

1979

1979-1980 Southern Illinois University Bulletin Carbondale Campus (Counselor's Advisement Catalog)

Southern Illinois University Carbondale

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Southern Illinois University Bulletin

1979-1980 Counselor's Advisement Catalog

Southern Illinois University
at Carbondale



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Southern Illinois University Bulletin

1979-1980
Counselor's Advisement
Catalog

Southern Illinois University
at Carbondale

Southern Illinois University Bulletin

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OFFICE OF ADMISSIONS AND RECORDS
SOUTHERN ILLINOIS UNIVERSITY AT CARBONDALE
CARBONDALE, ILLINOIS 62901

Dear Counselor:

This advisement catalog provides the high school and community college counselor with specific information for advising and counseling students interested in Southern Illinois University at Carbondale.

May we offer you a few suggestions in its effective use.

The catalog is arranged in three major areas: General Information, Academic Information, and Instructional Units. The first and last sections should be of interest to both secondary and college counselors. (Note the table of contents.) The second section relates specifically to community college activities.

- I. After determining information needed, refer to the index (or, as a second choice, the table of contents). Most items have been cross-indexed under several topics.
 - a. If you are seeking information about the two year associate degree technical programs or the bachelor degree program in Technical Careers, please refer to the end of the section indicated as Instructional Units. Here you will find these programs listed alphabetically (page 189).
 - b. Information concerning all the university's four year degree programs is listed in alphabetical order starting at the beginning of the section indicated as Instructional Units (page 40).
 - c. In advising students in community colleges, counselors must keep in mind that the recommended programs are those followed by our native students. Transfer students may not need all of the courses listed, or they may not be able to take the exact same courses. Hence, attention must be given to specific program and academic unit requirements and the means by which the General Studies requirements may be satisfied.

We would like all counselors to note three specific items for the coming year. One involves our ACT/APP admission procedure noted on page 11 of this text. This should be of particular interest to high school counselors. The second item relates to the admission of students to the two year Allied Health Programs in the School of Technical Careers. Effective with the Fall 1976 Semester, admission to the programs of Dental Laboratory Technology, Dental Hygiene, Nursing, Mortuary Science, and Physical Therapist Assistant require additional application materials. Admission to these programs is on a selective basis similar to that used for Dental Hygiene in the past. The third item, Entry-Level Job Titles, has been included in the hope it will assist you in answering the old question, "What do I do with a major in _____?" These titles reflect those obtained by recent graduates. We listed no titles for College of Education majors as these should be familiar to the user. The information is provided on page 212 of this text.

For additional copies of the catalog please feel free to contact School/College Relations, Office of Admissions and Records, Southern Illinois University, Carbondale, Illinois 62901. We would like all individuals involved in advising and counseling to have their own personal copy. Should you or members of your staff have questions concerning use or information contained within the catalog please feel free to contact me personally anytime. You can count on my utmost cooperation.

Catherine Foster Walsh, Editor, Counselor's Advisement Catalog
Counselor, School/College Relations Division

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UNIVERSITY CALENDAR

Fall Semester 1978

Semester Classes Begin
Labor Day Holiday
Thanksgiving Holiday

Final Examinations

Monday, August 21, 8:00 a.m.
Monday, September 4
Saturday, November 18, 12 noon--
Monday, November 27, 8:00 a.m.
Saturday, December 11--Saturday,
December 16

Spring Semester 1979

Semester Classes Begin
Washington's Birthday Holiday
Spring Vacation

Good Friday Holiday
Final Examinations
Commencement

Monday, January 15, 8:00 a.m.
Monday, February 9
Saturday, March 10, 12 noon--
Monday, March 19, 8:00 a.m.
Friday, April 18
Monday, May 7--Saturday, May 12
Saturday, May 12

Summer Session 1979

Eight-Week Session Begins
Independence Day Holiday
Final Examinations
Commencement

Monday, June 11, 7:30 a.m.
Wednesday, July 4
Thursday and Friday, August 2-3
Saturday, August 4

Fall Semester 1979

Semester Classes Begin
Labor Day Holiday
Thanksgiving Holiday

Final Examinations

Monday, August 27, 8:00 a.m.
Monday, September 3
Saturday, November 17, 10:00 p.m.--
Monday, November 26, 8:00 a.m.
Saturday, December 15--Saturday,
December 22



Southern Illinois University
at Carbondale

LEGEND

Old Campus

1. Old Main Site
2. Altgeld Hall (1896)
3. Wheeler Hall (1904)
4. Allyn Building (1908)
5. Anthony Hall (1913)
6. Shryock Auditorium
7. Davies Gymnasium (1925)
8. Parkinson Laboratory (1928)
9. McAndrew Stadium (1938)

New Campus

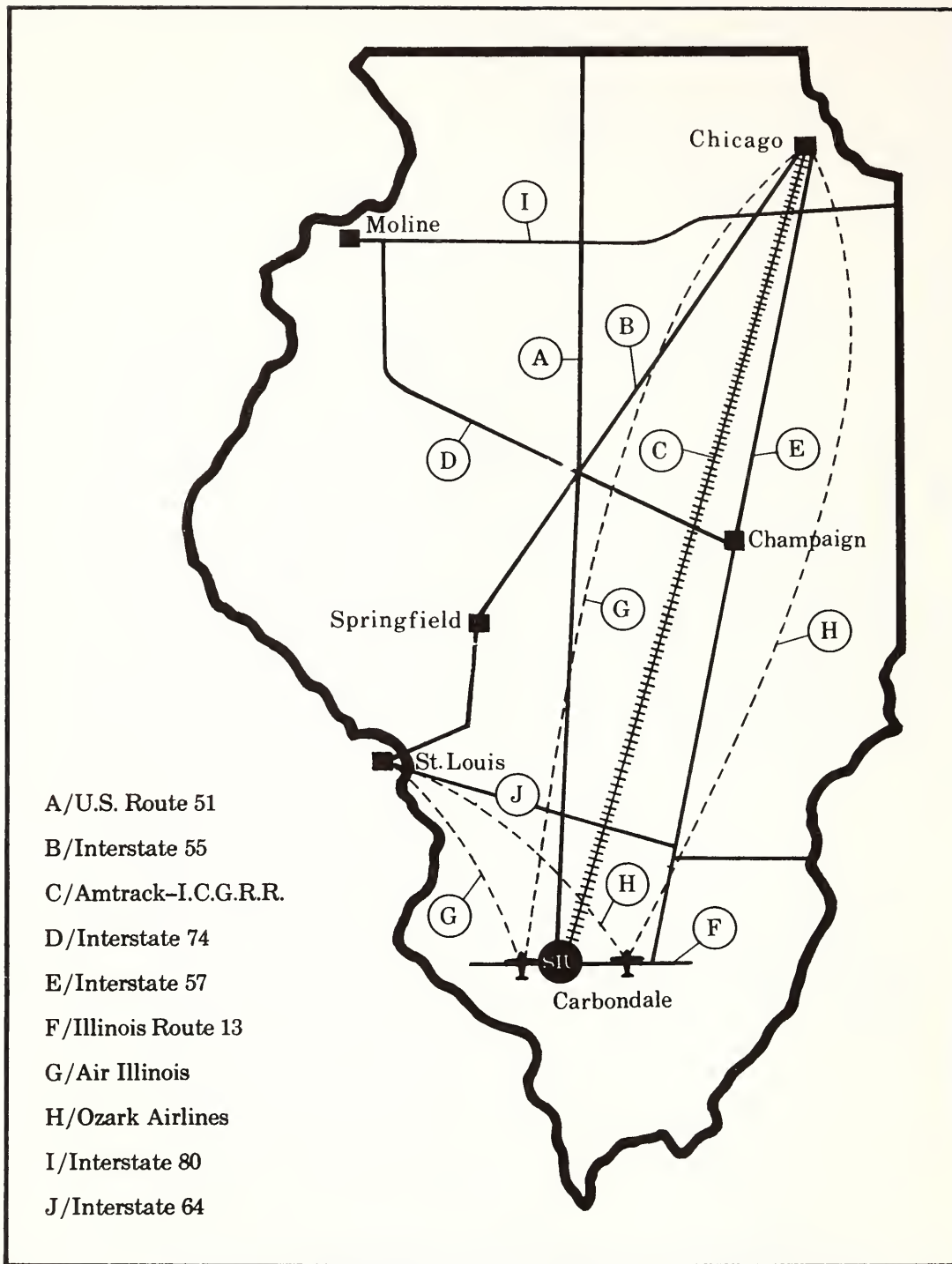
10. Pulliam Hall (1951)
11. School of Technical Careers (1951)
12. Woody Hall (1953)
13. Lindegren Hall (1953)
14. Morris Library (1956)
15. Thompson Point Residence Halls (1957)
16. Agriculture Building (1957)
17. Quigley Hall (1959)
18. Southern Hills Family Housing (1960)
19. Small Group Housing (1960)
20. Student Center (1961)
21. SIU Arena (1964)
22. Wham Education Building (1964)
23. University Park Residence Halls (1965)
24. Lawson Hall (1965)
25. Communications Building (1966)
26. Health Service (1966)
27. Technology Buildings (1966)
28. General Classroom Building (1967)
29. James W. Neckers Building (1968)
30. Evergreen Terrace Family Housing (1968)
31. Washington Square (1967)
32. Brush Towers Residence Halls (1968)
33. Life Science II (1971)
34. President's Home (1971)
35. Faner Building (1973)
36. Student Recreation Center (1977)
37. School of Technical Careers Building (1978)

Schools, Colleges, and Programs

- School of Agriculture 16
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 Bursar's Office (Fee Payment)
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 Counseling Center
 General Academic Programs
 Graduate Studies and Research
 Student Services
 Student Work and Financial Assistance
 Testing Office
 Student Center 20
 Book Store
 Cafeteria
 Information Desk
 Washington Square 31
 Housing Business Services
 Parking Division



CAMPUS

The original eight-building campus with its Gothic architectural tradition is now completely surrounded by a sprawling modern 866-acre campus with a maze of paths, impressive buildings, and attractive residence halls. Even though the original campus still serves as a focal point of study and university tradition, the prevailing design of the 430-building campus now is contemporary. Facilities vary in style, size, and purpose from a circular 10,000-seat arena, to an eight-sided multimedia instruction center, 17-story high-rise residence halls, and a permanent beach house on the 40-acre spring-fed campus lake.

Being teaching and research oriented, the University provides a balance of laboratories and classrooms which serve as satellites to the impressive 7-story Morris Library containing over 1-1/2 million volumes and subscribing to over 11,000 current periodicals.

Additional facilities include the School of Technical Careers some ten miles east, the Southern Illinois Airport three miles west, laboratories at Little Grassy Lake, and University Farms.

UNIVERSITY DIRECTORY

Listed below are the various offices, schools and colleges which are available to aid counselors, prospective students, and parents in answering questions which may not be within the scope of the various university publications. Please feel free to direct inquiries to the appropriate areas.

The general university telephone number is 6184532121. The mailing address is Southern Illinois University, Carbondale, Illinois 62901.

OFFICES

SIU (University Switchboard)	(618) 453-2121
Admissions and Records (applications, registration) (Illinois residents call toll free 800-642-3531)	(618) 453-4381
Airport, Southern Illinois	(618) 536-6661
Athletics, Intercollegiate for Men	(618) 453-5311
Athletics, Intercollegiate for Women	(618) 536-5566
Athletics, Tickets	(618) 453-5319
Bursar (payment of fees)	(618) 453-2221
Central Ticket Office	(618) 536-3351
Counseling Center	(618) 453-5371
Health Service	(618) 453-3311
School/College Relations	(618) 453-4381
Housing Business Services (on-campus housing)	(618) 453-2301
Housing Information Services (off-campus housing)	(618) 453-2301
International Education	(618) 453-5774
Parking Section	(618) 453-5369
President's Scholar Program	(618) 453-4351
Specialized Student Services (Handicapped)	(618) 453-5738
Student Activities	(618) 453-5714
Student Life	(618) 536-2338
Student Services	(618) 453-2374
Student Work and Financial Assistance	(618) 453-4334
Testing Center (CLEP, Placement/Proficiency, ACT Residual)	(618) 536-3303
University Graphics and Publications	(618) 536-3325
University Ombudsperson	(618) 453-2411

SCHOOLS AND COLLEGES

Agriculture, School of (Agriculture Building)	(618) 453-2460
Business and Administration, College of (General Classroom Building)	(618) 453-3328
Center for the Study of Crime, Delinquency, and Corrections	(618) 453-5701
Communications and Fine Arts, College of (Communications Building)	(618) 453-4308
Education, College of (Wham Education Building)	(618) 453-2415
Engineering and Technology, School of (Technology Building)	(618) 453-4321
General Academic Programs (Woody Hall)	(618) 453-4351
Graduate Studies and Research (Woody Hall)	(618) 536-7791
Human Resources, College of	(618) 453-2251
Law, School of	(618) 536-7711
Liberal Arts, College of (General Classroom Building)	(618) 453-2466
Medicine, School of	(618) 536-5511
School of Technical Careers	(618) 536-3301
Science, College of (Neckers Building)	(618) 536-6666

GENERAL INFORMATION

Environment and University
Undergraduate Curricula
Admission Procedures
Admission Policies
Housing Information
Registration and Advisement
Costs
Financial Assistance
Student Services
Motor Vehicle Regulations

GENERAL INFORMATION

ENVIRONMENT

Community: Carbondale, Illinois (pop. 26,900)
Location in State: Southern Illinois (Jackson County)
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 yearround temperature, mean annual temperature 57.8 degrees.
Area: Historical "Little Egypt," yearround outdoor recreation, four scenic large lakes, national forest and game refuge.
Transportation: Major train, plane, and bus routes, Amtrak Rail System, Ozark, Air Illinois, etc., airlines, Gulf Transport bus line, highway routes Interstate 57, US 51, Illinois 13.

