industrial pharmacy there are opportunities in research, manufacturing, quality control, administration, and sales.

Pre-Physical Therapy

Pre-Professional Non-degree Program
College of Science

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SIU Carbondale does not offer a degree in pre-physical therapy. An academic major must be chosen. SIU Carbondale offers courses to meet the requirements of any physical therapy school. The curriculum suggested below includes *minimum* requirements of the six professional schools in Illinois so that students may apply to more than one school. *Admission is competitive.* Applicants should have some knowledge about physical therapy and some experience in patient care. Application must be made from nine months to a year in advance of the beginning date at the professional schools.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Humanities ¹	—	3
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ BIOL 200A,B	Cell and Molecular Biology, Genetics and Evolution ³ and Organismal and Ecological Biology	4	4
		16	13
<i>Second Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	—	3
_____ AHC 105	Medical Terminology	—	2
_____ CHEM 200 201, 202	Introduction to Chemical Principles, Lab, and Workshop ³	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	—	5
_____ MATH 141, 282	Calculus and Introduction to Statistics	4	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Major course requirements	3	3
		15	16
<i>Third Year</i>		Fall	Spring
_____ PHYS 203A,B, 253A,B	College Physics I and II and Labs	4	4
_____ PHSL 310/201, 208	Principles of Physiology ⁴ or Human Physiology and Laboratory Experiences in Physiology	4-5	—
_____ PSYC 211	Research Methods in Psychology	3	—
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ Select	Major course requirements ⁵	3-4	7
		14-16	15
<i>Fourth Year</i>		Fall	Spring
_____ PSYC 305, 331	Psychology of Personality and Abnormal Psychology	3	3
_____ Select	Integrative Studies ¹	3	3
_____ Select	Major course requirements ⁵	7	9
_____ Select	Humanities ¹	3	3
		16	15

¹ See University Core Curriculum.

² Midwestern University requires PHIL 104.

³ Fulfills a University Core Curriculum science requirement.

⁴ Fulfills a University Core Curriculum human health requirement.

⁵ Students who decide to remain at SIUC for a bachelor's degree must consult an academic adviser and plan a curriculum leading to a degree in an approved program. The pre-physical therapy curriculum does not lead to any SIUC degree, nor does it guarantee admission into a professional school.

Students are required to have current certifications in cardiopulmonary resuscitation (CPR) and first aid.

Recommended electives include Organic Chemistry (CHEM 340,341), Kinesiology (KIN 321), Biochemistry (CHEM 350), Psychobiology (PSYC 302), Microbiology (MICR 301), sports or skill-oriented Kinesiology courses, and additional social science courses. Students may prefer to attend summer sessions or spread pre-physical therapy course work through more than two years.

The Commission on Accreditation of Physical Therapy Education is requiring that all physical therapy programs be at the master or doctoral level. The doctoral program is three years long. Most have already made the change doctoral programs. The undergraduate degree may be in any discipline, provided that specific physical therapy requirements are met. Students are advised to contact the professional school where they might want to attend in order to keep up-to-date on their specific requirements.

Pre-Physician Assistant

Pre-Professional Non-degree Program
College of Science

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SIU Carbondale does not offer a degree in pre-physician assistant. An academic major must be chosen. SIUC offers courses to meet the requirements of most programs leading to certification as a physician assistant. Most Physician Assistant programs offer a master's degree only and demand that an applicant have a bachelor's degree from an accredited university. *Admission to all Physician Assistant programs is competitive.* Prior health-care experience is important, including credentialed employment in a healthcare setting. A total of 2000 hours is preferred. The GRE or MAT is required.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ BIOL 200A	Cell and Molecular Biology ²	4	—
_____ CHEM 200, 201, 202	General Inorganic Chemistry, Lab, and Workshop ²	—	5
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
_____ AHC 105	Medical Terminology	2	—
_____ Select	Fine Arts ¹	—	3
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
***SEE BELOW		15	17
<i>Second Year</i>		Fall	Spring
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop ²	5	—
_____ CHEM 339, 341	Introduction to Organic Chemistry and Lab	—	5
_____ MATH 282	Introduction to Statistics ²	3	—
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ SOC 108	Introduction to Sociology	3	—
_____ PSYC 102	Introduction to Psychology	—	3
_____ Select	Major course requirements	3	3
		17	15
<i>Third Year</i>		Fall	Spring
_____ MICR 301	Principles of Microbiology	4	—
_____ PHSL 310	Principles of Physiology ³	—	5
_____ Select	Multicultural and Interdisciplinary ¹	3	3
_____ Select	Major course requirements	7	6
		14	14
<i>Fourth Year</i>		Fall	Spring
_____ HED 334	First Aid and CPR	3	—
_____ Select	Major course requirements	12	12
_____ Select	Humanities ¹	—	3
		15	15

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement and/or science major requirement.

³ Fulfills a University Core Curriculum health requirement.

***CHEM 200, 201 Intro to Chemical Principles and Lab-4 Hours to be taken Summer Semester between First & Second Years.

Pre-physician Assistant students may choose any major in which to earn the bachelor's degree. Requirements of that degree, of the college in which it is granted, and the University must be met at the same time as pre-physician assistant requirements are taken. If a science major is chosen, there will be considerable overlapping of requirements.

Only grades of C or better are accepted, and the prerequisite course GPA must be at least a 3.0 on a 4 point scale.

Physician Assistant as a Career

A Physician Assistant is a "mid-level" provider who is licensed to practice medicine with physician supervision. PA's perform a wide range of medical duties, and a PA's responsibilities depend on the type of health care setting and his/her experience and training.

Pre-Podiatry

Pre-Professional Non-degree Program
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SIU Carbondale does not offer a degree in pre-podiatry. An academic major must be chosen. Podiatrists diagnose and treat foot disorders caused by injury or disease and also perform foot surgery. SIU Carbondale's pre-podiatry program meets the general requirements of all United States podiatry schools. The following curriculum prepares students to take the Medical College Admissions Test in the spring of their junior year. The Health Professions Information Office offers information and guidance to pre-podiatry students and assists in the process of application by furnishing a composite letter of recommendation for each student who applies to podiatry school.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ Select	Humanities ¹	3	—
_____ BIOL 200A	Cell and Molecular Biology	4	—
_____ BIOL 200B	Organismal and Ecological Biology ²	—	4
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop ²	—	5
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108, 109	College Algebra and Trigonometry and Analytic Geometry	3	3
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Social Science ¹	—	3
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	5	—
_____ CHEM 340, 341	Organic Chemistry I and Laboratory ⁴	—	5
_____ PHSL 301	Survey of Human Anatomy	—	4
_____ PHYS 203A,B/253A,B	College Physics I and II and Labs ⁴	4	4
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ PSYC 102	Introduction to Psychology ¹	3	—
		15	16
<i>Third Year</i>		Fall	Spring
_____ CHEM 350, 351	Introduction to Biological Chemistry, Biochemistry Lab	—	4
_____ ENGL 290	Intermediate Analytical Writing	3	—
_____ Select, PHIL 105	Multicultural ¹ and Elementary Logic ¹	3	3
_____ MICR 301	Principles of Microbiology	4	—
_____ BIOL 305	Genetics—Classical and Molecular	3	—
_____ PHSL 310	Principles of Physiology ³	—	5
_____ PLB 360	Introductory Biostatistics	—	3
_____ Select	Major course requirements	3	—
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ CHEM 342	Organic Chemistry II	—	3
_____ Select	Interdisciplinary ¹	3	—
_____ Select	Major course requirements	12	9
_____ Select	Fine Arts ¹	—	3
		15	15

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Fulfills a University Core Curriculum human health requirement.

⁴ Pre-podiatry students must complete organic chemistry in the third year in order to take the Medical College Admission Test in the spring of that year.

Podiatry as a Career

No degree is given in pre-podiatry. Students must complete the major and college requirements for a bachelor's degree. Podiatry schools state some preference for biological science majors, but other majors are acceptable.

Professional training requires four years. Residencies of one to three years are required for specialties beyond general practice as a podiatrist. Specialties such as podiatry surgery and primary care podiatry medicine, pediatric and geriatric podiatry, sports medicine, and research may be chosen as alternatives to general practice.

General practice podiatrists are highly trained health care providers who specialize in the prevention, diagnosis, and treatment of problems affecting the foot and ankle. They see people of all ages and are often the first medical specialists to diagnose and treat systemic problems affecting the feet and ankles such as AIDS, gout, diabetes, hypertension, and osteoarthritis.

Pre-Veterinary Medicine

Pre-Professional Non-degree Program
College of Agricultural Sciences
College of Science

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SIUC does not offer a degree in pre-veterinary medicine. An academic major must be chosen. The pre-veterinary medicine curriculum is based on the requirements for application to University of Illinois College of Veterinary Medicine, the only veterinary school in Illinois. Although most accepted students have completed a bachelor's degree, students may apply to professional school after two years' undergraduate preparation. Some students choose to spread the required pre-veterinary courses through a third year. Students completing a degree should choose a major in either the College of Agricultural Sciences (i.e., Animal Science) or the College of Science (i.e., Zoology).

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry: Intro to Scientific Research	3	—
_____ Select	Human Health ¹	—	2
_____ PSYC 102	Introduction to Psychology	3	—
_____ Select	Social Science ¹	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108,109	College Algebra and Trigonometry and Analytic Geometry.....	3	3
_____ BIOL 200A,B	Cell and Molecular Biology, Genetics and Evolution and Organismal and Ecological Biology	4	4
		16	15
<i>Second Year</i>		Fall	Spring
_____ CHEM 200, 201, 202	Introduction to Chemical Principles, Lab, and Workshop ²	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry, Lab, and Workshop	—	5
_____ PHYS 203A,B/253A,B	College Physics and Lab	4	4
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ ZOOL 220B	Animal Diversity	—	5
		12	14
<i>Third Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	—
_____ BIOL 305	Genetics—Classical and Molecular.....	—	3
_____ CHEM 340, 341	Organic Chemistry and Lab I.....	5	—
_____ CHEM 350, 351	Introduction to Biological Chemistry ³ , Biochemistry Laboratory	—	4
_____ Select	Multicultural ¹	—	3
_____ Select	Major course requirements	7	5
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Interdisciplinary ¹	3	—
_____ Select	Major course requirements	12	12
_____ Select	Fine Arts ¹	—	3
		15	15

¹ See University Core Curriculum.

² Fulfills a University Core Curriculum science requirement.

³ Biological Chemistry is strongly recommended.

In addition to required pre-veterinary courses, there are recommended courses from which students may choose in accordance with their available time. These include equine courses, animal nutrition, behavioral manipulation of animals, comparative anatomy, cell physiology, environmental biology, organismic functional biology, business management or economics, and animal ethnology.

No degree is given in pre-veterinary studies. Students should choose an academic major in a science or in animal science and complete degree requirement simultaneously with the admission requirements of the veterinary school. Admission is competitive and is usually granted to the best-prepared students. Most first-year veterinary students have four or more years of pre-veterinary education.

Experience with animals, preferably working for a veterinarian, is essential. The University of Illinois requires a letter of recommendation from a veterinarian. The Graduate Record Examination (GRE) is now the standardized admissions test for the University of Illinois. It is offered three times each year at SIU Carbondale.

Veterinary Medicine as a Career

Completion of training in a school of veterinary medicine requires four years. The University of Illinois veterinary medicine program accepts Illinois residents, although a few out-of-state students may be accepted. While pre-veterinary students are preparing to apply to the veterinary school, they can develop related or alternate interests in the diverse offerings at SIU Carbondale.

Professional veterinarians have a variety of career choices—small animal practice, livestock disease prevention and control, meat inspection, control of diseases transmitted from animal to man, supervision of interstate movement of animals, or research in animal disease or in drugs used in animal care.

Pursuing a major in psychology prepares the student to seek employment in a wide variety of settings once the B.A. degree is earned and for study in numerous post-graduate programs. Pursuing a career as a professional psychologist normally requires at least two years of graduate work. An undergraduate degree in psychology also prepares the student for graduate work in other areas such as business, law, rehabilitation counseling, social work and medical school.

The Psychology Major comprises fourteen (four required and ten elective) Psychology courses for 42 semester hours credit. College algebra or equivalent mathematics is also required.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatedcatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Human Health ¹	—	2
_____ Select	Humanities ¹	—	3
_____ Select	Science ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ MATH 108/139/ 111/101	College Algebra or Finite Mathematics or Pre-Calculus or Introduction to Contemporary Mathematics ¹	3	—
_____ PSYC 102	Introduction to Psychology ^{2,5}	3	—
_____ UCOL 101P/PSYC 202	Foundations of Inquiry or Careers in Psychology ²	3	—
_____ Select	Electives ³	3	3
		18	14
<i>Second Year</i>		Fall	Spring
_____ PSYC 211	Research Methods and Statistics	—	4
_____ Select	Humanities ¹	—	3
_____ Select	English Composition	—	3
_____ Select	Social Science ¹	3	—
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Foreign Language ⁴	4	4
_____ Select	Psychology Electives ⁵	3	3
		13	17
<i>Third Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	—	3
_____ Select	Multicultural and Interdisciplinary ¹	3	3
_____ PSYC 311	Field Research Methods in Psychology ^{2,5}	4	—
_____ Select	300–400-level Psychology Electives	6	3
_____ Select	300–400-level Electives	3	6
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	400-level Psychology	6	3
_____ Select	300–400-level Psychology Electives	3	3
_____ Select	Electives	6	9
		15	15

¹ See University Core Curriculum.