UNIVERSITY

Name: Southern Illinois University at Carbondale
Founded: 1869
President: Warren Brandt
Campus Location: Southwest corner of the community
University telephone number: 618-453-2121
Type: Public state university of the Southern Illinois University System
Student Body: Co-ed
Curriculum: Undergraduate, graduate, and professional
Calendar: Early semester (Fall and Spring), Summer session
Accreditation:
 North Central Association of Colleges and Secondary Schools
 National Council for Accreditation of Teacher Education
 Membership in 530 professional organizations
Campuses: Carbondale, School of Technical Careers, Southern Illinois Airport, outdoor laboratories, university farms
Acreage: 7,928
Campus Buildings: 383
Colors: Maroon and white
Mascot: Saluki (Egyptian hunting dog)

STUDENT BODY

Enrollment, Fall 1977: 22,537
 Undergraduate, 18,836; graduate, 3,245; Professional 456
 Men, 14,024; Women, 8,513
Residency: Illinois 19,792 (89%); 48 other states, 2,222 (9%); 72 other countries, 523 (2%)
Commuting: 7%

PERSONNEL, 1977

Percentage full-time faculty with doctorate: 67%
Students/faculty ratio: 14:1

DEGREES

Undergraduate: (Associate); A.A., A.D.N., A.A.S.; B.A., B.S., B. Mus. Ed., B. Mus.
Graduate: M.A., M.B.A., M.F.A., M. Mus., M. Mus. Ed., M.P.A., M.S. Ed.; Specialist Degree (6 yr.); Ph.D., M.D., J.D.

UNDERGRADUATE CURRICULA AND COURSES

The undergraduate fields of study offered by Southern Illinois University at Carbondale follow in alphabetical order rather than by college or school. Unless otherwise noted, the curriculum in each field listed below leads to a bachelor's degree. Associate degree curricula are marked with an asterisk. Specializations within fields of study are included in listings of recommended two year programs.

Accounting	Forestry
Administration of Justice	French ³
Administrative Sciences	Geography
African Studies	Geology ³
Agricultural Education	German ^{1,3}
Agricultural Industries	Greek
Agriculture, General	Health Education
Allied Health Career Specialties*	History
Animal Industries	Home Economics Education
Anthropology	Industrial Technology
Architectural Technology*	Interior Design ^{1,3}
Art	Japanese ^{1,3}
Asian Studies ^{1,6}	Journalism
Automotive Technology*	Language Arts and Social Studies
Aviation Technology*	Latin
Avionics Technology*	Latin American Studies
Biological Sciences	Law Enforcement*
Black American Studies ^{1,6}	Linguistics
Botany	Marketing
Business and Administration	Mathematics
Business Economics	Microbiology
Business Education	Mortuary Science and Funeral Services*
Chemistry	Museum Studies
Child and Family ³	Music
Chinese ^{1,3}	Nursing*
Cinema and Photography	Occupational Education
Classical Studies	Philosophy
Clothing and Textiles	Photographic and Audio-Visual Technology*
Commercial Graphics - Design*	Physical Education for Men
Commercial Graphics - Production*	Physical Education for Women
Community Development ^{1,6}	Physical Therapist Assistant*
Comparative Literature ^{1,6}	Physics
Computer Science	Physiology
Construction Technology - Building*	Plant and Soil Science
Construction Technology - Civil*	Political Science
Consumer Studies ^{1,4}	Psychology
Correctional Services*	Radio-Television
Dance ^{1,5}	Recreation
Dental Hygiene*	Religious Studies
Dental Laboratory Technology*	Russian
Design	Secretarial and Office Specialties*
Early Childhood Education	Social Studies
Earth Science	Social Welfare
East Asian Civilizations ^{1,3}	Sociology
Economics	Spanish
Educational Media ¹	Special Major
Electronic Data Processing*	Special Education
Electronics Technology*	Speech Communication
Elementary Education	Speech Pathology and Audiology
Engineering	Technical Careers
Engineering Biophysics	Theater
Engineering Technology	Tool and Manufacturing Technology
English	(Numerical Control)* ²
Family Economics and Management	Uncommon Languages ^{1,2}
Finance	University Studies
Food and Nutrition	Zoology
<u>Pre-Professional Programs</u> ⁷	
Dentistry	Optometry
Law	Pharmacy
Medical Technology	Podiatry
Medicine	Theology
Nursing	Veterinary Science
Osteopathy	

¹Minor only.

²Described under Linguistics.

³Described under Foreign Languages and Literatures.

⁴Described under Family Economics and Management.

⁵Described under Physical Education.

⁶A special major may be developed in this field of study.

⁷Preparatory to applying to professional schools. These are non-degree programs.

*Associate degree curriculum.

APPLICATION REQUEST: ADMISSION PROCEDURES

To request application materials for admission, write to the:

Office of Admissions and Records
Southern Illinois University
Carbondale, Illinois 62901

or call toll free (Illinois residents) 800-642-3531. Direct call (618) 453-4381.

Counselors may request application packets in small quantities. Rolling admissions process:
NO DEADLINE. APPLICATION FEE: NONE.

ACT/APP

Beginning freshmen can simplify their admission to SIU by indicating at the time they write the American College Test (ACT) that their test scores should be sent to Southern Illinois University at Carbondale (college code 1144). Students who take the ACT during one of five national test dates and send their scores to us do not have to apply for admission. Once we are in receipt of a student's test scores, we will contact that student automatically. Students who score 19 or higher on the ACT will be tentatively admitted and receive a preprinted application called ACT/APP. To finalize admission, the ACT/APP must be returned to us along with an official copy of the student's transcript.

Students who have sent ACT scores of less than 19 but greater than 15 will be sent a special application for admission. This document must be completed and returned to the Admissions Office with a copy of the student's transcript. Students with test scores less than 16 must submit a regular application for admission.

All students who do not or have not sent ACT scores as a result of the national test dates must apply through the traditional application for admission process. (Details described below.)

REQUIRED MATERIALS AND PROCEDURES

HIGH SCHOOL APPLICANTS

Freshman may be considered for admission any time following their sixth semester in high school. Prospective high school students should submit:

1. Completed and signed application forms or ACT/APP.
2. Two copies of the high school transcript signed with school seal, class rank, and if available, ACT scores.
3. Official ACT scores (from Iowa City).

G.E.D. APPLICANTS

Eligible G.E.D. applicants will be considered for admission upon submission of the following materials:

1. Completed and signed application forms.
2. High school transcript.
3. Official G.E.D. results.
4. Official ACT scores (required of students less than 21 years of age).

NOTE: If the student did not request the results of the ACT examination be sent to SIU Carbondale (code 1144) at the time he registered for the exam, he should request that supplemental scores be sent to SIU by contacting ACT, Box 451, Iowa City, Iowa.

TRANSFER STUDENTS

Transfer students may be considered for admission as early as one year in advance of their intended enrollment at SIU or as late as the beginning of each semester. Transfer students who will have at least 26 semester hours or 39 quarter hours will be considered for admission upon submission of the following materials:

1. Completed and signed application forms.
2. Official transcripts from each institution attended after high school.
3. Work in progress form.

Transfer students who will have less than 26 semester or 39 quarter hours will be considered for admission by providing:

1. Completed and signed application forms.
2. Official transcript from each institution attended after high school.
3. Work in progress form.
4. High school transcript (2 copies).
5. Official ACT scores.

All students transferring from a non-regionally accredited institution must also submit a high school record and ACT scores regardless of hours completed, degrees earned, or grade point average. All students who are required to submit a high school record but who did not graduate should submit results of the G.E.D. examination and their incomplete high school record.

The School/College Relations Division of the Admissions and Records Office functions to assist schools by providing representatives for college day and night programs, counseling prospective students, visiting schools on request, distributing university materials, and providing general assistance to counselors. Counselors should feel free to contact members of this staff any time when information or materials are needed.

School/College Relations Division
Admissions and Records
Southern Illinois University
Carbondale, Illinois 62901
Phone: 618-453-4381
Toll Free (Illinois Residents) 800-642-3531

Thomas McGinnis	Director
George Mandis	Counselor
Debbie Perry	Counselor
Cathy Walsh	Counselor
Ben Barron (Chicago Area)	Counselor
Morgan Ruph (Veterans)	Counselor

ADMISSION POLICIES, REQUIREMENTS

ADMISSION OF FRESHMEN

To be eligible for admission, applicants must be graduates of recognized high schools. Graduates of non-recognized high schools may be admitted to the University by completing successfully the General Educational Development Test or an entrance examination. Persons who have not completed high school may also qualify for admission by completing the GED test provided they meet the requirements to write this examination.

All admissions granted students while in high school are subject to the completion of high school work and maintenance of rank upon which the admission was made.

Students entering the University as freshmen are enrolled in the schools or colleges within the University that offer the academic programs they indicate they plan to pursue. Students who are undecided as to the course of study they want to follow are enrolled in General Academic Programs, pre-major advisement or selected other academic units.

EARLY ADMISSION POLICY FOR FRESHMEN

Exceptionally capable high school students who (a) have completed their junior year, (b) are recommended by the high school principals, and (c) are approved by the director of admissions of the University will be permitted to enroll for University courses to be taken concurrently with their senior year of high school work. Such students will also be permitted to enroll for University courses offered during the summer session between their junior and senior years of high school, without being concurrently enrolled in the secondary school. Enrollment during the summer for students participating in this early admission program is limited to eight semester hours.

It is expected that high school principals will judge each case on its individual merits, and that in making their selections and recommendations they will consider such things as:

- (a) the rank held by the students in their high school classes;
- (b) the results of any standardized test which the students may have taken;
- (c) the opinion of the students' teachers regarding their aptitude for college level work;
- (d) the opinion of the students' teachers regarding the students' having attained sufficient maturity to adjust to the social and emotional interactions involved.

ADMISSION OF FRESHMEN TO BACCALAUREATE PROGRAMS

Applicants seeking admission to a baccalaureate program who have an ACT composite score of 19 or higher (SAT 800) are eligible for admission any semester. In addition, high school graduates who rank in the upper half of their graduating classes and who score a minimum ACT composite of 16 or higher (SAT 720) are also eligible for admission any semester.

High school graduates who rank in the upper two thirds of their graduating class or who earn a minimum ACT composite score of 16 or higher (SAT 720) are admissible for the spring semester on a conditional basis. The conditions are that the student must enroll for a minimum of 12 semester hours and complete at least 10 semester hours of graded work with a minimum overall "C" average. Students who do not meet the conditions of probationary admission will be suspended and will not be considered for re-admission for one academic year.

Students who have been admitted or who qualify to be admitted on a conditional basis may earn transfer credit at another college or university prior to their spring semester at SIU. However, to maintain their eligibility for spring enrollment, students must earn an overall "C" average in all work attempted.

A limited number of applicants who do not meet the University's entrance requirements may be granted admission to the fall semester through two special admission programs, Basic Skills and Special Supportive Services. All applicants who are not admissible by the above requirements will have their applications reviewed automatically for admission to one of these special programs.

ADMISSION OF FRESHMEN TO ASSOCIATE DEGREE PROGRAMS

Students seeking admission into the associate degree programs in the School of Technical Careers can qualify for admission any semester if they rank in the upper two thirds of their graduating class or score a minimum ACT composite score of 16 or higher (SAT 720). Students who do not qualify for admission to the associate degree programs under the above requirements may be granted conditional admission for the spring semester.

Students seeking admission to Dental Hygiene, Dental Laboratory Technology, Mortuary Science and Funeral Service, Nursing or Physical Therapist Assistant programs must meet university entrance requirements as well as those of the specific programs. In addition, students interested in Dental Hygiene are required to take the Dental Hygiene Aptitude Test. This test must be taken in April of a student's junior year or no later than November of the senior year.

Admission to SIU does not insure admission into one of the above two year associate degree programs. Interested counselors/students are urged to contact the individual department chairmen to determine what additional materials may be required for admission. All students will receive further information after their admission to the University.

Students may be admitted only during the fall semester to associate degree programs in Dental Hygiene, Physical Therapist Assistant, Commercial Graphics-Design, Dental Laboratory Technology, and Mortuary Science and Funeral Service.

ADMISSION OF G.E.D. APPLICANTS TO UNIVERSITY PROGRAMS

Non-high school graduates may be considered for admission by satisfactorily passing the G.E.D. examination assuming they submit all required application materials. Students who are less than 21 years of age are also required to achieve a minimum ACT score of 16 for admission to four-year programs.

ADMISSION OF TRANSFER STUDENTS

For academic purposes undergraduate applicants for admission to the University are considered to be transfer students when they present any amount of graded work for transfer consideration; otherwise, they are considered for admission as new freshmen.

In the event transfer students' grade point averages cannot be determined, their admission may require, in addition to a review of their college performance, standardized examinations and secondary school records.

Transfer students who have been suspended for any reason other than academic failure must be cleared by the Student Life Office before admission will be granted by the director of admissions.

Transfer students will be admitted directly to the school or college in which their major fields of study are offered. Students who are undecided about their major fields of study will be admitted to the General Academic Programs Division or selected other units.

Transfer students from non-baccalaureate programs will ordinarily be placed in the upper division unit in which they plan to continue their studies. Students admitted to associate degree programs of the School of Technical Careers will be enrolled in that academic unit.

ADMISSION OF TRANSFER STUDENTS TO BACCALAUREATE PROGRAMS

Students who have an overall "C" average as computed by SIUC, 2.0 on a 4.0 scale (all institutions), and are eligible to continue their enrollment at the last institution attended are eligible to be considered for admission for any semester. If a student is seeking admission with fewer than twenty-six semester hours, the applicant will be required to meet the admission requirements of a beginning freshman as well as a transfer student.

Students who do not meet the University's transfer admission requirements will have their applications reviewed thoroughly. Those students who submit evidence of scholastic aptitude can be considered for admission on a probationary basis. Students who have been placed on scholastic probation or academic suspension from another college or university will be considered for admission only if an interruption of education has occurred and 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; or (4) previous academic performance.

Transfer students who have completed a minimum of one year of work can be considered for admission one year in advance of their date of matriculation if they plan to transfer without interruption. Students who have completed less than one year of study may initiate the admission process after the completion of one semester or one quarter of work. Students who are enrolled in a collegiate program for the first time and wish to transfer upon completion of their first term may do so if they meet the University's admission requirements for beginning freshmen. Admission may also be granted one year in advance for selected programs to students who are in their first term of a collegiate program provided they qualify for admission as 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 will have their initial admission withdrawn.

Students who have graduated with an associate degree in a baccalaureate-oriented program from a two-year institution may enter Southern Illinois University at Carbondale any semester without regard to their average provided they have not taken additional college-parallel work since their graduation. If they have, their admission will be considered on the basis of their conformity to the University's regular transfer admission standards.

Students applying for admission to the University to pursue baccalaureate programs from programs not so oriented will be considered for admission as follows: (1) students from regionally accredited institutions will be considered on the basis of their conformity to the University's normal transfer admission standards, and (2) students who have completed a two-year or equivalent program with a "C" average in an institution which has not been accredited by a regional accrediting association will be admitted if the institution is (a) one falling within the normal purview of a regional accrediting association which has not yet been evaluated for accreditation, or (b) one recognized by an accrediting body which itself is recognized by the National Commission on Accrediting or the U.S. Office of Education. Students who have attended institutions as outlined in (2) above and who have not completed two-year programs or equivalent or who have less than a "C" average are considered for admission as entering freshmen.

ADMISSION OF TRANSFER STUDENTS TO ASSOCIATE DEGREE PROGRAMS

Students who have an overall "C" average, 2.0 on a 4.0 scale (all institutions), and are eligible to continue their enrollment at the last institution attended are eligible to be considered for admission for any semester. If a student is seeking admission with fewer than twenty-six semester hours, the applicant will be required to meet the admission requirements of a beginning freshman as well as a transfer student for unconditional acceptance.

Students who do not meet the University's transfer admission requirements will have their applications reviewed thoroughly. Those students who submit evidence of scholastic aptitude can be considered for admission on scholastic probation. Students who have been placed on scholastic probation or academic suspension from another college or university will be considered for admission by the Office of Admissions and Records only if an interruption of education has occurred and 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; or (4) previous academic performance.

A student who is admitted to an associate degree program as a transfer student and then decides at a later date to enter a four-year program must meet the University's baccalaureate admission requirements at the time of transfer.

New students may be admitted only for the fall semester to selected majors in the School of Technical Careers. Please consult the admission application guide to determine when new students can be admitted to two-year programs in the School of Technical Careers.

ADMISSION TO THE TEACHER EDUCATION PROGRAM

Admission to the University does not insure admission to the Teacher Education Program. Since some teaching fields are overcrowded, students are encouraged to investigate the feasibility of applying for a particular field early in their undergraduate careers by contacting their advisors or the major department in which they wish to specialize.

It is necessary to make formal application for admission to the Teacher Education Program. If a student has an overall grade point of at least 2.15 (4.0 scale) and a minimum of 30 semester hours of completed academic work, including Education 201, the student is eligible for admission to the program. Students with at least 60 semester hours and/or an Associate of Arts or Science Degree may be admitted to the Teacher Education Program (assuming other prerequisites are met) and register concurrently for Education 201, 301, and 303. Application forms are available in Room 108 of the Wham Education Building and must be returned, along with the student's latest transcript, to the same office. All applications must be submitted in person. Applications received by mail are not approved.

Admission to "pending" status in the program is granted by the Coordinator of Teacher Education Services in Wham 108. This status allows a students to begin work on the block of professional education courses and experiences. Additional approval from the department offering the teaching major is required before a student can complete the sequence of professional education courses, including the semester of student teaching.

Students not approved for advancement in the Teacher Education Program will be counseled about alternative degree programs.

ADMISSION OF INTERNATIONAL STUDENTS

In general, international students must meet the same academic standards for admission as those required of native students. As there is considerable variation between educational systems throughout the world, precise comparative standards are not always available. Therefore, international students are selected upon the basis of their former academic work and the students' financial resources for support during the normal period of time required to reach the objectives of their studies.

In addition to submitting copies of secondary school records and, when applicable, college transcripts, international students must also submit scores from TOEFL examination (Test of English as a Foreign Language). TOEFL scores are required of all international students who (1) have completed their secondary education in a country where English is not the native language, (2) have completed fewer than two years study in a United States high school, (3) have completed fewer than two years (60 semester hours) of collegiate training in an accredited United States college or university. Students who have completed their secondary education in a country where English is the native language are required to submit scores from either the American College Test or the Scholastic Aptitude Examination.

Students who have acquired immigrant status are also required to demonstrate English proficiency. English proficiency can be demonstrated by successful completion of the TOEFL examination or a special English examination administered by the Center for English as a Second Language. Immigrants who have completed at least two years of study in a United States high school, have earned sixty semester hours in a United States College or University, or have completed their secondary education in a country in which English is the native language are not required to submit TOEFL scores or write a special English examination.

International students whose secondary school and college records are acceptable for admission purposes must also receive high enough TOEFL scores for unconditional admission. Students with a TOEFL score of 525 or higher will be granted unconditional admission. Applicants whose TOEFL scores is between 475 and 524 will be admitted contingent upon completion of an English re-test administered by the Center for English as a Second Language. Students who fail to submit TOEFL scores, or who do not submit acceptable TOEFL scores, will be required to attend courses at the Center for English as a Second Language.

International students interested in making application to Southern Illinois University at Carbondale should address their inquiries to the Office of Admissions and Records, Southern Illinois University at Carbondale, Carbondale, Illinois 62901.

ADMISSION OF SPECIAL CATEGORIES OF STUDENTS

Several types of students are given special consideration when seeking admission to the University. These are described below:

ADMISSION OF VETERANS

Veterans are admissible in good standing regardless of their previous academic records provided they have completed no college work since military separation or the college work they have completed since separation/discharge is of "C" quality or better. It is assumed a veteran has graduated from high school or has earned the GED equivalency certificate. A veteran is required to submit all of the necessary academic records to the Admissions Office before his or her application for admission can be processed.

BASIC SKILLS AND SPECIAL SUPPORTIVE SERVICES

The University operates two programs through which educationally and socially disadvantaged students are admitted to the University each fall who would otherwise not meet the University's regular admission standards. All applicants who do not meet established admission requirements will have their applications reviewed automatically for consideration.

ADMISSION OF ADULTS AS UNCLASSIFIED STUDENTS

Adults who have never enrolled in an institution of higher education may enroll in select courses as a non-degree student without submitting all of the academic records required of a regularly admitted student. Students in this category must be high school graduates or have passed the GED Test. Applicants interested in seeking admission as an unclassified student are encouraged to write to the Admissions and Records Office.

HOUSING INFORMATION

REGULATIONS

All SINGLE FRESHMAN under the age of 21, not living with parent or guardian, are required to live in on-campus residence halls, or similar privately owned residence halls. The privately owned residence halls must provide facilities, food service, and supervision comparable to oncampus housing.

All SINGLE SOPHOMORES under the age of 21, not living with parent or guardian, are required to live in on-campus residence halls or University approved off-campus housing. Sophomore approved housing includes rooming houses and residence hall apartments. Such facilities are not required to provide food service but are required to have University approved adult managers and are inspected and approved by the University.

There are no University regulations for JUNIOR, SENIOR, GRADUATE, MARRIED STUDENTS, VETERANS, OR those students 21 years of age or over on the first day of the semester.

UNIVERSITY FACILITIES FOR SINGLE UNDERGRADUATES

BRUSH TOWERS

The Brush Towers residential area, located on the southeast edge of the SIU campus consists of two 17 story air conditioned residence halls (Mae Smith and Schneider Tower). Each hall houses 816 students (male, female, co-ed).

UNIVERSITY PARK

The University Park residential area, located on the southeast edge of the SIU campus consists of one 17 story air conditioned residence hall (Neely Hall-male, female, co-ed), and three 4-story men's triad buildings (Allen, Boomer, and Wright Halls). (This area is highly recommended for students taking classes at the School of Technical Careers or SIU Airport since the bus service departs from this location).

THOMPSON POINT

The Thompson Point residential area, located on the shores of the SIU Campus Lake, consists of eleven halls with each housing approximately 120 students. (Male, Female, Co-ed).

CONTRACT COSTS

	Semester	Academic Year
Thompson Point (men and women) room and board	\$760	\$1520
University Park (men & women) room and board (two to a room)	\$760	\$1520
University Park (men) room and board (two to a room)	\$735	\$1470
Brush Towers (men and women) room and board	\$760	\$1520

Inquiries concerning on-campus housing should be directed to University Housing, Supervisor of Contracts, Washington Square.

UNIVERSITY FACILITIES FOR MARRIED STUDENTS

SOUTHERN HILLS

The Southern Hills residential area located on the southeast edge of the SIU campus consists of efficiency, one bedroom and two bedroom apartments for married students.

EVERGREEN TERRACE

The Evergreen Terrace residential area located on the southwest edge of the SIU campus consists of two and three bedroom apartments for married students.

MARRIED STUDENT HOUSING COST

Efficiency apartments	\$124/month
Furnished one bedroom	\$140/month
Furnished two bedroom	\$151/month
Unfurnished two bedroom	\$146-150/month
Unfurnished three bedroom	\$165/month

The University pays all utilities. Interested students should contact Family Housing, Southern Illinois University at Carbondale, Carbondale, Illinois 62901. 618/453-2301.

OFF CAMPUS FACILITIES

Single student facilities include residence halls, apartments, rooming houses and trailer courts. Married student facilities include apartments, rooming houses, private houses and trailers. Students may obtain information on off campus facilities through the Housing Information Center, Washington Square, Building B, SIU, Telephone 618-453-2301.

GENERAL HOUSING INFORMATION

APPLICATION FOR HOUSING: All students automatically receive information and applications for housing as part of the admissions process.

TERM OF CONTRACT: Housing contracts are written for the Fall and Spring semesters and remain in effect for these two semesters. Summer contracts are issued separately. Students who desire housing during both the summer and the fall should submit two separate housing applications.

SMALL GROUP HOUSING: This residential area primarily provides housing for recognized sororities and fraternities. Assignment to these areas is by invitation and interested students should contact fraternal organizations or the Inter-Greek Council, 618-453-2874.

MEAL SERVICE: In all areas except married student housing and Small Group Housing, meals are provided on the basis of 20 meals per week, 3 meals each day, 6 days per week, and breakfast and noon dinner on Sundays. Unlimited second helpings are offered.

SPECIAL INTEREST GROUPS: Students may request to be assigned to areas where their special interest can be accommodated, such as intensive study areas, transfer student areas, upperclassman, graduate areas, and President Scholars areas.

COED LIVING: Co-educational living is available at all areas except to first semester freshmen students.

ROOM FURNISHINGS: All rooms are equipped with twin size beds, closet space, chest of drawers, desks, study chairs, and draperies. Free weekly linen service provides students with two sheets and one pillow case. Room arrangements are two students per room sharing private bath with adjoining two student room, except University Park men which has community showers.

ROOMMATES: New students both freshman and transfer have the opportunity to select a roommate of their choice before arriving provided the request is mutual and each student has a signed contract on file with advance payment by June 1, and space exists at the time room assignments are made.

REGISTRATION AND ADVISEMENT

Two registration periods are available each semester: Advance and Final.

Advance Registration is conducted during approximately 11 weeks of the preceding semester. New freshmen and transfer students entering in the Fall Semester have several weeks during June, July and August set aside for the purpose of orientation advisement and registration. The Advance Registration period is highly recommended for new freshman and transfer students as it permits maximum course selection, counseling and campus orientation.

Final Registration is conducted during the last two weekdays preceding the start of the semester. Late applicants and students who did not advance register will complete the advisement and registration process during this period.

A similar procedure is used for advisement and registration for the spring semester and summer session.