² Required for a major in psychology.

³ Elective hours should be used to explore areas of interest, to enhance career opportunities, or to satisfy liberal arts requirements (see College of Liberal Arts.)

⁴ Two semesters (usually 8 semester hours) of a foreign language are required for all liberal arts students.

⁵ The required core of courses (PSYC 102, PSYC 202, PSYC 211 and 311) must be passed with a grade of C or better.

Psychology as a Major

The major program is aimed at providing broad general education rather than training in specialized professional psychological skills.

Representative First Job Titles

Alcoholism and drug addiction researcher, adoption worker, sales agent, senior citizens center (director), prisoner classification interviewer, probation and parole in-charge, rehabilitation and resettlement personnel, claims authorizer, drug abuse counselor, mental health clinic technician, human resources, government services, and other positions working with people, research or data.

Radio, Television, & Digital Media

College of Mass Communication and Media Arts
(Bachelor of Arts)

Dr. Novotny Lawrence, Acting Chair
1048 Communications Building
Telephone (618) 536-7555
<http://www.siu.edu/departments/cmcmal/>

The B.A. degree program in Radio, Television, & Digital Media meets the objectives of students preparing for leadership positions in the broadcasting industry or in related fields. Students must declare an area of concentration in one of four specializations—*broadcast news*, *television/video production*, *audio production* or *media industries*—and are encouraged to gain actual experience in any phase of broadcasting at University operated or local commercial radio and television stations and through internships.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	3	—
_____ Select	Humanities ¹	3	—
_____ Select	Mathematics ¹	—	3
_____ Select	Science ¹	—	3
_____ ENGL 101, 102	Composition I and II ²	3	3
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ UCOL 101	Foundations of Inquiry	3	—
_____ RTD 200	Understanding Electronic Media	3	—
_____ RTD 300	Introduction to Production	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	—
_____ Select	Social Science ¹	3	3
_____ Select	Science ¹	3	—
_____ Select	Radio-TV courses	3	3
_____ Select	Minor course	—	3
_____ Select	Foreign language or approved substitution	3-4	3-4
_____ Select	Radio-Television courses	—	3
		15-16	15-16
<i>Third Year</i>		Fall	Spring
_____ RT 308	Radio-Television Policies, Laws, and Regulations	3	—
_____ Select	Radio-TV courses	3	6
_____ Select	Minor courses	3	3
_____ Select	Multicultural and Interdisciplinary ¹	3	3
_____ Select	Electives	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Radio-TV courses	6	—
_____ RT 393	Radio, Television and Society	—	3
_____ Select	400-level radio-TV specialization course	—	3
_____ Select	Minor courses	3	3
_____ Select	Electives	6	4
_____ Select	Human Health ¹	—	2
		15	15

¹ See University Core Curriculum.

² Each student in radio-television must complete ENGL 101 and 102 with a grade of *B* by the end of his or her sophomore year, or a grade of *C* in English 290 (advanced composition) in order to take advanced courses in radio-television.

Transfer of Broadcasting Credits

Transfer students with broadcasting credits from two-year institutions may apply toward the major, as determined by course evaluations administered through the Radio, Television, & Digital Media advisement office.

A minor is required of all students who major in radio-television. The minor should comprise courses in a single discipline outside the department. Students should consult with an academic adviser for specific recommendations.

The major in radio-television consists of 33 semester hours in RTD course work. All students are required to take RTD 200, RTD 300, RTD 308, and RTD 393. In addition, they are expected to develop a concentration in a single area by taking concentrated courses in Electronic Journalism, Video/TV Production, Radio/Audio Production, Media Industries, Digital Media Arts and Animation, and Electronic Sports Media. Students are also required to complete at least 6–8 semester hours in foreign language or approved substitution. The Department of Radio, Television, and Digital Media with approximately 301 students, is one of the most respected programs of its kind in the nation.

Representative First Job Titles

Producer, director, sales representative, news writer, copywriter, news reporter, newscaster, announcer, program director, sales manager, researcher, community affairs director, disc jockey, station manager, broadcast engineer, radio account executive, camera technician, scriptwriter, news and assignment editor, continuity director.

Radiologic Sciences

College of Applied Sciences and Arts
(Bachelor of Science)

Kevin Scott Collins, Program Director
211B Applied Sciences and Arts Building
Telephone (618) 453-8800
E-mail: kscollin@siu.edu
<http://www.sah.siu.edu/RADS/rads.html>

The program in radiologic sciences prepares qualified health care professionals to function as first assistants to the physician in medical practice, using radiant energy, ionizing radiation (X-ray), other forms of electromagnetic energy, and sound waves for the imaging, diagnosis, and treatment of disease. The traditional medical specialties of radiography, radiation therapy, medical diagnostic sonography, and magnetic resonance imaging/computed tomography, are available at SIU Carbondale. Each distinct specialty option has its own educational criteria, accreditation, and clinical training requirements.

The program prepares technologists for entry-level positions and also prepares the technologist who wishes to gain additional expertise. The basic radiologic technology curriculum is designed to meet the guidelines for the American Registry of Radiologic Technologists. The bachelor's degree program with options in medical diagnostic sonography, magnetic resonance imaging/computed tomography, or radiation therapy, meets specific accreditation guidelines and provides opportunities for professional growth of the radiologic technologist.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	English Composition I and II.....	3	3
_____ MATH 108/101	College Algebra or Introduction to Contemporary Mathematics.....	3	—
_____ SPCM 101	Introduction to Oral Communication	—	3
_____ Select	Science Group 2	3	—
_____ Human Health	Human Health (Human Anatomy).....	2	—
_____ Select	Science Group 1	—	3
_____ Select	Social Science Group	—	3
_____ Select	Humanities Group	—	3
_____ UCOL 101, RAD 122A	Foundations of Inquiry and Seminar in RAD Sciences	3	2
		14	17
<i>Second Year</i>		Fall	Spring
_____ RAD 102	Introduction to Radiologic Technology and Radiographic Technique	3	—
_____ RAD 222	Radiography Clinic I (16 weeks) ¹	—	9
_____ RAD 112	Anatomy and Positioning	4	—
_____ RAD 202	Radiographic Physics.....	3	—
_____ Select	Core Social Science and Core Interdisciplinary	3	3
_____ Select	Core Humanities.....	3	—
		16	15
<i>Summer</i>			Summer
_____ RAD 212	Special Procedures.....	—	2
_____ RAD 232	Selected Systems (Radiography).....	—	4
			6
<i>Third Year</i>		Fall	Spring
_____ RAD 332	Radiography Clinic II (16 weeks)	9	—
_____ RAD 342	Radiation Biology.....	—	3
_____ RAD 322	Radiographic Contrast and Sectional Anatomy.....	—	3
_____ RAD 312	Radiographic Pathology.....	—	3
_____ RAD 352	Special Imaging Modalities.....	—	3
_____ Select	Fine Arts Group	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ RAD	Specialization Option Courses	13	12
			Summer
_____ RAD	Specialization Option Courses		6
			31

¹Students are assigned to regional hospitals for 40 hours per week for their clinical experiences. Clinic hours are arranged between 8 A.M. and 4:30 P.M., Monday through Friday, in most sites.

Recreation

(Therapeutic Recreation)
(Leisure Service Management)
(Outdoor Recreation Leadership and Management)
College of Education and Human Services
(Bachelor of Science)

307 Pulliam Hall
Telephone (618) 453-2777

College of Education and Human Services Advisement
122 Wham Education Building
Telephone (618) 453-6340
www.ehs.siu.edu/her

The specializations in leisure services management and therapeutic recreation in the Bachelor of Science degree program in recreation meet the objectives of students planning careers in the management of leisure-time pursuits. The *Therapeutic recreation* specialization uses activities to help those with disabilities live a more independent lifestyle whether in a community or a clinical setting. The *leisure services management* specialization emphasizes community recreation, campus recreation services, and commercial recreation management. The *outdoor recreation leadership and management* specialization focuses on the development of outdoor leadership skills and management of outdoor recreation environment and facilities.

The curriculum emphasizes the practical as well as the theoretical aspects of recreation by offering practicum's, supervised field experiences, and internships in various recreation settings throughout Illinois and the nation.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

First Year		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	Fine Arts ¹ <i>and</i> Human Health ¹	3	2
_____ Select, SPCM 101	Mathematics ¹ <i>and</i> Introduction to Oral Communication	3	3
_____ Select	Science ^{1, 2}	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Humanities ¹	3	3
		15	14
Second Year		Fall	Spring
_____ ENGL 290, PSYC 102	Science ¹	3	3
_____ Select	Humanities ¹	3	—
_____ Select	Multicultural ¹ <i>and</i> Social Science ¹	3	3
_____ REC 300, 302	Intro to Recreation & Leisure Services <i>and</i> Prog. Design and & Group Dynamics .	3	3
_____ REC 301, 303	Leadership in Recreation <i>and</i> Recreation for Individuals with Disabilities	3	3
_____ REC 305	Recreation Pre-Practicum	—	2
		15	14

¹ See University Core Curriculum.

² Therapeutic recreation specialization requires a course in anatomy and physiology approved by the department.

Recreation as a Major

Opportunities exist within the curriculum for students to take courses that provide a broad background in recreational activities and skills. Students are encouraged to join the Student Recreation Society where they can further their professional skill through various educational activities.

Representative First Job Titles

All aspects of recreation are expected to continue expanding. Recreation graduates are sought for positions such as park ranger, recreation supervisor, activity director, tour director, hotel manager, rehabilitation center activity specialist, golf course manager, fitness center manager, and nature center director.

Rehabilitation Services

College of Education and Human Services
(Bachelor of Science)

Dr. Stacia Robertson, Coordinator

310A Rehn Hall

Telephone (618) 536-7704

http://www.rehab.siu.edu/degree/rs_undergraduate.html

The B.S. degree program in rehabilitation meets the objectives of students with career interests in the field of rehabilitation. Employment can be found in community-based rehabilitation programs, mental health and retardation programs, independent living centers, and alcohol and drug abuse programs, among others.

The rehabilitation services courses are designed to help students develop a solid understanding of the field of rehabilitation, a familiarity with various disabilities people experience and the psychosocial aspects of these disabilities; an understanding of helping professions and the interpersonal skills required of helping professionals; knowledge of various community resources and the services provided by these resources; an awareness of basic practices in the field of rehabilitation; the skills to use the elementary principles of applied behavior analysis; oral, written, and non-verbal communication skills for working with people with disabilities, their families, and other service providers; a familiarity with professional organizations and journals in the field; a solid base of knowledge enabling the student to pursue graduate work.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Fine Arts ¹	3	3
_____ REHB 205	Disability and Chronic Disorders ⁵	3	—
_____ Select	Humanities ¹	—	3
_____ Select	Mathematics ¹	—	3
_____ Select	Social Science <i>and</i> Science ¹	3	3
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ SPCM 101	Introduction to Oral Communication ¹	3	—
		18	15
Second Year		Fall	Spring
_____ Select, PSYC 102	Humanities ¹ <i>and</i> Introduction to Psychology ²	3	3
_____ Select, REHB 406	Physical Science ¹ <i>and</i> Intro to Behavior Analysis and Therapy.....	3	3
_____ Select	Multicultural ¹ <i>and</i> Elective.....	3	3
_____ REHB 312, 445	Behavior and Society <i>and</i> Rehab Services with Special Populations	3	3
_____ REHB 400, 493	Intro to Rehabilitation <i>and</i> Clinical Evaluation.....	3	3
		15	15
Third Year		Fall	Spring
_____ REHB 401	Disability, Diversity and Society ⁴	3	—
_____ REHB 461	Introduction to Alcoholism and Drug Abuse ¹	—	3
_____ REHB 405, Select	Introduction to Aging and Rehabilitation <i>and</i> Elective	3	3
_____ REHB 407, Select	Basic Practices in Rehabilitation ⁴ <i>and</i> Elective.....	3	3
_____ REHB 445B, Select	Psychiatric Rehabilitation ⁴ <i>and</i> Elective	3	3
_____ Select	Approved Electives ³	3	3
		15	15
Fourth Year		Fall	Spring
_____ REHB 452	Individual Service Planning ⁴	3	—
_____ REHB 474	Introduction to Staff Supervision ⁴ (prerequisite 400).....	3	—
_____ REHB 495	Internship in Rehabilitation ⁴	—	9
_____ Select	Approved Electives ³	12	3
		18	12

¹ See University Core Curriculum.

² Fulfills University Core Curriculum social science requirement.

³ It is recommended that you take electives that correspond to your career interests. For example, if you are interested in working with the aging population, you may want to take REHB 446, REHB 447, HED 440, or PSYC 304. If you are interested in working in the area of substance abuse, then you may want to take REHB 471, PSYC 222, or HED 407.

⁴ If you are interested in the area of corrections, you may want to take REHB 445c, AJ 201, AJ 203, or AJ 384.

⁵ Students must earn a C or better in all required REHB-prefix courses.

⁶ Fulfills credit in Human Health area of UCC.

Rehabilitation Services as a Major

Six of the courses in the program, REHB 205, 312, 400, 401, 406, 407, provide the background for much of the information you will learn in subsequent classes. For that reason, we recommend that you take those as soon as possible. You must maintain a 2.25 GPA and a 2.5 in major REHB courses to remain in the program. Only one required rehabilitation course may be taken along with the internship (i.e., students must have earned a C or better in all but one required rehabilitation course). In addition to the required hours in REHB courses, students must also complete 41 hours of University Core Curriculum and 31 hours of electives.

Representative First Job Titles

Developmental training coordinator, independent living specialist, employment specialist, substance abuse technician, case manager, residential service director, job placement specialist, habilitation program coordinator.

Social Sciences

College of Education and Human Services
(Bachelor of Science)

Academic Advisement Office
122 Wham Education Building
Telephone (618) 453-6340

Dr. D. John McIntyre, Acting Chair
Curriculum and Instruction
327 Wham Education Building
Telephone (618) 536-2441
<http://ci.siu.edu/>

The B.S. degree program in Social Sciences with a history designation in the Department of Curriculum and Instruction meets the objectives of students preparing to teach in middle schools, junior high, and senior high schools. Graduates are licensed by the Illinois State Board of Education to teach grades 9–12 and to teach in public and private settings throughout the United States and in some foreign countries. Students will take course work in history, political science, economics, geography, psychology, and sociology.

SIU students seeking Illinois licensure must apply for licensure through the College of Education and Human Services Office of Teacher Education and must meet licensure requirements in effect at the time of their graduation. Licensure requirements are determined by the Illinois State Board of Education and are subject to change. Teacher licensure candidates are urged to consult the current SIU Carbondale Undergraduate Catalog and materials published by the SIU College of Education and Human Services Office of Teacher Education for updates to Illinois teacher licensure requirements.

NOTE: A sample curriculum follows; however requirements are currently undergoing changes.
For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at
<http://registrar.siu.edu/catalog/undergraduatecatalog.html>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I and II	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ ECON 113	Economics of Contemporary Social Issues	—	3
_____ SOC 108	Introduction to Sociology	—	3
_____ MATH 101, POLS 114	Intro to Mathematics ¹ and Intro to American Government and Politics.....	3	3
_____ UCOL 101, Select	Foundations of Inquiry and Science ¹	3	3
_____ PSYC 102	Introduction to Psychology	3	—
_____ Select	Fine Arts ¹ (HIST 201 recommended)	—	3
		15	18
<i>Second Year</i>		Fall	Spring
_____ HIST 207A,B	World History I and II	3	3
_____ HIST 300, 301	Origins of Modern America, 1492–1877 and Modern America from 1877 to the Present	3	3
_____ Select, HIST 367	Human Health ² and History of Illinois	2	3
_____ Select, GEOG 103	Science ¹ and World Geography	3	3
_____ EDUC 314, ECON 240/241	Human Growth, Development, & Learning and Intro to Micro/Macroeconomics ...	3	3
_____ EDUC 311	Diversity, Culture, and Education in a Pluralistic Society.....	3	—
_____ POLS 170/270	Global Politics or Intro to International Relations.....	—	3
		17	18

¹ See University Core Curriculum.

² Required for the major and fulfills a University Core Curriculum social science requirement

Social Science as a Major

The B.S. degree program with a history designation in social sciences education will prepare students to teach social studies in middle schools, junior high, and senior high schools. An endorsement in political science, psychology, economics, geography, or sociology may be added. Before the semester of student teaching students will have many opportunities to observe and work with young people in classrooms.

Students should be aware of requirements for entrance into the Teacher Education Program listed in the SIU Carbondale Undergraduate Catalog.

Transfer Students

Transfer students planning to complete the Teacher Education Program are encouraged to contact the College of Education and Human Services, office of Teacher Education Program at least one semester prior to enrolling at SIU Carbondale.

Social Work

College of Education and Human Services
School of Social Work
(Bachelor of Science)

Advisement Office
122 Wham Building
Telephone (618) 453-1235 or (618) 453-6340
Email: sswundergrad@siu.edu
<http://www.siu.edu/~socwork/index.html>

The B.S. degree program in social work meets the objectives of students with career interests in the human services field. Positions in child welfare, gerontology, mental health, health services, women's programs, and public and private social service agencies are typically available to graduates.

The curriculum provides an interdisciplinary approach to understanding people in contemporary society, basic social problems, and some of the issues associated with the prevention and treatment of these problems. Students are helped to understand the principles and basic skills employed in developing and delivering services to individuals, families, groups, and communities. Students are prepared for direct service practice in both rural and urban settings.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ PSYC 102, SOC 108	Introduction to Sociology <i>and</i> Introduction to Psychology ²	3	3
_____ Select	Fine Arts ¹	—	3
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select	Mathematics ¹	3	—
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Human Health ¹	—	2
_____ Select	Electives or courses for minor	—	4
		15	15
<i>Second Year</i>		Fall	Spring
_____ PLB 115/ZOOL 115/			
_____ ANTH 240A	General Biology <i>or</i> Human Biology	3	
_____ POLS 114, ECON 113	Introduction to American Government and Politics <i>and</i> Economics of Contemporary Social Issues ²	3	3
_____ Select	Science Group I	—	3
_____ Select	Humanities ¹	3	3
_____ Select	Electives <i>or</i> courses for minor	3	6
_____ Select	Multicultural Studies	3	—
		15	15
<i>Third Year</i>		Fall	Spring
_____ SOCW 275	Social Welfare as Social Institution	3	—
_____ SOCW 291	Social Services and Minority Groups	3	—
_____ SOCW 383	Interviewing and Interpersonal Helping Skills	3	—
_____ Select	Social Work Elective	3	—
_____ Select	300–400-level liberal arts electives	3	3
_____ SOCW 400A	Human Behavior in the Social Environment I	—	3
_____ SOCW 401	Generalist Practice I	—	3
_____ SOCW 421	Social Welfare Policy	—	3
_____ Select	Introduction to statistics course ³	—	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ SOCW 400B	Human Behavior in the Social Environment II	3	—
_____ SOCW 402	Generalist Practice II	3	—
_____ SOCW 411	Methods of Social Research	3	—
_____ Select	Social Work Elective	3	—
_____ Select	Electives or courses for minor	3	3
_____ SOCW 441	Field Practicum ⁴	—	9
_____ SOCW 442	Field Practicum Seminar	—	3
		15	15

¹ See University Core Curriculum.

² Required courses for social work students.

³ Required to enroll in SOCW 411.

⁴ Students must have an overall GPA of 2.25 *and* a GPA of 2.5 (on a 4.0 scale) in core social work courses (275, 291, 383, 400a, 400b, 401, 402, 411, 421) to enroll in Field Practicum.

Third and Fourth Years

The last two years of the program concentrate on specific professional objectives.

In addition to social work courses, an introduction to statistics course is required, as well as two 300- or 400-level liberal arts electives selected from anthropology, philosophy, history, political science, psychology, or sociology.

An essential aspect of the social work program is an intensive field practicum that helps students integrate theoretical knowledge and helping skills learned in the classroom with the actual settings of Southern Illinois social service agencies. A concurrent weekly seminar supports this integration of theory and practice.

Representative First Job Titles

Social worker, social welfare aide, case manager, child welfare specialist, residential welfare facilitator, employment aide, cooperative extension service worker, recreation worker, alcoholism and drug addiction counselor, child placement agent, community planning and redevelopment expert, probation and parole officer, case aide, outreach worker, residential care worker, mental health worker, activities director.

Sociology

College of Liberal Arts
(Bachelor of Arts)

Dr. Darren E. Sherkat, Interim Chair

3384 Faner Hall

Telephone (618) 453-2494

<http://sociology.siu.edu/>

The B.A. degree program in sociology meets the objectives of students considering employment in a wide range of organizations, from businesses to research institutes to social service agencies. A degree in sociology can also prepare students for graduate work in law, social work, public administration, rehabilitation, library science, and administration of justice, as well as sociology.

Sociology is the science of society. It studies how human groups, institutions, and social movements shape people's lives. Because sociology prepares students to think and act critically in the practical details of life, sociology students study such topics as the city, juvenile delinquency, marriage and the family, sex-roles, criminology, social change, complex organizations, power, and social inequality. Training in sociology is basic both to creative living and to such practical tasks as the development and effective working of businesses, families, community service agencies, political movements and parties, churches, social clubs, government, industry, and schools.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ Select	Science ¹	3	3
_____ SOC 108	Introduction to Sociology ^{1,2}	—	3
_____ Select	Humanities ¹	—	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ Select	Mathematics ¹	3	—
_____ Select	Human Health ¹	2	—
_____ Select	Fine Arts ¹	—	3
		14	15
<i>Second Year</i>		Fall	Spring
_____ Select	Elective	3	—
_____ Select	Humanities ¹	3	—
_____ Select	Social Science ¹	—	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Foreign Language ³	4	4
_____ Select	200 or 300-level Sociology Electives ²	3	3
_____ Select	Electives ⁴	—	6
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	Elective	—	3
_____ SOC 301	Theory and Society ²	3	—
_____ SOC 308	Statistics for Social Science ²	4	—
_____ SOC 312	Elements of Sociological Research ^{2,5}	—	4
_____ Select	Sociology electives ²	3	3
_____ Select	Integrative Studies	3	—
_____ Select	Electives ⁴	3	6
		16	16
<i>Fourth Year</i>		Fall	Spring
_____ SOC 497/498	Senior Seminar or Independent Research ^{2,5}	—	4
_____ Select	400-level sociology courses ²	3	3
_____ Select	Electives ⁴	11	6
		14	13

¹ See University Core Curriculum.

² Required for the sociology major.

³ Two semesters (usually 8 semester hours) of a foreign language are required for all liberal arts students.

⁴ Elective hours should be used to explore areas of interest and to enhance career opportunities; courses may be selected to satisfy liberal arts requirements.

⁵ COLA requires a writing intensive course beyond the English composition requirements of the Core Curriculum. Information on courses that will fulfill this requirement is available from the academic adviser.

Sociology as a Major

The Department of Sociology offers two alternative plans of study for completion of its major.

General sociology is for those seeking a broad academic background in sociology and is usually chosen by those who want a general liberal arts education in the social sciences or those anticipating graduate study in social science.

Applied sociology combines the general program in sociology with individually planned programs built around applied courses and fieldwork experience to give students actual experience in a variety of applied settings and to enhance mastery of specific skills sought by employers.

Representative First Job Titles

Administrative aide (government), business management officer, child care worker, corrections/parole officer, community relations personnel, journalist, advertising agent, marketing researcher, labor relations specialist, lawyer, health care researcher, health services manager, public survey analyst, teacher, urban planner, personnel officer, social service worker.

Spanish

(International Public Service)
College of Liberal Arts
(Bachelor of Arts)

Dr. Anne Winston-Allen, Chair
2162 Faner Hall
Telephone (618) 536-5571
<http://languages.siu.edu>

The B.A. degree program in foreign language meets the objectives of students preparing for employment in language-centered careers or in non-language areas where language proficiency is a supporting factor. Government agencies and businesses with international dealings employ great numbers of individuals—scientists, engineers, librarians, social workers—who can enhance their employment and career possibilities with appropriate training in foreign languages.

Programs of study in foreign languages leading to the B.A. degree (with or without teacher certification) are offered in Classics, foreign language and international trade, French, German Studies, Russian, and Spanish. There is also course work in East Asian studies for students who have a professional or occupational interest in Asia, and an international public service specialization in French, German Studies, and Spanish.

Students majoring in a foreign language usually begin at the second or third level. Students who have taken two years of one foreign language in high school (or equivalent) may earn 200 or 300 level proficiency credit through taking a proficiency examination in Latin at SIU Carbondale Testing Services or in Chinese, Greek, or Japanese, at SIU Carbondale's foreign languages and literatures department. The Department of Foreign Languages and Literatures will honor CLEP credit in French, German Studies, and Spanish. As an alternative, or for additional credit, students *who can enter at the 200 level or above* are encouraged to take a validating course. Since credit of up to 16 hours is available, such students are in an advantageous position to complete a double major. Students who have previously studied Spanish must take the on-line placement test before enrolling in a language class. Students may access the test at <http://webcape.byuhtsc.org>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ GER 101A,B	German Language and Culture ³	4	4
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ Select, Select	Core MATH ² <i>and</i> Fine Arts ²	3	3
_____ Select	Core Social Science ²	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Human Health ²	3	2
		16	15
<i>Second Year</i>		Fall	Spring
_____ Select	Science ¹ <i>and</i> Core Humanities ¹	3	6
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Multicultural ¹ <i>and</i> Elective <i>or</i> Specialization requirements ⁵	6	5
_____ SPAN 201A,B	Second-Year Spanish ^{3, 6} 4	4	4
		16	15
<i>Third Year</i>		Fall	Spring
_____ SPAN 320A,B	Third-Year Grammar and Composition ⁷	4	3
_____ SPAN 306, 335/370	Intermediate Readings in Spanish, Intro to Business Spanish <i>or</i> Hispanic Culture and Civilization	3	3
_____ SPAN 310	Spanish Literature	—	3
_____ Select	CoLA Science ¹ <i>and</i> Core Multicultural Course ¹	3	3
_____ Select	Elective	6	3
		16	15
<i>Fourth Year</i>		Fall	Spring
_____ SPAN 411/412	Linguistic Structure of Spanish <i>or</i> History of the Spanish Language.....	3	—
_____ Select	400-level Spanish Literature courses	3	3
_____ Select, SPAN 410	400-level Spanish course <i>and</i> Advanced Language Study	3	3
_____ Select	Elective	6	3
_____ Select	Interdisciplinary Course ¹	3	3
		18	12

*See also Foreign Languages (Teaching).