ADVISEMENT

All new students (freshman, transfers) are assigned an advisement appointment and notified by mail. Appointments are mailed out for the semester indicated around the following dates: fall, June 15; spring, October 15; summer, April 1.

All new students will receive additional information on the advance registration procedures at the time they receive their advisement appointment. Should a student find it is impossible to keep his or her advisement appointment he or she should contact his or her advisement unit and suggest an alternative date during the advance registration period.

Re-entry and continuing students must make their own advisement appointment with their academic unit advisement center.

PROCEDURES

Advance registration usually takes onehalf day unless the student elects to take advantage of various proficiency examinations. Parents are encouraged to accompany their son or daughter.

LODGING AND PARKING

Adequate lodging facilities are available in and near the community at various motels. Students advance registering during the summer for fall semester may acquire overnight lodging on campus.

In addition, guest parking permits are included in the registration information packet. The Arena parking lot, Student Center lot, and metered stalls on campus are available for campus parking to visitors.

FEE ASSESSMENT

Students who have been awarded scholarships (i.e., ISSC) should bring a copy of the award notification so that their fees can be assessed accordingly.

ORIENTATION: TWO HOURS

Guests are welcome to tour the campus or visit offices related to their special needs (housing, financial assistance, etc.).

ADVISEMENT: APPROXIMATELY FOURTY-FIVE MINUTES

A student is advised of requirements and proficiency opportunities, discusses vocation plans, and then selects appropriate courses.

REGISTRATION: ONE HOUR

The student selects the time his or her classes will meet, obtains I.D. badge, and acquires fee statement.

ADVISEMENT CENTERS

	Area code (618)
General Academic Program Advisement (Woody Hall)	453-4351
School of Technical Careers (STC Campus)	536-5578
Architectural Technology (Technology Building)	453-2524
Aviation Technology (Southern Illinois Airport)	536-3371
Physical Therapy Assistant (Wham Education Building)	453-2361
School of Agriculture (Agriculture Building)	453-2469
College of Business and Administration (General Classroom Building)	453-5250
College of Communications and Fine Arts (Communications Building)	453-4308
Art (Allyn)	453-2032
Cinema and Photography (Communications Building)	453-2682
Journalism (Communications Building)	536-3361
Music (Altgeld Hall)	453-2527
Radio-Television (Communications Building)	453-4343
Speech Communication (Communications Building)	453-2291
Speech Pathology and Audiology (Communications Building)	453-4301
Theater (Communications Building)	453-5741
College of Education (Wham Education Building)	453-4394
School of Engineering and Technology (Technology Building)	453-2261
College of Human Resources (Home Economics Building)	453-2581
Administration of Justice (Faner Building)	453-5701
College of Liberal Arts (Faner)	453-3388
College of Science (Neckers Building)	536-5537

COSTS

TUITION AND FEES

Tuition and fees charged students are established by the Board of Trustees and are subject to change whenever conditions necessitate. All assessments are on a per-hour basis, with 12 hours considered full time. Students will be assessed the following tuition and fees each term: The following fee schedule is for the 1978 Fall Semester.

ON-CAMPUS UNDERGRADUATE FEE SCHEDULES

Semester Hours Enrolled	Illinois Residents			Non-Illinois Residents		
	Tuition	Student Fees	Total	Tuition	Student Fees	Total
1	\$ 22.00	\$ 56.34	\$ 33.34	\$ 66.00	\$ 56.34	\$122.34
2	44.00	59.42	103.42	132.00	59.42	196.42
3	66.00	64.75	130.75	198.00	64.75	262.75
4	88.00	70.25	158.25	264.00	70.25	334.25
5	110.00	75.75	185.75	330.00	75.75	405.75
6	132.00	81.25	213.25	396.00	81.25	477.25
7	154.00	86.75	240.75	462.00	86.75	548.75
8	176.00	92.25	268.25	528.00	92.25	620.25
9	198.00	97.75	295.75	594.00	97.75	691.75
10	220.00	103.25	323.25	660.00	103.25	763.25
11	242.00	108.75	350.75	726.00	108.75	834.75
12+	262.00	114.25	376.25	786.00	114.25	900.25

All students will pay the full Student Medical Benefit Fee of \$45.00, which will entitle them to full medical benefits at the Health Service. An on-campus student may seek a refund of the Student Medical Benefit Fee within the first four weeks of each semester by contacting the administrative director of the Health Service. (The on-campus undergraduate student fee includes allocations to the Student Medical Benefit Fee, Student Welfare and Recreation Fund, Athletic Fund Fee, Student Center Fee, Student Activity Fee, Student Attorney Program, and Student-to-Student Grant.)

The Student Attorney Program Fee and Student-to-Student Grant Program Fee are voluntary payments. Students may receive full refunds for these fees by requesting such within ten days following full tuition and fee payments.

Payment: Tuition and fees are payable by semester. A student who advance registers receives a fee statement and may pay either by mail or in person at the Bursar's Office, by the deadline date specified on the statement. Students who register for classes who do not pay their tuition and fees by the specified deadline will have their registrations cancelled. A student who registers during final registration must pay tuition and fees at the time of registration.

A student holding a valid scholarship is exempt from tuition and fees to the extent prescribed by the scholarship. An Illinois State Scholarship may cover all tuition and fees or it may be a partial award.

Tuition Costs by Year: Full time Illinois residents will pay \$752.50 per year for tuition and fees (fall and spring semesters). Full time out-of-state (non-residents) students will pay \$1,800.50 per year for tuition and fees.

Total University Charges: Full time Illinois residents can expect to pay up to \$1520.20 per year in housing costs bringing total university charges to approximately \$2272.50 per year for room and board, tuition and fees. Full time out-of-state students can expect to pay up to \$1520.00 per year for housing bringing total university charges to approximately \$3320.50 per year for tuition and fees, room and board.

Textbooks: Students must purchase all textbooks (estimated between \$100-\$150 per year).

Personal Expenses: Includes transportation to and from home, entertainment and personal items estimated at approximately \$700.00 per year.

FINANCIAL ASSISTANCE

The Office of Student Work and Financial Assistance at Southern Illinois University makes every attempt to economically insure that all students have the opportunity to matriculate and continue their education at SIU.

Every effort is made to provide a "package" of financial assistance including Scholarships, where warranted, Grants if need is shown, Work for all students who desire it regardless of financial need, and Loans such as the National Direct or Guaranteed.

SIU distributed over 22 million dollars in financial aid last year, over 7000 student workers were utilized, and approximately 80% of all the students on the SIU campus received some form of financial aid.

TYPES OF ASSISTANCE

SCHOLARSHIPS

- Illinois State Scholarship Commission Monetary Award
- Southern Illinois University Scholarship
- Illinois State ROTC National Guard
- Junior/Community College Scholarship
- National Collegiate Athletic Association Award
- Association of Intercollegiate Athletics for Women
- Illinois State Military Scholarship
- General Assembly Scholarship
- Dependents of Prisoners of War and Missing in Action
- Survivors of Policemen or Firemen Killed in the Line of Duty
- Air Force ROTC

GRANTS

- Basic Educational Opportunity Grant (BEOG)
- Supplemental Educational Opportunity Grant (SEOG)
- Special Education Traineeships
- Vocational Rehabilitation

LOANS

- National Direct Student Loan (NDSL)
- Illinois Guaranteed Loan
- Guaranteed Loans for Out-of-State Students
- Short Term Emergency Loans

PART-TIME EMPLOYMENT

- Student Work (On-Campus)
- Federal Work-Study (On-Campus)
- Student Work (Off-Campus)
- Cooperative Education Work Program
- Summer Work Program Nationwide

OTHER

- Veterans - Chapter 34 B.I. Bill
- Veterans - Chapter 35
- Veterans - Chapter 31 Vocational Rehabilitations
- Veterans - Pension for Dependent of Deceased or Disabled Vets (Form 674)
- Social Security
- Railroad Retirement

GENERAL INFORMATION

ACT/FFS

Prospective students seeking financial aid from SIU must submit an American College Testing Program Family Financial Statement to the American College Testing Program, Financial Aid Operations, P.O. Box 1000, Iowa City, Iowa 52240.

*SIU does not use the FAF (Financial Aid Form).

All Illinois undergraduate students are urged to apply for the Illinois State Scholarship Commission (ISSC) monetary award as well as the Basic Educational Opportunity Grant Program (BEOG).

As SIU receives the processed ACT/FFS from Iowa City students are automatically sent applications for programs for which they appear to be eligible.

Students and counselors desiring additional information should contact:

- Office of Student Work and Financial Assistance
- Southern Illinois University
- Carbondale, Illinois 62901
- (618-453-4334)

STUDENT SERVICES: STUDENT ACTIVITIES/ATHLETICS/INTRAMURALS

SERVICES

Career Planning and Placement Center, 618-453-2391

This office provides students the opportunity to explore occupations and develop vocational interests, examine individual potentials and interests, examine job market opportunities, and be assisted in placement into a career. Vocational and educational counseling, testing, and placement services are provided. Students may also arrange for programs such as the Graduate Record Examination, Miller Analogy test, Law School Aptitude test, etc. See also section on "Entry Level Job Titles."

Counseling Center, 618-453-5371

The Counseling Center is staffed with professional counselors qualified to assist students with personal development and resolution of problems. Personal problems, marital adjustment difficulties, social skill development, parental conflict, and sex role awareness development are areas of frequent concern to students. Counseling is provided through one to one student-counselor contact or in group discussion within an atmosphere of confidentiality and trust.

Specialized Student Services, 618-453-5738

This office functions to provide specialized services to disadvantaged and physically handicapped students. Particular emphasis is placed on assisting the handicapped student with SIU being one of the most well equipped campuses in the nation. All the buildings on the SIU campus are fully ramped, special elevators are available, special earphone jacks are available in specific classrooms. The Specialized Student Service Division helps find attendants for the severely handicapped, operates a special bus service and provides emergency wheelchair repair service. The names of all students who say they are handicapped on the application for admission are referred to this office, which sends information on housing and accommodations for special needs.

EXTRACURRICULAR ACTIVITIES

Student Activities, 618-453-5714

Student Activities is made up of concerned students whose interests are expressed through the Activities Council. The decision as to what will be offered to the student body is the responsibility of the Activities Council, with the final authority resting under student control. There is an office staff of professional activities consultants available as advisors and fiscal administrators.

Some of the general areas of concern for this year will include the environment, mass media, social events, and cultural affairs.

The best guides to the many cultural, social, and recreational events are the Daily Egyptian and the local newspaper, the Southern Illinoisian.

Social Activities

The University annually sponsors over 3,000 student activities. These include formal, semi-formal, and informal activities.

Annual all-campus events include Homecoming, Parent's Weekend, International Festival, Theta Xi Variety Show, Convocations, Celebrity Series, Arena Series, Community Concert Series, films (movie hour and cinema classics), theater productions, and various instrumental and vocal performances. In addition, the calendar includes activities sponsored by Student Government, Saluki Marching Band, Debates, and important meetings, lectures, seminars, symposia, colloquia, and conferences.

Student Government, 618-536-3393

The Student Government is composed of the Campus Senate, which reflects student's concerns, passes bills and resolutions on student affairs, and gives recognition and financial assistance to student organizations.

Social Organizations

There are 241 recognized university-approved student organizations on the SIU campus. Every student has the opportunity to become actively involved in both academic and departmental organizations as well as an exhaustive number of social organizations.

Almost every ideology and special interest group is represented on the SIU campus, all which benefit students greatly in both their academic, professional and social development.

Interested students should feel free to contact the Student Activities Office for information on special student groups.

INTERCOLLEGIATE ATHLETICS

Southern Illinois University boasts one of the country's best all-around sports programs. The Salukis compete successfully in the National Collegiate Association's Division I, which includes the nation's top 126 athletic programs and as of May 1978, in Division I of the Association of Intercollegiate Athletics for Women.

In the last 15 years, the Salukis have won national team championships in basketball, gymnastics, cross country, and golf as well as hundreds of individual national championships in all eleven intercollegiate sports for men.

The Saluki men's athletic program was recently enhanced with the admission of SIU into the Missouri Valley Conference. In addition to its strength in several other sports, the Valley is recognized nationally as one of the top two or three basketball leagues in America.

Recent highlights for men's athletics include the 1977 Missouri Valley Tennis Championships, 1976, 1977, 1978 Missouri Valley Indoor Track Championships, and 1977 Central Collegiate Track Championship. The track program annually ranks among the nation's top 15 teams whether it be cross-country, indoors, or outdoors. The Salukis are a feared contingent on the Florida, Kansas, Drake and California relays circuit. The SIU men also won the 1977 Missouri Valley Basketball Championship and participated in the 1977 NCAA Basketball Tournament, and finished second in the 1978 Championship. The Saluki baseballers, twice runner-up in the College World Series, won the 1977 Missouri Valley Baseball Championship and are on their way to another College World Series with their current third place ranking in the NCAA. The Saluki swimmers finished 17th in the NCAA for 1978 and the gymnastics team has been the national champion four times in recent years.

The extensive women's athletics program entails competition in eleven sports. The SIU women have won numerous national and state titles. The SIU women's gymnastics teams in particular have brought SIU world wide recognition with their repeated national championships.