¹ See University Core Curriculum.

² Two semesters (usually 8 semester hours) of a foreign language are required for all liberal arts students. The first year of Spanish does not count towards the major.

Spanish 175–5 may substitute for 140A,B.

³ Only one semester of Intermediate Conversation may count toward the major.

⁵ Required in the international public service specialization along with SPCM 301i, ANTH 340, POLS 270, 340, and 371.

⁶ Foreign language above 201a substitutes for 3 hours of humanities.

⁷ SPAN 320 fulfills College of Liberal Arts writing-across-the-curriculum requirement.

Spanish as a Major

A major in Spanish consists of 36 semester hours: the 18 of the Spanish minor plus 310, 335 or 370. 410. 411, or 412, 4XX Lit., and 4XX Elective.

A minor in Spanish consists of the following courses: 201A, 201B, 320A, 320B, and 306.

Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU Carbondale to include 320A, 320B, and 410.

Representative First Job Titles

Customer services personnel, flight attendant, public relations officer, publications personnel, executive secretary, announcer, continuity writer, government agencies (FBI, UN, Washington, DC), social services, law enforcement, marketing, international relations, teacher, health care management.

Special Education

Learning Behavior Specialist I

College of Education and Human Services
(Bachelor of Science)

Dr. Lyle White, Chair
223 Wham Education Building
Telephone (618) 536-7763
<http://www.siu.edu/departments/coe/epse/>

Chief Academic Advisor
122 Wham Education Building
Telephone (618) 453-2354

The B.S. degree program in special education meets the objectives of students preparing to work with children with specific learning disabilities, emotional disturbance, mental retardation, autism, traumatic brain injury, orthopedic or other health impairment. Students seeking the Initial Special Certificate will complete a minimum 132-semester-hour program leading to certification as a Learning Behavior Specialist I (LBSI). Students who wish to obtain joint certification in special education and elementary education must complete a 144 -hour programs.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ SPCM 101, Select	Introduction to Oral Communication <i>and</i> Fine Art ¹	3	3
_____ CI/MATH 120, 220	Mathematics Content and Methods for the Elementary School I <i>and</i> II	3	3
_____ PSYC 102, Select	Introduction to Psychology ¹ <i>and</i> Group I Science ²	3	3
_____ Select	Human Health ¹ <i>and</i> Humanities ¹	2	3
		17	15
<i>Second Year</i> ³		Fall	Spring
_____ Select	Humanities ¹	—	3
_____ Select	Social Science ¹ <i>and</i> Group II Science ²	3	3
_____ EDUC 311	Diversity, Culture, and Education in a Pluralistic Society	3	—
_____ EDUC 314	Human Growth, Development and Learning	3	—
_____ CDS 328	CDS and the Classroom Teacher	—	3
_____ SPED 300, 410	Introduction to Special Education <i>and</i> Characteristics	3	3
_____ EDUC 313, 301	Reflective Classroom Planning <i>and</i> Reflective Instructional Practices	4	—
_____ SPED 422	Teaching Reading in the Elementary School	—	3
		16	15

¹ See University Core Curriculum.

² Must choose SCI 210A/B if completing dual certification in Elementary Education and Special Education.

³ Immediately after completing 30 hours of college credit (including ENGL 101 and 102 with a grade of C or higher), with an overall GPA of 2.75 (4.0 = A) or higher, students should apply to the SIU Carbondale College of Education and Human Services teacher education program.

Special Education as a Major

The teacher education program is a professional education sequence that culminates in a semester of student teaching. The special education core is designed to give students a thorough overview of the field, beginning with an introductory course. After that comes study in assessment, general procedures, functional curriculum, behavior management, academic methods, secondary programming, and home-school coordination in special education, followed by child psychology and psychopathology or human behavior and mental health. Other courses prepare students to teach reading, mathematics, and instruction of other content areas.

Speech Communication

(Intercultural Communication)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor

Communications 2249

Telephone (618)-453-8114

<http://www.siu.edu/departments/cola/spcm/>

The Bachelor of Science degree in Speech Communication with a specialization in Intercultural Communications meets the objectives of students considering domestic and international careers in business, industry, teaching and government with a focus on intercultural understanding, consensus and appreciation.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of oral communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I and II.....	3	3
_____ Select, SPCM 101	Humanities ¹ and Introduction to Oral Communication	3	3
_____ Select	Science ¹	3	—
_____ Select	Social Science ¹	3	3
_____ Select	Mathematics	—	3
_____ Select	Fine Arts ¹	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Elementary Foreign Language I, II ²	4	4
_____ Select	Human Health ¹	2	—
_____ Select	Humanities ¹	3	—
_____ Select	Science ¹	3	—
_____ SPCM 3011	Communication Across Cultures ¹	—	3
_____ SPCM 230	Introduction to Communication Theory	—	3
_____ SPCM 262	Interpersonal Communication	3	—
_____ Select	Electives	—	5
		15	15
<i>Third Year</i>		Fall	Spring
_____ *Select	Public Communication Skills	3	—
_____ *Select	Interpersonal Communication Skills.....	3	—
_____ SPCM 361	Nonverbal Communication	—	3
_____ *Select	Speech Communication Electives	—	6
_____ ENGL 290	Intermediate Analytical Writing ²	3	—
_____ Select	Electives	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ SPCM 440	Language Culture and Communication	—	3
_____ SPCM 448	Intercultural Training.....	3	—
_____ SPCM 441	Advanced Intercultural Communication: Theory and Practice	—	3
_____ *Select	Speech Communication Electives	6	3
_____ Select	Electives	6	6
		15	15

*Major requirements. Refer to the current SIU Carbondale Undergraduate Catalog for specific requirements for each departmental specialization. Some courses are not offered every year. Students should work closely with their SIU academic adviser and plan ahead to enroll in required courses when available.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

Secondary school and community college students are encouraged to take part in as much speech activity work as possible before entering SIU Carbondale. Those students interested in aspects of oral communication should take elective work in high school or at the community college in the social science areas.

Speech Communication as a Major

Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specialization.

Representative First Job Titles

Technical writer, visitors' guide, communications specialist, advertising agent, editor, public relations officer, publications staff, personnel interviewer, publicity staff, newspaper reporter, radio announcer, speech writer, manufacturer's representative, salesperson, newscaster, television announcer, retail manager, communication trainer, legislative assistant, public information officer, diplomat, foreign relations officer, foreign correspondent, student tour coordinator.

Speech Communication

(Interpersonal Communications)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor
Communications 2249
Telephone (618) 453-8114
<http://www.siu.edu/departments/cola/spcm/>

The B.S. degree program in Speech Communication with an Interpersonal Communication Specialization meets the objectives of students considering careers in communication research, conflict management, and employee or client relations, and interested in communication in interpersonal relationships, language in everyday interactions, group communication dynamics, and non-verbal and intercultural aspects of communication.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of oral communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Fine Arts ¹	—	3
_____ Select	Humanities ¹	—	3
_____ Select	Science ¹	3	—
_____ Select	Mathematics	—	3
_____ Select	Social Science ¹	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Elementary Foreign Language I and II ²	4	4
_____ Select	Science ¹	—	3
_____ Select	Human Health ¹	2	—
_____ Select	Humanities ¹	3	—
_____ SPCM 301I	Communication Across Cultures ¹	3	—
_____ SPCM 230	Introduction to Communication Theory	—	3
_____ SPCM 261	Small Group Communication	3	—
_____ SPCM 262	Interpersonal Communication	—	3
_____ Select	Electives	—	2
		15	15
<i>Third Year</i>		Fall	Spring
_____ SPCM 361	Nonverbal Communication	3	—
_____ ENGL 290	Intermediate Analytical Writing ²	3	—
_____ *Select	Public Communication Skills	—	3
_____ *Select	Interpersonal Communication Skills	3	—
_____ *Select	Speech Communication Electives	—	6
_____ Select	Electives	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ SPCM 463	Interpersonal Conflict	3	—
_____ *Select	Speech Communication Electives	6	6
_____ Select	Electives	6	9
		15	15

* Major requirements. Refer to the current SIU Carbondale Undergraduate Catalog for specific requirements for each departmental specialization. Some courses are not offered every year. Students should work closely with their SIU Carbondale academic adviser and plan ahead to enroll in required courses when available.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

Secondary school and community college students are encouraged to take part in as much speech activity work as possible before entering SIU Carbondale. Those students interested in aspects of oral communication should take elective work in high school or at the community college in the social science areas.

Speech Communication as a Major

Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specialization.

Representative First Job Titles

Technical writer, visitors' guide, communications specialist, advertising agent, editor, public relations officer, publications staff, personnel interviewer, publicity staff, newspaper reporter, radio announcer, speech writer, manufacturer's representative, salesperson, newscaster, television announcer, retail manager, human resources trainer.

Speech Communication

(Organizational Communication)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor
Communications 2249
Telephone (618) 453-8114
<http://www.siu.edu/departments/cola/spcm/>

The B.S. degree program in Speech Communication with an Organizational Communication specialization meets the objectives of students interested in organizational communication. Topics covered include organizational climate and culture, organizational networks, information flow, communication audit methods, impact of new communication technology, superior-subordinate interaction, compliance-gaining, and conflict resolution.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of oral communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____UCOL 101	Foundations of Inquiry	3	—
_____ENGL 101, 102	Composition I and II.....	3	3
_____SPCM 101	Introduction to Oral Communication	3	—
_____Select	Mathematics ¹	—	3
_____Select	Fine Arts ¹	—	3
_____Select	Humanities ¹	—	3
_____Select	Science ¹	3	—
_____Select	Social Science ¹	3	3
		<u>15</u>	<u>15</u>
<i>Second Year</i>		Fall	Spring
_____Select	Elementary Foreign Language I and II ²	4	4
_____Select	Human Health ¹	2	—
_____Select	Humanities ¹	3	—
_____Select	Science ¹	—	3
_____SPCM 301I	Communication Across Cultures ¹	3	—
_____SPCM 230	Foundations of Communication	—	3
_____SPCM 280	Business and Professional Communication	3	—
_____SPCM 281	Introduction to Public Relations	—	3
_____Select	Electives	—	2
		<u>15</u>	<u>15</u>
<i>Third Year</i>		Fall	Spring
_____SPCM 326	Persuasion	—	3
_____SPCM 383	Interviewers and Interviewing	—	3
_____ *Select	Public Communication Skills	—	3
_____ *Select	Interpersonal Communication Skills.....	3	—
_____ *Select	Speech Communication Elective.....	3	3
_____Select	Electives	6	3
_____ENGL 290	Intermediate Expository Writing ²	3	—
		<u>15</u>	<u>15</u>
<i>Fourth Year</i>		Fall	Spring
_____SPCM 480	Dynamics of Organizational Communication	3	—
_____SPCM 483	Studies in Organizational Communication	—	3
_____ *Select	Speech Communication Electives	3	3
_____Select	Electives	9	9
		<u>15</u>	<u>15</u>

* Major requirements. Refer to the current SIU Carbondale Undergraduate Catalog for specific requirements for each departmental specialization. Some courses are not offered every year. Students should work closely with their SIU Carbondale academic advisor and plan ahead to enroll in required courses when available.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

Secondary school and community college students are encouraged to take part in as much speech activity as possible before entering SIU Carbondale. Those students interested in aspects of oral communication should take elective work in high school or at the community college in the social science areas.

Speech Communication as a Major

Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specializations.

Representative First Job Titles

Technical writer, visitors' guide, communications specialist, advertising agent, editor, public relations officer, publications staff, personnel interviewer, publicity staff, newspaper reporter, radio announcer, speech writer, manufacturer's representative, salesperson, newscaster, television announcer, retail manager.

Speech Communication

(Performance Studies)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor
2249 Communications
Telephone (618) 453-8114
<http://www.siu.edu/departments/cola/spcm/>

The B.S. degree program in Speech Communication with a specialization in Performance Studies meets the objectives of students interested in theatrical and everyday performance and the oral interpretation of literature and in careers in performance, writing as performance, and public presentation in forums from the arts to business.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Science ¹	3	—
_____ Select	Social Science ¹	3	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Humanities ¹	—	3
_____ Select	Mathematics ¹	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Elementary Foreign Language I, II ²	4	4
_____ Select	Humanities ¹	3	—
_____ Select	Human Health ¹	2	—
_____ Select	Science ¹	—	3
_____ SPCM 201	Performing Culture ¹	3	—
_____ SPCM 230	Foundations of Communication	—	3
_____ SPCM 370	Oral Interpretation II	—	3
_____ SPCM 371	Storytelling and the Oral Tradition	3	—
_____ Select	Electives	—	2
		15	15
<i>Third Year</i>		Fall	Spring
_____ SPCM 390F/490F	Applied Communication or Communication Practicum	—	1
_____ SPCM 471/472	Prose Fiction in Performance or Poetry in Performance	3	—
_____ SPCM 474/475/476	Staging Literature or Production Texts and Contexts or Writing as Performance	—	3
_____ *Select	Public Communication Skills	3	—
_____ *Select	Interpersonal Communication Skills	—	3
_____ *Select	Speech Communication Elective	3	3
_____ ENGL 290	Intermediate Expository Writing ²	3	—
_____ Select	Electives	3	5
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ *Select	Speech Communication Electives	3	3
_____ SPCM 474/475/476	Staging Literature or Production Texts and Contexts or Writing as Performance	3	—
_____ SPCM 471/472	Prose Fiction in Performance or Poetry in Performance	3	—
_____ Select	Electives	6	12
		15	15

*Major requirements. Refer to the current SIU Carbondale Undergraduate Catalog for specific requirements for each departmental specialization. Some courses are not offered every year. Students should work closely with their SIU Carbondale academic adviser and plan ahead to enroll in required courses when available.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

Secondary school and community college students are encouraged to take part in as much speech activity as possible before entering SIUC. Those planning to specialize in performance studies are encouraged to take as many literature courses as possible. Students interested in other aspects of oral communication should take elective work in high school or at a community college in the social science areas.