Coaches (Men's Athletics)

Baseball: Richard Jones
Basketball: Joe Gottfried
Football: Rey Dempsey
Golf: James Barrett
Gymnastics (Men): Bill Meade

Swimming: Bob Steele
Tennis: Dick LeFevre
Track-Cross Country: Lew Hartzog
Wrestling: Linn Long

Coaches (Women's Athletics)

Badminton: Janet Wigglesworth
Basketball: Cindy Scott
Cross-Country: Claudia Blackman
Field Hockey: Julie Illner
Golf: Sandy Blaha
Gymnastics: Herb Vogel

Softball: Kay Brechtelsbauer
Swimming: Inge Renner
Tennis: Judy Auld
Track and Field: Claudia Blackman
Volleyball: Debbie Hunter

Athletic scholarships are awarded by coaches of individual sports. Applicants interested in obtaining more information on athletic scholarships are encouraged to contact the coach in the area of their interest.

Intercollegiate Athletics for Men
Telephone: 618-453-5311
Location: Arena 119

Intercollegiate Athletics for Women
Telephone: 618-536-5566
Location: Davies Gym

Intramural Athletics (Men and Women)

SIU provides extensive opportunities for students to participate in intramural athletics. Competition in a variety of sports is available. In addition, a new 140,000 square foot recreation building is now in operation.

Intramural Athletic Office: 618-536-5531

MOTOR VEHICLES

REGISTRATION

An eligible student may register only his or her own vehicle or a vehicle of a member of his or her family. Only eligible students may park on campus.

ELIGIBILITY

Graduate students and the following categories of undergraduate students may apply for permission to use, operate, park, or possess motor vehicles on campus during posted hours, with the final approval to be given by the dean of Student Services:

1. Juniors and seniors (56 credit hours or more).
2. Veterans with two years of military service.
3. Married students.
4. Students residing in the home of parents or guardian.
5. A student who requires a motor vehicle for reasons of health or physical condition as certified in writing by Specialized Student Services.
6. A student who is certified in writing by the Office of Student Work and Financial Assistance to require a motor vehicle for purposes of employment.
7. A student not covered by 1 through 6 preceding whose reason for requiring a motor vehicle is judged valid by the appropriate dean of students and so certified in writing.

APPLICATION AND FEE

Each applicant must present a valid operator's license, vehicle registration card or notarized license-applied-for receipt, proof of liability insurance, and university identification card. A student must also present a receipted fee statement card. Dealer license plates are not acceptable for motor vehicle registration. If a parking decal is purchased, a fee is charged and is determined by the type of decal an applicant is eligible for and receives, currently \$1-\$30.

Yellow registration decals will be issued for \$1.00 upon proper application.

All decals are valid until September 1, or until revocation or loss of eligibility. The extent of the motor vehicle privilege granted to any person shall be based on need or advanced academic standing, in general accordance with the following criteria:

1. First opportunity to obtain blue decals will be granted to full-time employees and to students whose health or physical condition require the privileges thereof.
2. All employees and students eligible in accordance with any of the categories mentioned under ELIGIBILITY may apply for red decals.
3. A yellow decal serves as evidence of the proper registration of a motor vehicle by an eligible student. It does not authorize any parking on campus (except at fee lot at Student Center or parking meters) at any time during the posted hours.
4. Temporary permits may be issued in unusual circumstances.

NOTE: Decals issued, according to color, indicate the nature of any parking privileges permitted the holder.

5. Guest permits are available to University visitors and offices, guests of University housing residents and guests of the Baptist Student Center free of charge.

For additional information or parking brochure contact:

University Parking Division
Southern Illinois University
Washington Square Building D
Carbondale, Illinois 62901
Phone: 618-453-5369

ACADEMIC INFORMATION

Special Recognition
Credit Options
Special Degree Programs
Scholastic Standards
Basic Graduation Requirements
Institutional Comparison
General Studies for the Transfer Student
Approved Substitutes
Evaluation of Transfer Credit

UNIVERSITY RECOGNITION OF HIGH SCHOLASTIC ACHIEVEMENT

A Scholastic Honors Day convocation is held each spring to honor students exhibiting high scholastic achievement. Candidates for a bachelor's degree in May or August who have maintained a grade point average of 3.50 or higher for all of their work through the fall semester of their senior year receive special honor. All other students have a 3.50 average are also honored at the convocation. The 3.50 average is required for all work taken at SIUC and, in the case of transfer students, for the total record. Except in the case of graduating students, students must be attending full time to be eligible.

Graduating students with scholastic averages of 3.90 or higher receive University highest honors; those with 3.75 - 3.89 averages receive University high honors; and those with 3.50 - 3.74 receive University honors. This is recorded on the commencement program, on the student's academic record cards, and on their diplomas. The averages are required for the work taken at Southern Illinois University at Carbondale and, in the case of transfer students, for the total record.

Successful participants in all-campus honors programs which require maintenance of appropriate minimal scholastic standards, such as the President's Scholar Program receive recognition by notation on their academic records and on their diplomas. Honors courses, individual honors work, and honors curricula, all designed to serve students with high scholastic potential, are offered by departments in the School of Agriculture, the home economics departments in the College of Human Resources, the College of Liberal Arts, and the College of Science. A departmental or unit honors program consists of no fewer than six nor more than fourteen semester hours in research or independent study which is counted toward the students' majors. Some honors programs require a comprehensive examination at the end of the first semester and again at the end of the senior year. Grades may be deferred at the end of the first semester, but not from one school year to the next.

A variety of professional, departmental, and fraternal honorary organizations offer recognition and membership based upon scholastic achievement. Election or selection to most honoraries is noted at the Scholastic Honors Day convocation.

PROGRAM FLEXIBILITY FOR THE STUDENT

Southern Illinois University at Carbondale offers students a wide variety of programs on all higher educational levels. In addition, the University gives constant attention to methods whereby it might better serve present day educational needs. Described below are opportunities provided students to either earn credit through means other than the traditional classroom method or develop programs better suited to individual student needs than already established programs. While greater flexibility is the goal, the University exercises appropriate supervision to ensure that flexibility is accompanied by educational soundness.

CREDIT BY MEANS OTHER THAN CLASSROOM ATTENDANCE

Several methods are provided for students to earn credit by means other than the traditional classroom method. The methods currently available are described below.

HIGH SCHOOL ADVANCED PLACEMENT PROGRAM

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 Entrance Examination Board, 475 Riverside Drive, New York, New York 10027. To receive credit, students must earn a grade of 3, 4, or 5. Interested high school students should write the Office of Admissions and Records to learn the current listing of courses for which credit may be earned through this program.

Ordinarily, the maximum credit granted through advanced placement examinations is fifteen hours. It is nonresident credit, does not carry a grade, and is not used in computing the students' averages. Credit granted at another accredited college or university under this plan is transferable to this University up to a maximum of fifteen hours. Students may appeal to academic deans to be granted more than fifteen hours.

COLLEGE LEVEL EXAMINATION PROGRAM

Through the General Examinations of the College Level Examination Program (CLEP), students may apply for credit which will substitute for General Studies courses. With a score of 480 or higher on the appropriate examination, it is possible for students to receive six semester hours of credit in each of the three fields of natural sciences, social sciences and history, and humanities. The mathematics test requires a score of 580. With a score of 480 or higher on the English examination, students are permitted the opportunity to write an essay to gain proficiency credit in GSD 101 and GSD 117 (five semester hours). The credit received equates to 100-level General Studies credit. The amount of credit actually received through CLEP will be reduced by whatever 100-level General Studies course work, or its equivalent in the case of transfer students, is taken either prior to subsequent to the taking of the CLEP examinations. In the case of mathematics, a reduction in CLEP credit will occur for course work taken below calculus. An exception to this reduction of credit is permitted for the taking of elementary foreign languages on the 100-level.

CLEP examinations should be taken at one of the national testing centers and the results sent to the local CLEP coordinator. The results are then forwarded to the Office of Admissions and Records for evaluation.

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 offering 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 Entrance Examination Board, Advanced Placement Program, and the College Level Examination Program may be earned through proficiency examinations. Credit will be nonresident. (A combined total of 40 hours may be earned through proficiency examinations and credit for work experience.)
3. 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 a 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 their records will show nothing regarding the proficiency examination. However, the proficiency examination grade report form will be filed in the students' folders for reference purposes.
4. 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. Any student currently enrolled in any of the courses covered by any test may not take that test after completion of the second week of classes.
5. 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 Southern Illinois University at Carbondale.

CREDIT FOR WORK EXPERIENCE

Work experience in the form of internships or student teaching is a common instructional technique. Southern Illinois University at Carbondale also permits certain undergraduate programs to grant credit for work experience that relates to 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 and any combination of credit for proficiency examinations and credit for work experience is limited to 40 hours. Credit granted for work experience is considered nonresident 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.

THREE-YEAR BACCALAUREATE DEGREE PROGRAM

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

PRESIDENT'S DEGREE PROGRAM

The President's Degree Program is responsible for working with the colleges and their departments to provide a distinctive educational experience for those students of high motivation and talent who are interested in pursuing interdisciplinary studies on the undergraduate level. The basic objective of this program is to provide the opportunity to create the learning environment which optimally suits such students' needs and talents.

To help accomplish the above objective two special provisions are made for students admitted to the program. Upon submission of the College Level Examination Program General Examinations (with scores consistent with the University's acceptance of CLEP credit) all requirements for graduation other than the total number of hours of credit may be waived. Also, program members will choose an appropriate faculty advisor to help them plan logical and challenging curricula enabling them to attain their personal academic goals. Students may remain in the program as long as they are able to (a) show they are receiving some benefit from membership consistent with the objectives of the program, and (b) maintain a 3.0 grade point average. Degrees will be awarded through the regular degree granting units.

Those students who are in the top seven percent on national test scores and rank in the top ten percent of their high school classes are eligible to apply for admission as freshmen. Continuing and transfer students should have a 3.5 grade point average to warrant serious consideration for membership.

Inquiries about the President's Degree Program should be addressed to the director, President's Scholar Program.

SCHOOL OF TECHNICAL CAREERS INDIVIDUALIZED BACCALAUREATE PROGRAMS

The University provides an opportunity to continue educational pursuits toward a baccalaureate degree for students possessing an occupational, technical, or other similarly connotated educational background. The School of Technical Careers offers a Bachelor of Science degree in technical careers programs for such students. Individually designed programs are developed to meet the individual needs of the students. Programs do not duplicate baccalaureate programs already offered by other academic units.

The two additional years of course work will be determined cooperatively by the student, the degree granting unit, and a representative from the admissions office. Additional information may be obtained by writing the Admissions and Records Office and requesting Capstone information.

The regular University baccalaureate admission and other academic requirements and regulations are followed in the technical careers program. Persons interested in further information about this program should contact Dr. John Reynolds, STC Dean's Office, 453-5235.

UNIVERSITY STUDIES DEGREE PROGRAM

The University Studies Program provides the student with another option for earning a baccalaureate degree. The program is intended for the student who wants a broad, general education and does not wish to specialize on the undergraduate level. In fact, the program was proposed to serve the many students who express the desire to receive a degree, but whose interests are so varied as to preclude a major in a traditional discipline. Students may work toward either a Bachelor of Arts or Bachelor of Science degree in University Studies.

Students interested in the University Studies degree program should consult with the dean of General Academic Programs for more information.

SPECIAL MAJOR

Individual students with academic needs not met in any of the existing majors within the University may arrange a program of courses more suited to their special requirements. Information on the procedures for establishing a Special Major may be obtained from the dean, General Academic Programs.

CAPSTONE PROJECT

The Capstone Program enables community college graduates in occupationally oriented programs to complete a baccalaureate degree with two additional years of schooling. The program will prepare graduates for management-level positions in business, industry, and agriculture or occupational teaching.

Five degree granting schools at the University are involved in the Capstone Program and students may complete degrees in any of the following areas:

School of Agriculture
Agricultural Education
Agricultural Industries
Agriculture, General
Animal Industries
Plant and Soil Science

School of Engineering and Technology
Industrial Technology
--industrial design
--manufacturing
--supervision and personnel
--technical sales
--other technical areas
Mining Technology

College of Human Resources
Administration of Justice
Child and Family
Clothing and Textiles
Food and Nutrition

College of Education
Business Education
Home Economics Education
Occupational Education

School of Technical Careers
Individualized Baccalaureate Degree Programs

SCHOLASTIC STANDARDS

The matter of scholastic standing is quite often of importance to students both while in school and later when they present a transcript of their educational record in support of their application for employment or additional schooling.

At the end of each semester or session of attendance a grade report is prepared for each student showing, in addition to the grades earned that semester or session, what his or her scholastic standing is and what his or her grade point average is for the semester or session, and for his or her over-all record. It is important that students understand the University's system for computing grade point averages and the various grade point average requirements.

Transferred grades are not to be used in determining students' calculated grade point average, except that transfer students who are admitted on probationary status will be required to earn a 2.0 average semester by semester until a total of 12 semester hours has been earned, before students are removed from probation.

The significance of the above should be clearly understood by transfer students when studying the general baccalaureate degree requirements. A 2.00 (C) average is required for the work taken at this University.