Speech Communication as a Major

Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specializations.

Representative First Job Titles

Art's Coordinator, theater manager, actor, model, human resources trainer, public relations specialist, stage manager, visitors' guide, communications specialist, personnel interviewer, publicity staff, radio announcer, speech writer, manufacturer's representative, salesperson, television announcer, retail manager.

Speech Communication

(Persuasive Communication)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor
2249 Communications
Telephone (618) 453-8114
<http://www.siu.edu/departments/cola/spcm/>

The B.S. degree program in Speech Communication with a Persuasive Communication specialization meets the objectives of students interested in public and political discourse, argumentation, rhetoric, social influence, and media, and careers in law, politics, sales, corporate and public advocacy, and selected areas in business and mass media.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Mathematics ¹	—	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Humanities ¹	—	3
_____ Select	Science ¹	3	—
_____ Select	Social Science ¹	3	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ Select	Elementary Foreign Language I, II ²	4	4
_____ Select	Human Health ¹	2	—
_____ Select	Humanities ¹	3	—
_____ Select	Science ¹	—	3
_____ Select	Multicultural ¹	3	—
_____ SPCM 221	Advanced Public Speaking	3	—
_____ SPCM 230	Foundations of Communication	—	3
_____ *Select	Interpersonal Communication Skills.....	—	3
_____ Select	Electives	—	2
		15	15
<i>Third Year</i>		Fall	Spring
_____ SPCM 325	Argumentation and Debate.....	3	—
_____ SPCM 326	Persuasion	—	3
_____ *Select	Speech Communication Elective.....	—	3
_____ *Select	Persuasive Communication Elective	3	3
_____ *Select	Public Communication Skills.....	3	—
_____ Select	Electives	6	6
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ *Select	Speech Communication Electives	3	9
_____ Select	Electives	9	6
_____ SPCM 411	Rhetorical Criticism.....	3	—
		15	15

* Major requirements. Refer to the current SIU Carbondale Undergraduate Catalog for specific requirements for each departmental specialization. Some courses are not offered every year. Students should work closely with their SIU Carbondale academic adviser and plan ahead to enroll in required courses when available.

¹ See University Core Curriculum.

² College of Liberal Arts requirement

Secondary school and community college students are encouraged to take part in as much speech activity as possible before entering SIU Carbondale. Students interested in aspects of oral communication should take elective work in the social sciences in high school or at a community college.

Speech Communication as a Major

Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specializations.

Representative First Job Titles

Technical writer, visitors' guide, communications specialist, advertising agent, editor, public relations officer, publications staff, personnel interviewer, publicity staff, newspaper reporter, radio announcer, speech writer, manufacturer's representative, salesperson, newscaster, television announcer, retail manager, lobbyist, human relations trainer.

Speech Communication

(Public Relations)
College of Liberal Arts
(Bachelor of Science)

Jay Lewis, Academic Advisor

2249 Communications

Telephone (618) 453-8114

<http://www.siu.edu/departments/cola/spcm/>

The B.S. degree program in Speech Communication with a Public Relations specialization meets the objectives of students considering positions in such areas as public relations, advertising, marketing, government relations, and sales.

Many careers demand the ability to communicate well. The Department of Speech Communication offers a wide range of courses in the history, theory, and successful use of oral communication. The department also sponsors co-curricular activities in debate, performance studies, and public relations. Students on the debate team compete regularly and are ranked among the best in national competition. Public relations students at SIU Carbondale have consistently won national recognition for their projects.

The Pyramid Public Relations Agency, run under faculty supervision by students in the program, gives students practical experience in applying what they have learned. Membership in the Raymond D. Wiley Chapter of the Public Relations Student Society of America provides opportunities for internships, field trips, job placement, involvement in on- and off-campus public relations projects, and association with professional practitioners. The department also encourages internships and practicums.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

First Year		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102	Composition I and II	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Humanities ¹	3	3
_____ Select	Mathematics ¹	—	3
_____ Select	Fine Arts ¹	—	3
_____ Select	Social Science ¹	3	3
		15	15
Second Year		Fall	Spring
_____ Select	Elementary Foreign Language I, II ²	4	4
_____ Select	Human Health ¹	—	2
_____ Select	Science ¹	3	3
_____ ENGL 300	Introduction to Language Analysis	3	—
_____ SPCM 230	Foundations of Communication	3	—
_____ SPCM 280	Business and Professional Communication	—	3
_____ SPCM 281	Introduction to Public Relations	3	—
_____ SPCM 390H/494H	Applied Communication P.R. or Internship in Public Relations	1	1
_____ Select	Electives	—	2
		17	15
Third Year		Fall	Spring
_____ Select	Multicultural ¹	3	—
_____ JRNL 310	Writing for Mass Media	—	3
_____ JRNL 335	Graphic Communication	—	3
_____ SPCM 326	Persuasion	—	3
_____ SPCM 381	Public Relations in Practice	3	—
_____ SPCM 382	Research Methods in Public Communications	3	—
_____ SPCM 390H/494H	Applied Communication P.R. or Internship in Public Relations	1	—
_____ *Select	Public Relations Elective	3	—
_____ *Select	Public Communication Skills	—	3
_____ Select	Minor	3	3
		16	15
Fourth Year		Fall	Spring
_____ JRNL 302/311	Copy Writing or Reporting and News Writing	3	—
_____ SPCM 481	Public Relations Cases and Campaigns	3	—
_____ *Select	Interpersonal Communication Skills	3	—
_____ Select	Minor	3	6
_____ Select	Electives	3	6
		15	12

* Major requirements.

¹ See University Core Curriculum.

² College of Liberal Arts requirement.

NOTE: Students must demonstrate proficiency in typing at least 30 words per minute.

Speech Communication as a Major

The public relations specialization is an interdisciplinary program, with a focus on communication studies, designed with the assistance of and approved by the Public Relations Society of America. Graduate degrees (M.A. and Ph.D.) are available in speech communication. Students choose electives to build their chosen specializations.

Representative First Job Titles

Technical writer, visitors' guide, communications specialist, advertising agent, editor, public information officer, public relations officer, publications staff, personnel interviewer, publicity staff, newspaper reporter, radio announcer, speech writer, manufacturer's representative, salesperson, newscaster, television announcer, account executive, and legislative assistant, retail manager.

Technical Resource Management

(Formerly Advanced Technical Studies)
College of Applied Sciences and Arts
(Bachelor of Science)

Joan Davis, Interim Director
School of Information Systems and Applied Technologies
106 Applied Sciences and Arts Building
Telephone: (618) 453-7253
isat.siu.edu/trm

The Bachelor of Science degree program in Technical Resource Management (TRM) is designed specifically for the individual who has entered a career path for which a traditional baccalaureate degree is not available. The degree program is a flexible, individually designed program of study emphasizing technical leadership and supervision for students with a broad range of technical education, interests, and experience. It is ideally suited for graduates of occupational training programs in accredited institutions of higher education.

The Technical Resource Management program has a long history of serving students from community colleges throughout Illinois. A number of Illinois community college programs have transfer agreements with the TRM program. Such agreements are designed to help students prepare for transfer into the Technical Resource Management program at Southern Illinois University Carbondale by outlining the most efficient academic plan for a particular technical discipline. To determine whether a community college program has an agreement with TRM, contact the community college or the School of Information Systems & Applied Technologies.

Students who are interested in pursuing a degree in Technical Resource Management are encouraged to contact a program representative as early as the first semester at their community college. For more information, contact the School of Information Systems & Applied Technologies. Contact information may be found at isat.siu.edu/trm.

Requirements for a Major in Technical Resource Management

Freshman and Sophomore Years. The freshman and sophomore years are usually satisfied by an A.A.S. degree or equivalent course work, and students enter Technical Resource Management as juniors. Typically, 6–15 hours of University Core Curriculum are satisfied within the A.A.S. degree.

Students may be eligible for occupational education or work experience credit. Credit is established by departmental evaluation. Cooperative education, internships and independent study opportunities may be available on approval by the student's advisor.

University Core Curriculum Requirements. The 41-hour University Core Curriculum requirement may be satisfied by courses completed at any accredited college or university, or by credit received through CLEP, USAFI, DANTES, or proficiency examinations. For more information, consult the current SIUC undergraduate catalog.

Students who have completed an A.A.S. degree may be eligible for the Capstone Option, which reduces the required number of University Core Curriculum hours from 41 to 30. Additional requirements must be met and are detailed under Capstone Option.

Departmental Requirements/Approved Electives. 36 hours required. The Technical Resource Management curriculum builds upon an individual's educational and occupational experiences with courses selected to meet technical career objectives. Students complete 21 hours of TRM courses, with a foundation that includes technical information, work center management, data analysis, managing quality, and project management. Additional courses are selected to build skills in labor-management relations, fiscal and legal issues, international trade, sustainable business, and professional development. Each student is also required to complete a cohesive 15-hour group of Approved electives that prepares the student for advancement in his/her specific field of technical training.

TOTAL: 120 hours minimum

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

Third Year		Fall	Spring
_____ TRM 316	Applications of Technical Information	3	—
_____ TRM 364	Work Center Management	—	3
_____ TRM 383	Data Interpretation	3	—
_____ Select	Mathematics <i>and</i> Science <i>or</i> other UCC as needed ¹	3	3
_____ Select	Humanities <i>or</i> other UCC as needed ¹	—	3
_____ TRM 361/362/440	Fiscal Aspects of Technical Management <i>or</i> Legal Aspects of Technical Management <i>or</i> Technology and Management of Sustainable Enterprises	—	3
_____ TRM 332/421/426	Labor-Management Relations <i>or</i> Professional Development <i>or</i> Technology and International Trade	3	—
_____ Select	Approved electives	3	3
Total		15	15
Fourth Year		Fall	Spring
_____ TRM 464	Managing For Quality	3	—
_____ TRM 470	Project Management	—	3
_____ Select	Fine Arts <i>and</i> Social Science <i>or</i> other UCC as needed	3	3
_____ Select	UCC as needed <i>or</i> electives	6	3
_____ Select	Approved electives	3	6
Total		15	15

Representative First Job Titles

Supervisor; team leader; district sales and service manager; construction foreman; project manager; project coordinator; technical manager.

Theater

(Design/Tech Specialization)
College of Liberal Arts
(Bachelor of Arts)

Jay Lewis, Academic Advisor
2249 Communications Building
Telephone (618) 453-8114
<http://theater.siu.edu/>

The SIUC Department of Theater is an accredited institutional member of the National Association of Schools of Theater (see page 4 for addresses and phone numbers of national accrediting agencies). The Department of Theater blends scholarship and practice into an academically based theater experience. The B.A. degree program in theater meets the objectives of students preparing for careers in professional, educational, or community theater, as well as establishing a solid academic foundation for many complementary fields. The theater program provides comprehensive course work in performance, directing, play writing, and design.

Courses in acting, voice, movement, directing, theater history, dramatic literature, playwriting, production design, and technical theater, are augmented by an extensive production schedule in two on-campus theaters. Courses in theater history, dramatic theory, and criticism, and specialized courses, such as children's theater and theater management, complement the program. The production schedule is extensive enough to allow students to design sets, lights, and costumes and to write, act, and direct for these productions. Seminars in dramaturgy and American theater, coordinated with ongoing research projects and visits of artists-in-residence, enhance the total experience.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101	Foundations of Inquiry	3	—
_____ ENGL 101, 102/ LING 101, 102	Composition I and II	3	3
_____ SPCM 101	Introduction to Oral Communication	3	—
_____ Select	Humanities ¹	—	3
_____ Select	Mathematics	—	3
_____ THEA 220	Freshman Theater Seminar ²	3	—
_____ THEA 218A, 218B/C	Stagecraft: Scenery and Stagecraft-Lighting or Costumes	3	3
_____ THEA 217	Beginning Acting	—	3
		15	15
<i>Second Year</i>		Fall	Spring
_____ THEA 311A	Play Analysis	3	—
_____ Select	Elementary Foreign Language I and II	4	4
_____ THEA 205	Stage Make-up	—	2
_____ Select	Human Health ¹	2	—
_____ ENGL 290/291	Intermediate Expository Writing	3	—
_____ Select	Science ¹	—	3
_____ THEA 300	Theater Practicum	1	1
_____ THEA 413	Drafting for the Theater	3	—
_____ Select	Design/Tech Area Electives*	—	6
		16	16
<i>Third Year</i>		Fall	Spring
_____ Select	Social Science ¹	3	3
_____ THEA 354A,B	History of the Theater	3	3
_____ THEA 300	Theater Practicum	1	1
_____ THEA 400	Theater Production	1	1
_____ Select	Design/Tech Area Electives*	6	6
		14	14
<i>Fourth Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	—
_____ Select	Multicultural ¹	—	3
_____ Select	Science ¹	—	3
_____ Select	Electives	3	3
_____ THEA 402	Directing Studio	3	—
_____ THEA 400	Theater Production	1	—
_____ Select	Design/Tech Area Electives*	2	3
_____ Select	Design/Tech Area Electives* 400 Level	3	3
		15	15

¹ See University Core Curriculum.

² Fulfills the University Core Curriculum Fine Arts requirement.

Theater as a Major

During the academic year, four productions: three plays, one opera or musical, are performed in the McLeod Theater. Numerous original one-act plays and other shows are produced in the Christian H. Moe Laboratory Theater.

The heavy production schedule provides many opportunities for practical experience in all aspects of theater. The Department of Theater also offers the M.F.A. degree with specializations in design, playwriting and directing. The Department of Speech Communication sponsors doctoral studies in theater.

No minor is required. Scholarships are available.

Representative First Job Titles

Costume designer, sound designer, draftsman, lighting technician, stage carpenter, seamstress, cutter, draper, choreographer, makeup specialist, actor/actress, publicist, theater instructor, scene designer, playwright, sales, speech writer, and lawyer.

Theater

(Performance Specialization)
College of Liberal Arts
(Bachelor of Arts)

Jay Lewis, Academic Advisor
2249 Communications Building
Telephone (618) 453-8114
<http://theater.siu.edu/>

The SIU Carbondale Department of Theater is an accredited institutional member of the National Association of Schools of Theater (see page 4 for addresses and phone numbers of national accrediting agencies). The Department of Theater blends scholarship and practice into an academically based theater experience. The B.A. degree program in theater meets the objectives of students preparing for careers in professional, educational, or community theater, as well as establishing a solid academic foundation for many complementary fields. The theater program provides comprehensive course work in performance, directing, play writing, and design.

Courses in acting, voice, movement, directing, theater history, dramatic literature, playwriting, production design, and technical theater, are augmented by an extensive production schedule in two on-campus theaters. Courses in theater history, dramatic theory, and criticism, and specialized courses, such as children's theater and theater management, complement the program. The production schedule is extensive enough to allow students to design sets, lights, and costumes and to write, act, and direct for these productions. Seminars in dramaturgy and American theater, coordinated with ongoing research projects and visits of artists-in-residence, enhance the total experience.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
ENGL 101, 102/	Composition I and II.....	3	3
LING 101, 102			
UCOL 101	Foundations of Inquiry	3	—
THEA 220	Freshman Theater Seminar ²	3	—
THEA 203A,B	Introduction to Voice and Movement ³ and Stage Speech and the IPA	3	3
THEA 218A	Stagecraft: Scenery	3	—
THEA 300	Theater Practicum	—	1
Select	Mathematics	—	3
THEA 217	Beginning Acting	—	3
		15	13
<i>Second Year</i>		Fall	Spring
Select	Humanities ¹	3	3
Select	Multicultural ¹	—	3
Select	Core Science ¹	3	3
THEA 303A,B	Movement for the Actor and Voice for the Actor	3	3
THEA 205, 311A	Stage Make-up and Play Analysis	2	3
THEA 218B/C	Stagecraft: Lighting or Costumes	3	—
THEA 300	Theater Practicum	1	1
		15	16
<i>Third Year</i>		Fall	Spring
Select	Elementary Foreign Language I and II	4	4
ENGL 290/291	Intermediate Expository Writing	—	3
Select	Human Health ¹	2	—
THEA 317A,B	Intermediate Acting A and B	3	3
THEA 354A,B	History of the Theater	3	3
THEA 300, 400	Theater Practicum and Production	1	1
THEA 424	Audition Techniques	3	—
		16	14
<i>Fourth Year</i>		Fall	Spring
Select	Social Science ¹	3	3
Select	Electives	3	6
THEA 402	Play Directing	3	—
THEA 420, 421	Senior Seminar and Project	2+1	—
THEA 403A,B	Advanced Movement and Voice for the Actor	3	3
THEA 400	Theater Production	—	1
Select	Theater Elective	—	3
		15	16

¹ See University Core Curriculum.

² Fulfills the University Core Curriculum Fine Arts requirement.

Theater as a Major

During the academic year, four productions: three plays, one opera or musical, are performed in the McLeod Theater. Numerous original one-act plays and other shows are produced in the Christian H. Moe Laboratory Theater.

The heavy production schedule provides many opportunities for practical experience in all aspects of theater. The Department of Theater also offers the M.F.A. degree with specializations in design, playwriting and directing. The Department of Speech Communication sponsors doctoral studies in theater.

No minor is required. Scholarships are available.

Representative First Job Titles

Costume designer, sound designer, draftsman, lighting technician, stage carpenter, seamstress, cutter, draper, choreographer, makeup specialist, actor/actress, publicist, theater instructor, scene designer, playwright, sales, speech writer, and lawyer.

University Studies

University College
(Bachelor of Arts)
(Bachelor of Science)

Brittany McElroy, Academic Advisor
117 Woody Hall
Telephone (618) 453-4351

The B.A. and B.S. degree programs in university studies meet the objectives of students interested in designing multi-disciplinary, interdisciplinary programs of study.

Since the university studies program does not have an established curriculum, students use the resources of the entire University. For example, students interested in arts management might combine fine arts courses with courses in or related to business, thereby gaining the necessary skills to manage a civic center or theater. Students planning to attend law school might elect to combine political science, philosophy, history, and business courses in preparation for the study of law. Other students choose a broad range of courses to complete a degree program.

A general model of a curriculum for a degree in University Studies might be:

University Core Curriculum	41
Senior-level courses (300–400)	40
Foreign language (for the B.A. only)	8
English composition	3
Writing-intensive course	3
Other courses approved by the University Studies faculty advisor (33 for the B.S.)	25
	<hr/>
	120

After admission to the University, as undecided students or in a degree program, students interested in the university studies program should arrange an interview with a University Studies faculty adviser to determine eligibility. Students who meet the criteria can then be admitted to the program.

The Major in University Studies

The B.A. degree also requires completion of one year of a foreign language.

To be admitted to the program, students must have completed at least 24 semester hours with a 2.0 grade point average (4.0 scale) in all college work taken.

To complete the program, students must complete 39 semester hours at the senior level (300–400) with a 2.0 grade point average (4.0 scale) in those courses.

Students cannot exceed the program's prescribed limits on distribution of courses while in the program.

No more than 20 semester hours, in addition to University Core Curriculum requirements, may be taken in any department or school in a college.

No more than 40 semester hours, in addition to University Core Curriculum requirements, may be taken in any SIUC college or in its equivalent in an institution from which the student has transferred.

There is one exception to these limits. Students may take up to 54 hours in the College of Liberal Arts, provided that they do not exceed a total of 27 hours in any of the following areas: humanities, social sciences, and fine or performing arts.

Students must complete the assessment requirements as outlined by the faculty advisor for University Studies.

Workforce Education and Development

Career and Technical Education Teacher Licensure
Business, Marketing and Computer Education Option
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354

Paul Asunda, Coordinator
212 Pulliam Hall
Telephone (618) 453-3321
wed.siu.edu/

The B.S. degree program in workforce education and development with a business, marketing and computer education specialization leading to teacher certification meets the objectives of students preparing to teach office education, accounting, data processing, general business/consumer education, and marketing.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ MATH 108, SPCM 101	College Algebra <i>and</i> Introduction to Oral Communication	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Fine Arts.....	3	3
_____ Select	Human Health <i>and</i> Biology	2	3
_____ PSYC 102, Select	Intro to Psychology <i>and</i> Humanities	3	3
_____ WED 403	Integrating and Managing Technology Applications for WED	3	—
		17	15
<i>Second Year</i>		Fall	Spring
_____ EDUC 311	Diversity, Culture, & Education in a Pluralistic Society	3	—
_____ Select, ECON 241	Physical Science <i>and</i> Introduction to Macroeconomics	3	3
_____ EDUC 314	Human Growth, Development, and Learning.....	3	—
_____ WED 413, ECON 240	Organizing and Directing Instruction in Secondary Career and Technical Programs <i>and</i> Introduction to Microeconomics	3	3
_____ MATH 139, WED 466	Finite Mathematics <i>and</i> Foundations of Workforce Education	3	3
_____ ACCT 208/MGMT 208	Business Data Analysis.....	—	3
_____ ACCT 220	—	3
_____ Select, WED 416B	Humanities <i>and</i> Instructional Methods in Career and Technical Education	3	3
		18	18

* Immediately after completing 30 hours of college credit (including ENGL 101 and 102 with a grade of C or higher, with an overall GPA of 2.5 (4.0 = A) or higher), students should apply to the SIUC College of Education and Human Services teacher education program.

Third and Fourth Years

The remainder of the program concentrates on the specific requirements of the student's chosen specialization and on courses selected to meet individual and career goals.

Business Education as a Major

You can prepare for licensure to teach grades 6–12 through this specialization with at least one, preferably two endorsements, in these teaching areas: accounting, basic business, business computer programming/systems, information processing (secretarial), and marketing. Through this specialization you will also be qualified for instructional positions in career colleges, government agencies, and business and industry programs.

Applying to the SIUC Teacher Education Program

After completing 30 hours of college credit, students in this program must apply to the Teacher Education Program. Consult the current SIU Carbondale Undergraduate Catalog for information about additional degree requirements.

Workforce Education and Development

Education, Training and Development Specialization
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
212 Pulliam Hall
Telephone (618) 453-2354

Dr. Richard Bortz
146 Wham Education Building
Telephone (618) 453-3321
wed.siu.edu/

The B.S. degree program in workforce education and development with an education, training and development specialization meets the objectives of technically trained students for training and development positions in education, business, industry, labor, government, and the military.

Corporations spend billions of dollars each year to train their employees and develop their management staffs. Non-business organizations, charitable organizations, schools, and universities are rapidly recognizing the need for trainers. Graduates of our programs have been employed by public and private organizations to establish training programs for vocational, technical, and professional staff.

Added to the students' professional and technical training is University Core Curriculum courses (in science, social science, humanities, and communications) and professional education courses. Students must complete work experiences and internships tailored to their specific career goals.

This specialization is *not* a certification program for teaching at the secondary level.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ Select	Fine Arts ¹	—	3
_____ Select	Human Health ¹	2	—
_____ Select	Humanities ¹	3	—
_____ Select	Science ¹	3	3
_____ Select	Social Science ¹	3	3
_____ ENGL 101, 102	Composition I and II	3	3
_____ UCOL 101, SPCM 101	Foundations of Inquiry and Introduction to Oral Communication	3	3
		17	15
<i>Second Year</i>		Fall	Spring
_____ Select	Humanities ¹	3	—
_____ Select	Multicultural ¹	3	3
_____ MATH 110/101	Non-Technical Calculus or Introduction to Contemporary Mathematics	—	3
_____ WED 384	Adult Education and Training	3	—
_____ Select	Professional/technical electives	3	7
		12	13

¹ See University Core Curriculum.

Third and Fourth Years

The remainder of the program concentrates on the specific requirements of the student's chosen specialization and on courses selected to meet individual and career goals.

Special Note to Community College Personnel: Transfer students who have completed a two-year associate in applied science (A.A.S.) degree program may qualify to apply for our Capstone Option, in which students make a contract with SIUC and the Department of Workforce Education and Development that will give them maximum credit for transfer work and guarantee their graduation with the completion of no more than 60 additional semester hours of work. Credit hours may also be awarded for work experience and for other post-secondary vocational training and course work. Students' Capstone Option applications must be on file by the end of their first semester at SIUC. Additional qualification requirements are detailed under Capstone Option.

Workforce Education and Development

Career and Technical Education Teacher Licensure
Family and Consumer Science Educational Services Option
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354

Terre Eversden, Ph.D., CFCS
Pulliam Hall 212
Telephone (618) 453-3321
wed.siu.edu/

The B.S. degree program in Workforce Education and Development with the Family and Consumer Sciences-Educational Services option meets the objectives of students preparing for positions in agencies and businesses that develop informational materials, demonstrate products, coordinate conferences, and work with individual customers or clients.

Family and Consumer Sciences is concerned with human development, parenting, interpersonal relations, values, resource management, nutrition, and consumerism. Opportunities are found not only in kitchens, nutrition labs, the fashion industry, and small specialty boutiques, but also in business and government offices, in juvenile services and programs for abused children, in community health agencies, and in public and private organizations that work to improve the quality of life.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II.....	3	3
_____ MATH 101, SPCM 101	Intro to Contemporary Mathematics <i>and</i> Introduction to Oral Communication	3	3
_____ HND 101, Select	Personal Nutrition <i>and</i> Biology	2	3
_____ PSYC 102, Select	Introduction to Psychology <i>and</i> Humanities.....	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Fine Arts.....	3	3
		14	15
<i>Second Year</i>		Fall	Spring
_____ EDUC 314, CI 227	Human Growth, Development, and Learning <i>and</i> Marriage and Family Living	3	3
_____ Select, FIN 200	Physical Science <i>and</i> Personal Finance	3	3
_____ EDUC 311, Select	Diversity, Culture, and Education <i>and</i> Elective.....	3	3
_____ Select, CI 237	Social Science <i>and</i> Early Childhood Development	3	3
_____ CI 327, WED 466	Family Studies <i>and</i> Foundations of Workforce Education.....	3	3
		15	15

Third and Fourth Years

The remainder of the program concentrates on the specific requirements of the student's chosen specialization and on courses selected to meet individual and career goals.