In computing students' grade point averages all grades of A, B, C, D, E, WE, and ABS are included in determining the number of calculated hours. Each hour of these grades (1 hour of A is worth 4 grade points) is given its numerical grade points, and the total number of calculated hours is then divided into the total number of grade points to determine the student's grade point average.

Effective with the 1971 summer quarter all earned grades carrying grade point values are considered when computing students' grade point averages, including each earned grade in a repeated course that is taken during the 1971 summer quarter and thereafter. When computing averages through 1971 spring quarter the policy contained in the 1970-71 Undergraduate Catalog is followed.

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. Students in Good Standing are placed on Scholastic Probation when they have the following number of passed semester hours and more than the corresponding number of negative points:

<u>Passed Hours</u>	<u>More Than Negative Points*</u>
Fewer than 56 semester hours	12
56 but fewer than 86 semester hours	8
86 or more semester hours	4

*Negative points are the number of grade points below the number which would be required for a "C" average. For example, a student with 50 calculated hours must have 100 grade points for a "C" average. If he or she has only 87 grade points, he has 13 negative points. Negative points may be calculated by assigning two positive points to each hour of A, one positive to each of B, none of C grades, one negative point for each hour of D, and two negative for each of E. Total positive and negative points are added and the difference between the two totals with a negative result would be the negative points.

Students on Scholastic Probation who earn below a "C" (2.0) average for a semester or summer session will be placed on a status of Scholastic Suspension. Students on Scholastic Probation who earn a "C" average or above for the next semester or summer session will be allowed to continue in attendance on Scholastic Probation until their averages are raised to the point where they have fewer than the allowable negative points listed above.

Transfer students admitted on Scholastic Probation will remain in that status until they have earned a minimum of 12 semester hours of credit with at least a "C" average at Southern Illinois University at Carbondale. If they earn below a "C" for any session while on Scholastic Probation, they will be placed on Scholastic Suspension.

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.

While on Scholastic Probation a student is subject to certain conditions that do not prevail when he or she is in Good Standing. These are as follows:

He or she may not enroll for more than 14 hours per semester unless approved to do so by the dean of his or her academic unit.

Other limitations may be established by the appropriate officials of the University or by the academic unit within which the student is enrolled.

BASIC GRADUATION REQUIREMENTS

All students are expected to complete the following basic requirements for the bachelor's degree from Southern Illinois University at Carbondale.

1. A minimum of 120 semester hours of credit in approved courses.
2. The last 30 semester hours must be earned in residence at SIU, if a student has transferred from another school.
3. An overall "C" average and at least a "C" average in the major. The average requirements apply to work taken at Southern Illinois University. The University does not carry the transfer grade point average.
4. Completion of general studies requirements, upper division unit requirements, and the requirements of the student's major and minor concentration.

The following two special regulations apply to students who transfer from two-year institutions:

1. The credit accepted from accredited two-year institutions is limited only by the provision that 60 semester hours must be taken at Southern Illinois University or at any other approved four-year institution, except that the residence requirement must be met.
2. An associate degree in a baccalaureate-oriented program from an accredited institution will be accepted as meeting all of the General Studies requirements of Southern Illinois University at Carbondale. The degree will not, however, waive specific academic unit or major and minor requirements which may be offered via General Studies courses.

UNIT OF CREDIT

Southern Illinois University at Carbondale converted from the quarter to early semester calendar effective fall 1974. 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 one-half quarter hours. One semester hour of credit represents the work done by a student in a lecture course attended fifty minutes per week for one semester and, in the case of laboratory and activity courses, the stated additional time.

CLASS STANDING

Southern Illinois University at Carbondale 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.

ACADEMIC LOAD

The normal academic load for students is 15-16 hours. The maximum is 18 hours, 21 with a Dean's approval.

The University considers 12 hours as the minimum number to constitute full-time attendance. This is the figure used for enrollment reporting purposes, by the Illinois State Scholarship Commission, and for Public Law 358 on the undergraduate level. Students attending school under some type of scholarship or assistance program that requires them to be enrolled as full-time students should check with the University office administering the program on this point. Further information on Public Law 358 is available at the Student Work and Financial Assistance Office.

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

INSTITUTIONAL COMPARISON OF GENERAL STUDIES COURSES*

college name

Catalog:

Notes:

Comments:

*As soon as time permits, the university will furnish your community college the information to be inserted in this section. This information will pertain only to your college and the Official Evaluation of Transferred Credits of students entering SIU from your college.

THE TRANSFER STUDENT AND GENERAL STUDIES. A transfer student with an associate degree in a baccalaureate oriented program from a regionally accredited institution will be accepted as meeting all of the general education (General Studies) requirements of Southern Illinois University at Carbondale. The degree will not, however, waive specific academic unit or major and minor requirements which may be offered via General Studies courses. A transfer student without this degree and who expects to graduate from Southern Illinois University at Carbondale must meet the General Studies requirements. These requirements need not be completed prior to transfer but must be fulfilled to meet the general graduation requirements.

General Studies Requirements

The General Studies Curriculum for the baccalaureate degree is divided into five major areas; the requirements in each area are listed below.

Area A Man's Physical Environment and Biological Inheritance	9
Area B Man's Social Inheritance and Social Responsibilities	9
Area C Man's Insights and Appreciations	9
Additional course work from Areas A, B, and/or C	3
Area D Organization and Communication of Ideas	11
Area E Human Health and Well Being	4

Total	45
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Students must complete a total of 30 semester hours in Areas A, B, and C. Within each Area they must complete a minimum of 9 semester hours, and they must include course work from at least 3 different disciplines in each Area. The remaining 3 semester hours may include coursework from any one of Areas A, B, or C, or from any combination of these three Areas.

Within Area D, the following are required: 5 semester hours of English composition; 4 semester hours of mathematics; and 2 semester hours of speech or other oral communication as offered in Area D. Some programs and upper division academic units have specific requirements for demonstration of competence in English composition. A student may determine which programs or units have this requirement by referring to college and school requirements listed in Chapter 4 of the University Catalog.

In Area E, the courses taken must include more than one activity or subject. Prospective teachers should also check the section in the University Catalog titled Professional Education Experiences to determine if Health Education coursework should be included in their four hours of Area E requirements.

Area A: Man's Physical Environment and Biological Inheritance (GSA)

Area Requirements. A transfer student needs a total of no less than 9 semester hours of acceptable college level work in the area of science. A minimum of three specific departments must be completed within this specific 9 hour block.

Area A Elective Section. Courses which regularly count within this area are chemistry, physics, earth science, geology, botany, zoology, biological sciences, physical sciences, physical geography, a basic course in physiology, a basic course in astronomy, a general course in microbiology. (Technical physics may also be counted in this area).

(Courses mentioned below are not listed as equivalents but will satisfy course requirements.)

SIU at Carbondale

Course Hrs

101-3	Conceptual Insights into Modern Communications Systems: From Hi-Fi Sound to Laser Beams
106-3	Chemistry for Non-Science Majors
107-1	Chemistry Lab for Non-Science Majors
110-3	Earth Science
115-3	Biology
125-3	Systems Nature of Man's World
202-3	Space Science - Astronomy
208-1	Laboratory Experiences in Physiology
209-3	Principles of Physiology
211-3	Geology of National Parks
220-3	Survival of Man
221-3	Survival of Man
230-3	Energy and the Future
240-3	Ecology and Man
302-3	Psychobiology
303-3	Ferns, Trees, and Wildflowers
312-3	Conservation of Natural Resources
313-2	Evolution
314-2	Human Heredity
321-3	Fossils: Keys to Ancient Life and Environment
322-3	Earth's Mineral Resources
323-3	Introduction to Gems and Gem Material

324-3	Water: The Friend and Enemy of Man
330-3	Weather
356-3	Creativity in Science and Technology
361-3	Acoustics of Music

Area B: Man's Social Inheritance and Social Responsibilities (GSB)

Area Requirements. In the area of social studies a transfer student needs no less than 9 semester hours of acceptable work in a minimum of three specific departments.

Area B Elective Section. Courses which regularly count within this area are introductory courses in sociology, psychology, economics, government, political science, global or economic geography, anthropology, American, world, or European history.

(Courses mentioned below are not listed as equivalents but will satisfy requirements).

Course Hrs

103-3	Geography of Man's Environment
104-3	Man and His World: Anthropology
105-3	The Contemporary World
109-3	Introduction to Black America
111-3	Economic Development of Western Civilization
112-3	Comparative Economic Systems
125-3	Systems: Nature of Man's World
135-3	The Third World: The African Model
160-2	Mass Communications in Society
202-3	Introduction to Psychology
203-4	The Sociological Perspective
206-3	Applied Child Development
207-3	Contemporary Political Ideologies
211-3	Contemporary Economics
212-4	Introduction to American Government and Politics
220-3	Survival of Man
221-3	Survival of Man
231-2	The American Educational Systems
250-3	Introduction to Comparative Government and Politics
255-2	Regional Geography of the United States
270-3	Introduction to International Relations
299d-2	The High Price of Food
299e-3	Values, Systems and Society
300-3	Origins of Modern America, 1492-1877
301-3	Origins of Modern America from 1877 to the Present
305-3	Personal Finance
310-1	Current Events
321-3	Socialization of the Individual
325-3	Race and Minority Relations
330-3	Language and Behavior
341-3	Marriage as a Social Institution
346-3	Consumer Choice and Behavior
378-3	Introduction to American Foreign Policy

Area C: Man's Insights and Appreciations (GSC)

Area Requirements. A transfer student needs a total of no less than 9 semester hours of acceptable college level work in the area of humanities. A minimum of three specific departments must be completed within this specific 9 hour block.

Area C Elective System. Courses which regularly count within this area are in art and music appreciation, art and music history, survey courses in humanities, philosophy, oral interpretation of literature, survey literature courses such as poetry, fiction, modern literature, English and American literature.

Note: A student who has completed at least one full year of one foreign language can substitute a maximum of 4 semester hours counting as one discipline - foreign language toward the Area C requirement.

(Courses listed below are not listed as equivalents but will satisfy course requirements.)

SIU at Carbondale

Course Hrs

100-2	Music Understanding
101-3	Introduction to Art
102-3	Problems in Philosophy
104-3	Moral Decision
107-2	Man, Leisure, and Recreation
109-3	Introduction to Black America

200-3	Oral Interpretation of Literature
201-3	Introduction to Drama
202-3	Introduction to Poetry
203-3	Introduction to Theater
205-3	Innovation for the Contemporary Environment
206-3	Music as a Creative Experience
207-2	Aesthetics
208-3	Elementary Logic
210-3	Introduction to Fiction
212-3	Oriental Humanities
214-3	Oriental Philosophies
216-3	Types of Eastern Religion
218-3	The Epic of Humanity
221-3	Survival of Man
231-3	Greek Civilization
232-3	Roman Civilization
299e-3	Values, Systems and Society
317-3	Recent American Literature
325-3	Black American Writers
330-3	Classical Mythology
335-3	The Short Story
349-3	The Cinema
363-3	Philosophy of Science
365-3	Shakespeare
371-2	Evolution of Jazz
390-3	Contemporary American Thought
393-3-6	Studies in Literature

Area D: Organization and Communication of Ideas (GSD)

Area Requirements. A transfer student needs a total of no less than 11 semester hours of acceptable college level work in the area of communications. Within Area D, the following are required: 5 semester hours of English composition; 4 semester hours of mathematics; and 2 semester hours of speech or other oral communication as offered in Area D. Some programs and upper division units have specific requirements for demonstration of competence in English composition. Students should consult the University Catalog to determine Area D requirements of the various schools and colleges at SIU.

(Courses mentioned below are not listed as equivalents but will satisfy course requirements.)

Course Hrs

101-3	English Composition
104-2	Grammar in Language
106-0	Elementary Algebra
107-4	Intermediate Algebra
110-2	Economic and Business Statistics
112-2	Basic Concepts of Statistics
113-2	Introduction to Mathematics
117-2	Expository Writing
118-2	Technical Report Writing
119-2	Creative Writing
120-3	Freshman Honors Composition
152-2	Interpersonal Communications
153-3	Public Communication
199a-1	Library as an Information Source

Area E: Human Health and Well-Being (GSE)

Area Requirements. A transfer student needs a total of no less than 4 semester hours of acceptable college level work in Health and/or Physical Education. A student may select any four hours, however, prospective teachers should consult College of Education requirements to determine if Health Education coursework must be included in the four hour Area E requirement.

Course Hrs

100-1 to 4	Restricted Physical Education
*101-1 to 14	Aquatics
102-1 to 10	Physical Fitness
*103-1 to 16	Dance
*104-1 to 34	Individual and Dual Activities
105-1 to 12	Team Activities
106-1 to 6	Martial Arts
*114-1 to 4	Intermediate Individual and Dual Activities
201-2	Healthful Living
236-2	Nutritional Ecology of Man
240-2	Human Relations Between the Sexes

*Consult University Catalog p. 82 to determine various activities.

Special Note: Veterans may qualify for Area E credit for their military experience. See section on Evaluation of Credit.

Miscellaneous

The preceding General Studies requirements are not applicable to community college transfer students who have received an associate degree within a baccalaureate oriented program. This degree will automatically satisfy all general education requirements, but will not necessarily satisfy departmental prerequisite lower division courses required of the student's major area.

Students may satisfy some General Studies requirements by making certain approved substitutions of departmental courses for specified General Studies courses.

Any student who feels qualified to take a proficiency examination is eligible to apply. Credit is given to students passing proficiency exams. Credit by proficiency cannot exceed 30 semester hours. Application for proficiency exam should be initiated at the appropriate department.

Proficiency credit granted by other regionally accredited institutions will be recognized. Special regulations apply to proficiency credit earned through the College Level Examination Program (CLEP). See section on Evaluation of Transferred Credit.

List of Approved Substitutions

The departmental courses which have been approved as substitutions for General Studies courses are listed below. In no case does the departmental course substitute for more credit hours than the credit hours allowed in the comparable General Studies course. Community colleges who have comparable courses are encouraged to submit course descriptions for departmental approval.

General Studies Course	Approved Substitutes
GSA 101-3	One of: Physics 203, 204, 205, 253, 254, 255, or 3 semester hours of technical physics. (The substitution of Physics 253, 254, or 255 is limited to one semester hour.)
GSA 106-3 and 107-1	One of: Chemistry 115, 140, 222, 224, 225 or 4 semester hours of technical chemistry
GSA 110-3	Geology 220
GSA 115-3	One of: Biology 306, 308, 309; Botany 200; Zoology 118
GSA 208-1 and 209-3	Phsl 210, Anl 331, or military credit for physiology
GSA 240-3	Biology 307
GSA 314-2	Biology 305
GSA unassigned-1 to 12	One to 12 semester hours from President's Scholars 251a and/or 351a
GSB 103-3	Geography 300
GSB 211-3	One of: Agriculture Industries 204; Economics 214, 215
GSB unassigned-1 to 12	One to 12 semester hours from President's Scholars 251b and/or 351b
GSC 100-2	Music 101 or 102 or two hours of 013, 014, 017, 020, 021, or 022
GSC 101-3	Art 100
GSC 204-3	Art 207
GSC 206-3	Music 105a
GSC Foreign Language-4	Foreign Language
(Note: A student may substitute on an hour-for-hour basis to a maximum of 4 hours, provided the student has taken GSC courses totaling 5 hours in two other disciplines. Any additional hours of foreign language may be counted toward the 3 hours of additional course work required in areas A/B/C.)	
GSC unassigned-1 to 12	One to 12 semester hours from President's Scholars 251c and/or 351c
GSD 101-3	Linguistics 101
GSD 107-4	One of: Mathematics 110, 111, 116, 117, 139, 140, 150, 151, 159, 250, 259, 282, or 4 semester hours of technical mathematics
GSD 117-2	Linguistics 102
GSD 118-2	One of: Administrative Sciences 302, Linguistics 103, or 2 semester hours of technical writing
GSE 101-114-4	Four semester hours from: Physical Education 115, 116, 117, 118, 119, 120, 170
GSE unassigned-1 to 4	One to 4 semester hours from President's Scholars 251e and/or 351e

A maximum of 15 semester hours of comparable technical coursework can be substituted for General Studies requirements. Some of these substitutions are listed above; others may be possible on individual request to the Dean of General Academic Programs.

Evaluation of Transfer Credit

After a transfer student has been admitted, transfer work is evaluated in the Records Division of the Office of Admissions and Records. This evaluation covers the student's extent of satisfaction of general degree and General Studies (general education) requirements. This evaluation of transfer credit provides other information such as total hours accepted, entry status, and the like. Copies of this evaluation are mailed to the student and to the academic advisement center of the academic unit he/she will be entering. The evaluation of transfer credit may not always be available for the first advisement appointment, or it may be an incomplete evaluation if the student was initially admitted on a partial transcript while in attendance elsewhere. In this case, the student should be aware of his or her completed work. Transferred courses which are not General Studies courses are evaluated by the department or agency directing the specific curriculum and are not reflected on the evaluation prepared by the Records Division.

Transcripts and Test Scores

All students who have taken college level work at other institutions must have official transcripts of all work forwarded to the admissions office. An official transcript from each college or university attended must be submitted. Failure to comply with this ruling, failure to indicate all institutions attended, or incorrect information regarding status at the other institutions can result in withdrawing an admission or dismissal for the student.

Students who might qualify for advance standing must have both their ACT profile and their high school transcripts available in the General Academic Programs office. It is the student's responsibility to see that these items are submitted. Official scores of the General Examination of the College Level Examination Program (CLEP) must also be submitted for evaluation. An evaluation of CLEP will not be made from entries on another transcript. Also, credit possibilities based upon formal service-school training programs, USAFI courses, and military experience will be evaluated upon submitting required papers.

Transfer students may be admitted and their work tentatively evaluated on the basis of a partial or incomplete transcript. If the final and complete transcript is not submitted, the student will not be allowed to register for a second semester of attendance. It should be noted that it is the student's responsibility to request transcripts be sent to the Admissions Office.

NOTE: If the evaluation appears to be in error, the student and/or his or her advisor should contact the Office of Admissions and Records.

Status of Institution

The annual publications entitled, Report of Credit Given by Educational Institutions published by the AACRAO or Accredited Institutions of Higher Education published by ACE, are used for guidance relative to the status of institutions for credit acceptance purposes.

Regionally Accredited

If regionally accredited, credit is accepted unconditionally.

If an Illinois two-year institution with Class I status, credit is accepted unconditionally.

For students who transfer from non-baccalaureate programs in regionally accredited institutions, special regulations apply in terms of how credit will be accepted and evaluated.

Technical work in human resources, business and administration, agriculture, liberal arts, vocational education studies, engineering and technology, and the bachelor's degree program in the School of Technical Careers will be evaluated by the Office of Admissions and Records according to guidelines furnished by the academic units. In general, full credit (up to a maximum of 60 semester hours) will be accepted to count toward the hours required for the bachelor's degree. The School of Agriculture will accept only one-half of the technical credit towards the baccalaureate degree unless the student has obtained an associate degree and is admitted through the University's Capstone Program.

Course work in technical areas other than those listed above will be submitted to the dean's office for evaluation.

Transfer students admitted to associate degree programs in the School of Technical Careers will have the applicability of transfer credit toward associate degree requirements evaluated by the program supervisor.

Transfer credit for associate degree programs in the Bachelor of Science degree program in Technical Careers is evaluated by the departmental chairman and Dean of Technical Careers.

Students who have received an associate degree in a baccalaureate oriented program from a regionally accredited two-year institution will have satisfied all General Studies (general education) requirements for the baccalaureate degree and will be granted junior standing. Students will not have necessarily met lower division departmental required prerequisite courses for their academic unit. Students transferring with less than the baccalaureate oriented associate degree will have to fulfill the University's general education requirements prior to graduation. (See section -- General Studies and the Transfer Student).

Credit accepted from a regionally accredited two-year institution is limited only by the policy that states this student must earn the last 60 semester hours from a regionally accredited four-year institution or at Southern Illinois University. Also this student must meet residency requirements. Students presenting an excessive number of hours under this ruling will not necessarily have to repeat courses but might be required to take additional hours as electives to meet general graduation requirements.

Non-Regionally Accredited

For students who transfer from non-baccalaureate programs in non-regionally accredited institutions, special regulations also apply.

Occupational work taken from a non-regionally accredited institution presented by a student with an associate degree or equivalent and with a "C" average will be evaluated as stated previously.

There is no provision for the granting of credit, except via proficiency examinations or by individual review by the academic unit the student enters, for students coming from a non-regionally accredited institution without the associate degree or equivalent or with less than a "C" average.

All accepted occupational and technical credit will be examined by the department of the student's intended major to determine its applicability toward meeting degree requirements.

Foreign Schools

All work completed at foreign schools must be evaluated through the Admissions Office. Work is evaluated course by course. Courses must be considered equivalent in content to courses at SIU before credit can be granted. Non-equivalent credit will be evaluated by the department under question to determine its acceptability. Students who are transferring work from universities outside the U.S.A. are advised to bring with them official and detailed descriptions of those courses.

Undergraduate applicants must submit official transcripts of records from all secondary or middle schools and all universities, colleges, or professional schools attended. Secondary school records are not required from those who have earned a bachelor's degree or the equivalent thereof and are applying to the graduate school. Records must list subjects taken each year, along with the grades or marks received. Each transcript must include a complete list of all courses taken at that institution, the number of weeks and the number of hours per week in lecture and laboratory for each subject, and the grade received. There should be included a description of the grading system of each institution attended and, if possible, a statement of the student's scholastic rank in his or her graduating class.

Extension, Correspondence, Pass/Fail, Advance Standing, Proficiency

Work taken by extension or correspondence at accredited institutions is accepted unconditionally toward the baccalaureate degree. No more than 30 hours may be in correspondence work. Correspondence work must carry a "C" or better.

"D" Work

Hours of "D" will be accepted under the same conditions as all other credits.

Military Experience

Credit for military experience may be granted as follows:

Service of one year or more and honorable discharge allows six semester hours including 2 in physical education, 2 in health education, and 2 in aerospace studies.

Service of six months to a year allows 2 hours in aerospace studies only.

Service of less than six months allows no credit.

Additional credit for special courses taken in service schools is sometimes possible.

If a veteran takes college course work in these areas or has previously completed work in any of the forementioned areas, his or her credit for military experience is reduced accordingly.

Class Standing

Class standing is determined by the number of semester hours completed as follows: freshman, less than 26; sophomore, 26 through 55; junior, 56 through 85; and senior, 86 or more.

Preparatory or Developmental Courses

Grades and credit for preparatory or developmental courses will not be used for evaluation purposes.

Repeating Courses and the G.P.A.

For both admission and evaluation purposes grades earned in repeated course work will be averaged.

The University does not calculate an entering transfer grade point average; rather, a transfer's GPA is based solely on work taken at this University.

INSTRUCTIONAL UNITS/PROGRAMS

Preprofessional Programs
General Academic Programs
Aerospace Studies
School of Agriculture
College of Business and Administration
College of Education
School of Engineering and Technology
College of Communications and Fine Arts
College of Liberal Arts
College of Science
College of Human Resources
School of Law
School of Medicine
Recommended Programs
School of Technical Careers

PREPROFESSIONAL PROGRAMS

A program of study called preprofessional does not lead to a degree at SIU-C. Preprofessional students who will be on campus longer than two years should enroll as double majors and enter the college which grants a degree in the second major. Students without an additional major will be enrolled in the College of Liberal Arts (prelaw and pretheology majors), General Academic Programs (nursing majors), or College of Science (other health career majors). Preprofessional programs are available in the following areas:

Dentistry (3 or 4 years)	Optometry (2 to 4 years)
Law (3 or 4 years)	Pharmacy (1 or 2 years)
Medical Technology (2 or 3 Years)	Podiatry (2 to 4 years)*
Medicine (including Osteopathic) (3 or 4 years)	Theology (2 to 4 years)
Nursing (2 years)	Veterinary Medicine (3 or 4 years)

In addition to these preprofessional programs, the University offers professional curricula in dentistry (Edwardsville), engineering, law, medicine, and nursing (Edwardsville).

Preprofessional students may, subject to certain conditions, obtain a bachelor's degree after three years of work (90 semester hours) at SIU-C plus one or more years of work in a professional school. During the three years at SIU-C, the students must complete all requirements (other than elective hours) for the particular bachelor's degrees they are seeking.

In some cases students may complete requirements for a major at the professional school, but this is permitted only upon the prior approval of the appropriate divisional head. Also, there needs to be completion of at least one year of professional work with acceptable grades in an accredited dental, law, medical, osteopathic medical, or veterinary school, or medical technology training laboratory.

In all cases, SIU-C graduation requirements must be met. Students must make the decision to seek a bachelor's degree before entering the professional school so that questions can be clarified early.

Students should be aware that the Career Planning and Placement Center schedules aptitude and/or admission tests for some professions; preregistration is necessary for these tests.

*Recommended program not listed.

GENERAL ACADEMIC PROGRAMS

General Studies

The general education requirements are satisfied through the General Studies program.

The student is required to have a total of 45 hours in the five areas of General Studies. There is considerable flexibility in the program and the transfer student should have little difficulty in meeting the General Studies requirements.

A student who graduates with an associate degree in a baccalaureate-oriented program from a Class I Illinois two-year institution, or one regionally accredited, is considered to have met the General Studies requirements.

Pre-Major Advisement Center

Pre-Major Advisement is the academic home for all students who wish to explore one, two, or several major fields before choosing their career goals. The Pre-Major Advisement Center provides each student with an experienced academic adviser who knows the requirements for all major programs and who will offer assistance in selecting an appropriate course of study.

President's Scholar Program

The President's Scholar Program is designed to enable academically talented students to profit from an association with each other; to achieve maximum flexibility within the framework of the general University curriculum; and to take fullest advantage of the talents and resources in the University. The President's Degree Program, an option available to students interested in pursuing interdisciplinary studies, is also important for maximizing curricular flexibility.

Inquiries about the program should be addressed to the director, Special Programs, General Academic Programs.

Special Major

Individual students with academic needs not met in any of the existing majors within the University may arrange a program of courses more suited to their special requirements.

University Studies Program

The University Studies Program provides the student with another option for earning a baccalaureate degree. The program is intended for the student who wants a broad, general education and does not wish to specialize on the undergraduate level. In fact, the program was proposed to serve the many students who express the desire to receive a degree, but whose interests are so varied as to preclude a major in a traditional discipline. The student who is approved to pursue a degree in University Studies can outline his or her own curriculum with few restrictions.