Family and Consumer Services as a Specialization

Graduates of this specialization move into business-related and communication careers that combine knowledge of Family and Consumer Sciences with teaching skills. They may work in product development kitchens and laboratories of food companies, in consumer information offices, and in advertising or publicity departments for the promotion of products; as writers and educators of educational materials or as free-lance consultants. Graduates work in government, community health agencies, and in public and private agencies to improve the quality of life for individuals and families.

Teacher licensure not required for this specialization.

Graduate degrees available.

Workforce Education and Development

Career and Technical Education Teacher Licensure
Family and Consumer Science Option
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354

Terre Eversden, Ph.D., CFCS
Pulliam Hall 212
Telephone (618) 453-3321
wed.siu.edu/

The B.S. degree program in Workforce Education and Development with a Family and Consumer Sciences Education option leading to teacher licensure meets the objectives of students preparing for positions teaching family and consumer sciences in public or private middle, junior high, or secondary school levels; school departments maintained according to the provisions of the federal vocational acts. Graduates become certified teachers in Illinois and may also teach in adult education and cooperative extension programs.

FCS today is concerned with human development, parenting, interpersonal relations, work and family issues, resource management, nutrition, interior living environments, and consumerism.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

<i>First Year</i>		Fall	Spring
_____ ENGL 101, 102	Composition I <i>and</i> II	3	3
_____ MATH 101, SPCM 101	Intro to Contemporary Mathematics <i>and</i> Introduction to Oral Communication	3	3
_____ HND 101, Select	Personal Nutrition <i>and</i> Biology	2	3
_____ PSYC 102, Select	Intro to Psychology <i>and</i> Humanities.....	3	3
_____ UCOL 101, Select	Foundations of Inquiry <i>and</i> Fine Arts	3	3
		14	15
<i>Second Year</i>		Fall	Spring
_____ EDUC 311	Diversity, Culture, & Education in a Pluralistic Society	—	3
_____ CHEM 106/140A, FIN 200	Chemistry and Society <i>or</i> Chemistry <i>and</i> Personal Finance	3	3
_____ EDUC 314, Select	Human Growth, Development, and Learning	3	—
_____ Select, CI 227	Social Science <i>and</i> Marriage and Family Living	3	3
_____ WED 413, 466	Organizing and Directing Instruction in Secondary Career and Technical Programs <i>and</i> Foundations of Workforce Education	3	3
_____ EDUC 313, CI 237	Reflective Classroom Planning, Organization & Management <i>and</i> Early Childhood Development I	3	3
_____ EDUC 301	Clinical I, Reflective Instructional Practices	1	—
		16	15

Third and Fourth Years

The remainder of the program concentrates on the specific requirements of the student's chosen specialization and on courses selected to meet individual and career goals.

Family and Consumer Services as a Major

Students pursuing a teaching license must complete the requirements of the SIU Carbondale teacher licensure program. SIU Carbondale is approved by the Illinois State Educator Preparation and License Board (SEPLB) and National Council for Accreditation of Teacher Education for training teachers in all Family and Consumer Sciences certification areas.

Supervised student teaching in an area high school is available.

Minor not required. Foreign language not required.

Graduate degrees are available.

Applying to the SIU Carbondale Teacher Education Program

After completing 30 hours of college credit students in this program must apply to the SIU Carbondale Teacher Education Program.

Workforce Education and Development

Instructional Systems Designer/Curriculum Developer Program of Study in Education, Training, and Development

Chief Academic Adviser

College of Education and Human Services
(Bachelor of Science)

135 Wham Education Building
Telephone (618) 453-2354
wed.siu.edu/

Decisions about instructional design involve selecting teaching methods and strategies that fit learning needs and instructional objectives. Such decisions not only require a basic knowledge of teaching methods but also an understanding of how to plan and design a learning experience. The instructional systems design specialist program prepares individuals for careers as instructional designers, curriculum and instructional writers, and instruction and learning specialists. Entry-level jobs are filled by college graduates who have completed courses in a wide range of fields. Experienced jobs are filled by college graduates who also have related technical work experience in a variety of occupational areas.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog online at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

University Core Curriculum*

A.	Foundation Courses.....	15 hrs
	English (6 hours)	
	Math (3 hours)	
	Speech (3 hours)	
	Foundations of Inquiry-UCOL 101 (3 hours)	
B.	Disciplinary Studies.....	23 hrs
	Fine Arts (3 hours)	
	Human Health (2 hours)	
	Humanities (6 hours)	
	Science (6 hours)	
	Social Science (6 hours)	
C.	Integrative Studies.....	3 hrs
	Multicultural (3 hours)	
	TOTAL.....	41 hrs

WED Core Requirement

WED 466-Foundations of Work Education	3
Instructional Systems Design/Curriculum Developer Professional Sequence (27 hours)	
WED 381-Training Proposal and Report Writing	6
WED 403-Integrating & Managing Technology Applications for Workforce Education & Training	3
WED 460-Occupational Analysis and Curriculum Development	3
WED 461-Needs Assessment	3
WED 474-Individualized Training	3
WED 496-Internship	3-6

Occupational Training (34 hours minimum)

TRM 332-Labor-Management Problem	3
TRM 364-Work Center Management	3
TRM 383-Data Interpretation	3
PSYC 320-Industrial and Organizational Psychology	3
PSYC 322-Personnel Psychology	3
PSYC 323-Psychology of Employee Relations	3
SPCM 262-Interpersonal Communication	3
SPCM 361-Nonverbal Communication	3
WED 259-Occupational Training	1-60
WED 302-Business Communication	3
WED 308-Application of Technology for Workforce Education and Training	3

Work Experience or Approved Interdisciplinary Courses (15 hours minimum)

WED 358-Work Experience**	1-30
WED 395-Field Experience	1-30

Capstone Option

This option is for the student who has earned an Associate in Applied Science (AAS) degree or equivalent certification. UCC requirements are reduced from 41 hours to 30 hours. The Capstone student may earn a bachelor's degree in 60 additional credit hours.

* Course substitutions may be granted for previous coursework based on course pre-requisites and content. Course description and syllabi may be requested.

** WED 358 credit and Proficiency Exam credit in combination may not exceed 40 credit hours. All Proficiency Exams may not exceed 30 hours total.

Workforce Education and Development

Instruction and Learning Specialist Program of Study in Education, Training and Development
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354
wed.siu.edu/

The instruction and learning specialist program prepares individuals for a wide variety of occupations in adult training and education. Stressing strategic approaches to learning as integral part of working is driven by the cognitive sciences and recent research in adult learning. Instruction and learning specialists facilitate this approach. Entry-level jobs are filled by college graduates who have completed courses in a wide range of fields. Experienced jobs are filled by college graduates who also have related technical work experience in a variety of occupational areas. Specific job titles include: training specialist, instruction consultant, patient educator, industry learning consultant, technical trainer, clinical educator, community education advisor.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog online at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

University Core Curriculum*

A.	Foundation Courses.....	15 hrs
	English (6 hours)	
	Math (3 hours)	
	Speech (3 hours)	
	Foundations of Inquiry-UCOL 101 (3 hours)	
B.	Disciplinary Studies.....	23 hrs
	Fine Arts (3 hours)	
	Human Health (2 hours)	
	Humanities (6 hours)	
	Science (6 hours)	
	Social Science (6 hours)	
C.	Integrative Studies.....	3 hrs
	Multicultural (3 hours)	
TOTAL.....		41 hrs

WED Core Requirement

WED 466-Foundations of Work Education	3
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Instruction and Learning Specialist Professional Sequence (27 hours)

WED 381-Training Proposal and Report Writing	3-6
WED 460-Occupational Analysis and Curriculum Development	3
WED 462-Instructional Methods and Materials	3
WED 463-Assessment of Learner Performance	3
WED 486-Adult Learning	3
WED 495/496-Internship	3-6

Occupational Training (34 hours minimum)

WED 359-Occupational Training	1-60
WED 302-Business Communications	3
SPCM 262-Interpersonal Communication	3
SPCM 280-Business and Professional Communication	3
SPCM 361-Nonverbal Communication	3
PSYC 320-Industrial and Organizational Psychology	3
PSYC 322-Personnel Psychology	3
PSYC 323-Psychology of Employee Relations	3

Work Experience or Approved Interdisciplinary Courses (15 hours minimum)

WED 358-Work Experience**	1-30
WED 395-Field Experience	1-30

Capstone Option

This option is for the student who has earned an Associate in Applied Science (AAS) degree or equivalent certification. UCC requirements are reduced from 41 hours to 30 hours. The Capstone student may earn a bachelor's degree in 60 additional credit hours.

* Course substitutions may be granted for previous coursework based on course pre-requisites and content. Course description and syllabi may be requested.

** WED 358 credit and Proficiency Exam credit in combination may not exceed 40 credit hours. All Proficiency Exams may not exceed 30 hours total.

Workforce Education and Development

Human Resources Specialist Program of Study in Education, Training and Development
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354
wed.siu.edu/

The human resource development specialist program prepares individuals for a wide variety of occupations in the human resources field. Attracting the most qualified employees and matching them to the jobs for which they are best suited is important for the success of any organization. However, many enterprises are too large to permit close contact between top management and workers. Human resource development specialists provide this link. Entry-level jobs are filled by college graduates who have completed courses in a wide range of fields. Specific job titles include: human resource information systems specialist; employee development; staffing specialist; job analyst; recruiter; human resource assistant.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

University Core Curriculum*

A.	Foundation Courses.....	15 hrs
	English (6 hours)	
	Math (3 hours)	
	Speech (3 hours)	
	Foundations of Inquiry-UCOL 101 (3 hours)	
B.	Disciplinary Studies.....	23 hrs
	Fine Arts (3 hours)	
	Human Health (2 hours)	
	Humanities (6 hours)	
	Science (6 hours)	
	Social Science (6 hours)	
C.	Integrative Studies.....	3 hrs
	Multicultural (3 hours)	
	TOTAL.....	41 hrs

WED Core Requirement

WED 466-Foundations of Work Education	3
Human Resources Specialist Professional Sequence (27-30 hours)	
WED 302-Business Communications	3
WED 381-Training Proposal and Report Writing	3
WED 460-Occupational Analysis and Curriculum Development	3
WED 461-Needs Assessment	3
WED 465-The Human Resource Specialist	3
WED 467-The Theory and Practice of HRD	3
WED 469-Training Systems Management	3
WED 486-Adult Learning	3
WED 495/496-Internship	3-6

Occupational Training (34 hours minimum)

ACCT 210-3	POLS 340-3
TRM 332-3	PSYC 320-3
TRM 364-3	PSYC 322-3
TRM 383-3	PSYC 323-3
ECON 240-3	SPCM 262-3
ECON 241-3	SPCM 361-3
ECON 315-3	WED 259-1-60
FIN 330-3	WED 408-3
FIN 361-3	WED 410-3
MGMT 304-3	WED 417-3
MGMT 341-3	WED 462-3

Work Experience or Approved Interdisciplinary Courses (15 hours minimum)

WED 358-Work Experience**	1-30
WED 395-Field Experience	1-30

Capstone Option

This option is for the student who has earned an Associate in Applied Science (AAS) degree or equivalent certification. UCC requirements are reduced from 41 hours to 30 hours. The Capstone student may earn a bachelor's degree in 60 additional credit hours.

* Course substitutions may be granted for previous coursework based on course pre-requisites and content. Course description and syllabi may be requested.

** WED 358 credit and Proficiency Exam credit in combination may not exceed 40 credit hours. All Proficiency Exams may not exceed 30 hours total.

Workforce Education and Development

Technology Education Teacher Licensure
(Dual Degree: Automotive Technology & Workforce Ed & Development)
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354
<http://www.siu.edu/~wed01/index.html/>
Contact: Paul Asunda

This dual degree program prepares students for automotive technology teaching positions in grades 6-12. Teachers prepared through this program instruct in comprehensive high schools or in one of the 25 area career centers in approved automotive or industrial/technical programs. The primary purpose of technology education in the comprehensive high school is to promote and develop technological literacy. Upon completion of this teacher education program, students are awarded the Career and Technical Education Teacher Licensure issued by the Illinois State Educator Preparation and License Board (SEPLB).

SIU Carbondale Teacher Education Program admission requirements and information can be found online at: <http://web.coehs.siu.edu/public/TEP/index.htm>. Separate admission criteria are used for entry into the Automotive Technology Program.

Students enrolled in the Automotive Technology/Technology Education teacher licensure program would be interested in membership in the International Technology Education Association and the Association for Career and Technical education with its Division of Technology and/or Division of trade and Industrial Education. Within the state, students would be interested in the Illinois Association for Career and Technical Education. Automotive Professional Associations: Illinois College Automotive Instructors Associations, North American Council of Automotive Teachers. NOTE: The Illinois College of Automotive Instructors Association has the word college in the name but welcome high school instructors.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog online at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

University Core Curriculum*

A.	Foundation Courses.....	15 hrs
	English (6 hours)	
	Math (3 hours)	
	Speech (3 hours)	
	Foundations of Inquiry-UCOL 101 (3 hours)	
B.	Disciplinary Studies.....	23 hrs
	Fine Arts (3 hours)	
	Human Health (2 hours)	
	Humanities (6 hours)	
	Science (6 hours)	
	Social Science (6 hours)	
C.	Integrative Studies.....	3 hrs
	Multicultural (3 hours)	
	TOTAL.....	41 hrs

Automotive Technology Major Requirements

AUT 100-3	AUT 180-3	AUT 240-6
AUT 120-3	AUT 215-3	AUT 250-3
AUT 150-6	AUT 216-3	AUT 280-3
AUT 170-6		

Plus 15 hours from the courses below

AUT 330-3	AUT 360-3	AUT 490-6
AUT 340-6	AUT 390-3	
AUT 355-6	AUT 480-3	

Workforce Education & Development Major Requirements

WED 413-Organizing and Directing Instruction in CTE	3
WED 416F-Instructional Methods for Technology Education	3
WED 460-Occupational Analysis and Curriculum Development	3
WED 466-Foundations of Work Education	3

Plus one of the courses below

WED 404-Technology Applications in Workforce Education and Training	3
WED 407-Administrative Communications and Technology	3
WED 474-Individualizing Training	3

Secondary Teacher Certification (or Licensure) Courses

*EDUC 301-Clinical I, Reflective Instructional Practices	1
EDUC 302-Clinical II, Methods of Instructional Practice	1
EDUC 303-Clinical III, Advanced Instructional Practices	1
EDUC 308-Characteristics and Methods for Teaching Exceptional Children	3
**EDUC 311-Diversity, Culture, & Education in a Pluralistic Society	3
EDUC 313-Reflective Classroom Planning, Organization & Management	3
**EDUC 314-Human Growth and Development	3
EDUC 319-Language, Culture and Learning	3
EDUC 401-Student Teaching	12

* Requires admission to the Teacher Education Program.

** Requires pre-admittance to the Teacher Education Program-University Core Curriculum.

Workforce Education and Development

Career and Technical Education Teacher Licensure
Technology Education Option
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354
wed.siu.edu/
Contact: Paul Asunda

This program prepares students for technology education and industrial/technical teaching positions in grades 6-12 and at the community college level. Teachers prepared through this program instruct in comprehensive high schools or in one of the 25 area career centers in approved industrial/technical programs. The primary purpose of technology education in the comprehensive high school is to promote and develop technological literacy. Although the skills may differ according to the program emphasis, the Illinois Plan for Industrial Technology Education identifies these content areas: communication technology, production technology, transportation technology, and energy utilization technology. Some typically titled courses or programs in Illinois schools and career centers relating to technology education (industrial/technical) are:

- Architectural drafting
- Machine drafting
- Graphic communications
- Automotive technology
- Auto body
- Building trades/construction
- Computer maintenance
- Principles of technology
- Electricity/electronics
- Heating/air conditioning
- Welding and fabrication

Upon completion of this program, students are awarded the teaching licensure issued by the Illinois State Educator Preparation and License Board (SEPLB).

Students enrolled in the technology education teacher licensure program would be interested in membership in the International Technology Education Association and the Association for Career and Technical Education with its Division of Technology and/or Division of Trade and Industrial Education. Within the state, students would be interested in the Illinois Association for Career and Technical Education.

The technology education (industrial and technical) teacher licensure course of study is an articulated program beginning with an Associate of Applied Science Degree in an industrial technology area offered at Illinois community colleges. Once the AAS Degree is obtained, the student will enter the SIU Carbondale Capstone Program. SIU Carbondale Teacher Education Program admission requirements and information can be found online at: <http://web.coehs.siu.edu/public/TEP/index.htm>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

University Core Curriculum

The SIUC Capstone Program requires 30 semester hours of core curriculum. The Associate of Applied Science Program will include 12 hours of the Capstone requirements. The remaining 18 semester hours to meet Capstone requirements will be identified from:

- A. Foundation Skills
 - English Composition (3 hours)
 - Math (3 hours)
 - Speech (3 hours)
- B. Disciplinary Studies
 - Fine Arts (3 hours)
 - Humanities (3 hours)
 - Science (6 hours)
 - Social Science (6 hours)
- C. Integrative Studies
 - Multicultural Diversity (3 hours)

Professional Requirements

WED 460-Occupational Analysis and Curriculum Development	3
WED 466-Foundations of Work Education	3
WED 416F-Instructional Methods for Technology Education	3
WED 413-Organizing and Directing Instruction in CTE	3
Select one course from WED 403, 404, or 474	3

Secondary Teacher Certification Courses

*EDUC 301-Clinical I, Reflective Instructional Practices	1
*EDUC 302-Clinical II, Methods of Instructional Practice	1
*EDUC 303-Clinical III, Advanced Instructional Practices	1
*EDUC 308-Characteristics and Methods for Teaching Exceptional Children	3
**EDUC 311-Diversity, Culture, & Education in a Pluralistic Society	3
*EDUC 313-Reflective Classroom Planning, Organization & Management	3
**EDUC 314-Human Growth and Development	3
EDUC 319-Language, Culture and Learning	3
*EDUC 401-Student Teaching	12

Middle School Endorsement (Recommended)

CI 462-Middle and Junior High School Programs	3
CI 473-Teaching in Middle Level Schools	3

* Requires admission to the Teacher Education Program.

** Requires pre-admittance to Teacher Education Program-University Core Curriculum.

Workforce Education and Development

Career and Technical Education Teacher Licensure
Health Careers Option
College of Education and Human Services
(Bachelor of Science)

Chief Academic Adviser
135 Wham Education Building
Telephone (618) 453-2354
<http://www.siu.edu/~wed01/index.html/>
Contact: Paul Asunda

The focus of the Health Careers (health occupations) Teacher Licensure Program is to prepare teachers who will design curriculum and deliver instruction in a comprehensive high school or area career center health occupations program. The nursing sequence is the most common health occupations program at the secondary level. In this program, health occupations teachers develop students to successfully demonstrate required skills and knowledge to pass the state administered exam to become certified nurse assistants (CNA). This same model is used in other health career disciplines teaching the skills specific to their discipline. Upon completion of this program, students are awarded the Teacher Licensure issued by the Illinois State Educator Preparation and License Board (SEPLB).

Students enrolled in the health careers Teacher Licensure Program would be interested in membership in the Health Occupations Division of the Association for Career and Technical Education and in the Illinois Association for Career and technical Education.

The health careers teacher licensure course of study is an articulated program beginning with an Associate Degree Nursing (AND) Program offered at Illinois community colleges. Once nursing licensure is obtained, the student will enter the SIU Carbondale Capstone Program. SIUC Teacher Education Program admission requirements and information can be found online at: <http://web.coehs.siu.edu/public/TEP/index.htm>.

NOTE: A sample curriculum follows. For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html>>.

University Core Curriculum

The SIUC Capstone Program requires 30 semester hours of core curriculum. The Associate Nursing Program will include 15 hours of the Capstone requirements. The remaining 15 semester hours to meet Capstone requirements will be identified from:

- A. Foundation Skills
 - English Composition (3 hours)
 - Math (3 hours)
 - Speech (3 hours)
- B. Disciplinary Studies
 - Fine Arts (3 hours)
 - Humanities (3 hours)
 - Science (6 hours)
 - Social Science (6 hours)
- C. Integrative Studies
 - Multicultural Diversity (3 hours)

Professional Requirements

WED 460-Occupational Analysis and Curriculum Development	3
WED 466-Foundations of Work Education	3
WED 468-Education/Labor Force Linkages	3
WED 413-Organizing and Directing Instruction in CTE	3
WED 463-Assessment of Learner Performance	3
WED 416F-Instructional Methods for Health Careers	3

Secondary Teacher Certification Courses

*EDUC 301-Clinical I, Reflective Instructional Practices	1
*EDUC 302-Clinical II, Methods of Instructional Practice	1
*EDUC 303-Clinical III, Advanced Instructional Practices	1
*EDUC 308-Characteristics and Methods for Teaching Exceptional Children	3
**EDUC 311-Diversity, Culture, & Education in a Pluralistic Society	3
EDUC 313-Reflective Classroom Planning, Organization & Management	3
**EDUC 314-Human Growth and Development	3
EDUC 319-Language, Culture and Learning	3
EDUC 401-Student Teaching	12

Middle School Endorsement (Recommended)

CI 462-Middle and Junior High School Programs	3
CI 473-Teaching in Middle Level Schools	3

* Requires admission to the Teacher Education Program.

**Requires pre-admittance to the Teacher Education Program-University Core Curriculum.

Zoology

College of Science
(Bachelor of Science)
(Bachelor of Arts)

Dr. Carey Krajewski, Chair
351 Life Science II
Telephone (618) 536-2314
E-mail: zoology@zoology.siu.edu
www.zoology.siu.edu

A student majoring in Zoology may work toward either a Bachelor of Arts (B.A.) or Bachelor of Science (B.S.) degree. The B.A. provides an opportunity for a broad, liberal arts education by allowing students to take 18-25 hours of courses in areas of interest outside the major. It is appropriate for those who desire a strong background in zoology, but are pursuing nonscience careers in business, law, journalism, or other fields.

Students seeking a Zoology B.S. must choose one of five specializations: animal biology, environmental biology, fisheries biology and aquatic conservation, pre-veterinary medicine, or wildlife biology and conservation. The Animal Biology track is designed for students contemplating graduate studies of animal behavior or ecology, biodiversity, evolution, or systematics. The Environmental Biology track is designed for students interested in biological approaches to environmental quality. Fisheries Biology and Aquatic Conservation is designed for students whose interest is in the ecology and management of fishes and aquatic ecosystems (e.g., fisheries management, aquaculture, aquatic ecosystem management, or graduate studies in applied fish biology); course requirements are those necessary for certification as a Fisheries Professional Associate by the American Fisheries Society. The Pre-Veterinary Science track is designed for majors planning to enter veterinary school or other animal-health jobs. Wildlife Biology emphasizes wildlife ecology, management, and conservation; course requirements include those specified by The Wildlife Society's certification program. Zoology majors develop an individualized curriculum, including a senior project, in consultation with a faculty mentor.

NOTE: A sample curriculum for the B.S. (Animal Biology specialization) follows.

For specific degree requirements consult the current SIU Carbondale Undergraduate Catalog on-line at < <http://registrar.siu.edu/catalog/undergraduatecatalog.html> >.

<i>First Year</i>		Fall	Spring
_____ UCOL 101, ENGL 101	Foundations of Inquiry <i>and</i> Composition I	3	3
_____ BIOL 200A,B	Cell and Molecular Biology, Genetics and Evolution ¹ <i>and</i> Organismal and Ecological Biology	4	4
_____ MATH 108, 109	College Algebra <i>and</i> Trigonometry ²	3	3
_____ CHEM 200, 201, 202	Introduction to Chemical Principles <i>and</i> Lab ¹	5	—
_____ CHEM 210, 211, 212	General and Inorganic Chemistry <i>and</i> Lab.....	—	5
		15	15
<i>Second Year</i>		Fall	Spring
_____ ENGL 102, MATH 139	Composition II <i>and</i> Finite Math	3	3
_____ GEOL 220, 223	The Dynamic Earth <i>and</i> Lab.....	4	—
_____ GEOL 221, 224	Earth Through Time <i>and</i> Lab	—	4
_____ ZOOL 215, 220	Sophomore Seminar in Zoology <i>and</i> Animal Diversity	1	5
_____ SPCM 101, Select	Introduction to Oral Communications ³ <i>and</i> Fine Arts ³	3	3
_____ Select	Human Health ³ <i>and</i> Humanities ³	5	—
		16	15
<i>Third Year</i>		Fall	Spring
_____ BIOL 305, 304	Principles of Genetics <i>and</i> Evolution.....	3	3
_____ BIOL 307, 309	Principles of Ecology <i>and</i> Developmental Biology	3	3
_____ ENGL 290, Select	Intermediate Technical Writing ⁴ <i>and</i> Humanities ³	3	3
_____ CS 201, ZOOL 360	Problem Solving with Computers <i>and</i> Intro to Biostatistics ⁴	3	3
_____ Select	Social Science ³	3	3
		15	15
<i>Fourth Year</i>		Fall	Spring
_____ Select	Zoology electives.....	9	9
_____ Select, ZOOL 482	Multicultural ³ <i>and</i> Senior Seminar ⁵	3	1
_____ Select	Electives	3	4
		15	14

¹ Fulfills a University Core Curriculum science requirement.

² Fulfills a University Core Curriculum mathematics requirement. MATH 111 or 141 or 150 may be substituted for MATH 108 and 109.

³ See University Core Curriculum.

⁴ These courses fulfill the College of Science Supportive Skills requirement. ENGL 291 or 391 may be substituted for ENGL 290. MATH 282 or EPSY 402 may be substituted for ZOOL 360.

⁵ Zoology majors complete a senior project under the supervision of their faculty mentor and report the results in Senior Seminar.

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