Students may work toward either a Bachelor of Arts or Bachelor of Science degree in University Studies.

Students interested in the University Studies degree program should consult with the director of Special Programs, General Academic Programs for more information prior to entrance into the program.

Center for Basic Skills

The Center for Basic Skills is designed to enhance the success factor for students deficient in basic skills but who demonstrate the potential for college work and to offer services to students interested in improving their reading, writing and/or mathematics skills. The Center offers courses in the basic skill areas of reading, writing, and mathematics. It also offers individualized instruction and tutoring in these areas. Diagnostic testing is available to assist students in analyzing their basic skills competency. Interested students should direct their inquiries to the Director of the Center for Basic Skills.

Special Supportive Services

Fredrick Hamilton, Director

This program is designed for students with academic potential who are from indigent, culturally and economically disadvantaged backgrounds and provides an academic support system that will maximize their success. The identification process focuses on modified admissions criteria that emphasize motivation and requires a personal interview to be admitted. The specialized services offered through this program include but are not limited to providing: (1) personal and career counseling and guidance; (2) curricular and instructional methods in special classes that will enable the participants to complete required and prerequisite courses in a reasonable period of time; (3) a comprehensive tutorial program that will afford program participants an opportunity to compete with sufficient skills at Southern Illinois University at Carbondale; and (4) other special services that are consistent with the goal of recruiting, retaining, and graduating the target population.

Eligible participants must be citizens of the United States and conform economically to federal low-income standards unless they are physically handicapped or speak limited English.

AEROSPACE STUDIES (AFROTC)

Aerospace Studies (AFROTC) is a voluntary course sequence leading to a commission as an officer in the United States Air Force. When commissioned, all officers must have at least a baccalaureate degree; hence completion of the program is contingent upon maintaining satisfactory progress toward graduation. Enrollment in the first two years (general military course) is unrestricted and no military obligation is incurred.

Acceptance into the last two years (professional officer course-300 level) is competitive and requires qualification on the Air Force Officer Qualifying Test and a physical examination. Qualified students may enter directly at the 300 level without completing the general military course, but must apply during the Spring semester. All academic majors are acceptable but Engineering, Mathematics, Chemistry, Computer Science and Physics majors are preferred. Graduate students who have two years remaining at the University are eligible. Students in the professional officer course do incur a military obligation. Non-flying and flying positions are available for both women and men. They are paid a monthly tax-free subsistence allowance. Numerous scholarship programs are available.

SCHOOL OF AGRICULTURE

Majors in the School of Agriculture at SIU-C have a new look! Traditionally agriculture majors were almost exclusively farm-reared boys, but the current agricultural student body is not limited to persons from farms nor to men. Urban youth who are concerned about ecology, about improving the environment, about increasingly imminent world-wide food short-age also find relevance and meaningfulness in curricula in agriculture and forestry. Also, women, from both rural and urban backgrounds, are joining the agriculture and forestry student ranks in rapidly increasing numbers, being 67% more numerous in the current year than they were just one year ago. Women and other minority-group graduates enjoy very favorable employment opportunities in agriculture.

The curricula of the four departments of the School of Agriculture which are presented on the following pages provide opportunity for students with a wide range of interests and abilities in various combinations of the physical, biological, and social sciences to learn to apply these basic sciences in helping to solve food, fiber, environmental and ecological problems--whether these problems are found in the local community, state or nation or in an international or global context. Persons trained in agriculture are needed and they can serve mankind as they satisfy themselves. The spectrum of career opportunities for agriculture graduates ranges from the rural producer, through the many processing and distributing occupations to those who provide services to the agricultural industry.

FACILITIES: The offices, classrooms and laboratories of the School of Agriculture are located in the Agriculture Building. Additional SIU-owned facilities which are devoted to teaching and research in the School of Agriculture include nearly 2000 acres of farm and timber land, 15,575 square feet of greenhouse space, and a special center devoted to each of six species of livestock.

ACCREDITATION: North Central Association of Colleges and Secondary Schools.

DEGREE OFFERED: Bachelor of Science.

MEMBERSHIP: National Association of State Universities and Land-Grant Colleges.

GRADUATE PROGRAMS: The School of Agriculture has programs leading toward the Master of Science degree. Many of the programs are mentioned in this section, but there are additional options, available only at the graduate level. For more information consult with School of Agriculture, the Graduate School, or the Graduate Catalog.

ORGANIZATIONS: Scholastic and Professional Honoraries; Alpha Zeta (agriculture), Pi Alpha Xi (floriculture and ornamental horticulture) and Xi Sigma Pi (forestry). Special Interests; Alpha Gamma Rho Chapter. Departmental; Agriculture Economics Club, Agriculture Industries Graduate Student Club, Agriculture Student Advisory Council, Block and Bridle Club, Forestry Club, Plant and Soil Science Club, Society of American Foresters Student Club, Dairy, Horticulture, Livestock, Poultry, and Soil Judging Teams, and Collegiate FFA.

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 SIU in lieu of equivalent courses. Also approximately one-half of the credit for occupational and technical courses may be accepted to apply as free electives or agricultural electives. For transfer students wishing to pursue a concentration in one of the agricultural or forestry areas, courses prior to entering SIU should include physical and biological sciences, social sciences, and humanities. In addition, a course in speech and appropriate sequences in English composition and college algebra should be included. All majors within the School of Agriculture must have work in: Mathematics; botany or zoology or biology; chemistry; economics; and speech.

Graduates of occupational oriented programs should inquire into the possibilities of entering the School of Agriculture under the Capstone Project. This special program is explained in another section of this handbook.

FOR FURTHER INFORMATION:

Chief Academic Advisor
School of Agriculture
Phone 618-453-2469

Chairman of (state major)
School of Agriculture

Admissions Office
Woody Hall
Phone 618-453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

COLLEGE OF BUSINESS AND ADMINISTRATION

The College of Business & Administration, located in the General Classroom Building, aims to prepare students to perform successfully in business and other organizations functioning within a changing social, economic, and political environment. Study provides the student with fundamental principles and practices of organizational behavior and allows the mastering of knowledge and skills for effective management. The curriculum provides a broad base for understanding business while simultaneously allowing in-depth study within an area of concentration. Students find that the professional education they receive in the college is desired by business, governmental units, and other public institutions. The advanced curriculum, computer terminals, and intern programs provide students not only with a meaningful education but with a means of relating that education to organizations and commerce.

ACCREDITATION: American Assembly of Collegiate Schools of Business (AACBS), and North Central Association of Colleges and Secondary Schools.

DEGREE OFFERED: Bachelor of Science.

Accounting	Marketing
Administrative Science	General Marketing Administration
Management Systems	International Marketing
Organizational Behavior	Industrial Marketing
Personnel Management	Sales Administration
Production - Operations Management	Promotional Administration
Business and Administration	Physical Distribution
Business Economics	Retail Administration
Finance	
Financial Management	
Financial Institutions	

GRADUATE PROGRAM: The College of Business & Administration offers the Master of Business Administration (M.B.A.) degree.

ORGANIZATIONS: Scholastic and Professional Honoraries: Alpha Kappa Psi (Business), Beta Alpha Psi (Accounting), Beta Gamma Sigma (Business), Phi Gamma Nu (Business), Pi Sigma Epsilon (Marketing), and the Society for Advancement of Management (SAM) and American Marketing Association (AMA).

Departmental: Concerned Professional Accountants, American Marketing Association, College of Business & Administration Student Council.

SPECIAL MAJOR: A student who feels that his or her special interests and/or needs cannot be met by any of the existing College of Business & Administration or University majors may participate in designing his or her own program under the Special Concentration major. The student's program, which must be approved by the Dean of the College of Business & Administration and the President's Office, should be coherent and unified and must have as a sponsor a member of the teaching faculty of the College of Business & Administration. Approval of such a program does not exempt a student from University requirements. Forty to sixty percent of the course work must be devoted to courses with a College of Business & Administration prefix; the remainder, to courses carrying non-business-prefixes.

For further information, contact the Assistant Dean, Undergraduate Programs, College of Business & Administration.

TRANSFER STUDENTS: The College of Business & Administration 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
Cost accounting	3.0
Economic principles	6.0
Business/economic statistics	3.0
(where college algebra is a prerequisite)	
Basic computer course	3.0

Additionally, up to 6.0 semester hours of business law completed at the lower division level are acceptable in satisfaction of department requirements, in those programs where these courses are required. Nothing in this statement abridges a student's right to satisfy graduation requirements by proficiency examination.

¹Computer coursework completed at other universities and colleges will be accepted as transfer credit for the College of Business and Administration core computer requirement if that course is designed to teach one and only one of the following languages: Fortran, Basic, Cobol, RPG, PLI, and Algol; courses that survey numerous languages are not acceptable. Further, coursework with emphasis on unit record or data processing equipment will not be considered equivalent to the college's computing requirement. Acceptable coursework should have a one-language base and present the student with advanced programming concepts, e.g., loops, arrays, etc.

COLLEGE OF EDUCATION

Preparation of teachers of all subjects taught in the public schools from pre-school through high school is the special function of the College of Education. In its graduate offerings, however, it broadens its efforts to include professional work for prospective college teachers and several specializations in school administration and supervision.

The College of Education, housed in the Wham Education Building, is the oldest unit of the University, which was originally chartered as Southern Illinois Normal University.

TEACHER EDUCATION PROGRAM APPROVAL: Each of the Specializations in teacher education noted in this Counselor's Advisement Catalog has continuing approval from the Illinois State Teacher Certification Board.

ACCREDITATION: North Central Association of Colleges and Secondary Schools, the National Council for Accreditation of Teacher Education, and the United States Office of Education.

DEGREES OFFERED: Bachelor of Science, Bachelor of Music Education.

GRADUATE PROGRAMS: Students can continue on the graduate level of the above programs and in some areas not listed. For more specific information a student should consult with the College of Education and the Graduate School, and read the Graduate Catalog.

ORGANIZATIONS: Scholastic and Professional Honoraries: Kappa Delta Pi, Phi Delta Kappa, and Pi Lambda Theta. Departmental: Association of Childhood Education, Council for Exceptional Children, Men's P. E. majors, Recreation Club, Student Education Association, Women in Education, Women's Professional P. E., and Women's Recreation Association.

TRANSFER STUDENTS: Students preparing to teach should become aware of all the specific requirements and prerequisites involved in teacher certification. Also admission to the University or to an academic unit does not admit a student to the formal Teacher Education Program (see Transfer Admissions-Eligibility).

Students wanting to transfer occupational credit into the College of Education should consult the department to determine possible applicability of this credit toward meeting degree requirements.

FOR FURTHER INFORMATION:

Coordinator of Teacher Education Services
College of Education
Phone 618-536-2329

Admissions Office
Woody Hall
Phone 618-453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

SECONDARY EDUCATION

Students who elect to pursue a Bachelor of Science degree in the College of Education, for purposes of preparing to teach in junior or senior high schools, should select academic majors and minors from the areas included in the listing below. Included in the column headed Major are those areas for which Southern Illinois University at Carbondale has approval from the State of Illinois Office of Education and from the State Teacher Certification Board.

<u>Teaching Area</u>	<u>Major</u>	<u>Minor</u> ²
Agricultural Education	X	
Art	X	
Biological Sciences	X	X
Black American Studies		X
Botany ¹	X	X
Business Teacher Education	X	X
Chemistry	X	X
Earth Science		X
Economics	X	X
Educational Media		X
English	X	X
Foreign Languages	X	X
Geography	X	X
Health Education ³	X	
History	X	X
Home Economics Education	X	
Journalism	X	X
Language Arts and Social Studies	X	
Mathematics	X	X
Microbiology		X
Music	X	X
Occupational Education	X	
Philosophy		X
Physical Education	X	X
Physics	X	X
Physiology		X
Political Science	X	X
Psychology		X
Social Studies	X	
Sociology		X
Speech Communication	X	X
Theater		X
Zoology	X	X

¹A student with a major in botany or zoology should have a minor in the other in order to meet certification standards for teaching biology at the high school level.

²All minors used for certification purposes must include a minimum of 18 semester hours.

³Driver Education is offered for certification purposes in the Department of Health Education.

Coordinator of Teacher Education Services
 Telephone - 618-536-2329
 Location - Wham Building, Room 108

SCHOOL OF ENGINEERING AND TECHNOLOGY

The curricula in the School of Engineering and Technology are designed to provide instruction and to stimulate research in a broad portion of the technology spectrum. Attention is given to theories and their applications, and to creative and practical aspects, in varying degrees, commensurate with the objectives of the particular program.

Offices and most facilities of the School of Engineering and Technology are centered in the engineering and technology complex by the Lake-on-the-Campus.

ACCREDITATION: North Central Association of Colleges and Secondary Schools, Engineers' Council for Professional Development (ECPD) (Engineering), Engineers' Council for Professional Development (ECPD) (Engineering Technology), National Association of Industrial Technology (Industrial Technology).

DEGREES OFFERED: Bachelor of Science - Engineering
Bachelor of Science - Engineering Technology
Bachelor of Science - Industrial Technology

GRADUATE PROGRAMS: Master's degree work is available in a number of specialties in engineering. For specific information concerning advanced degree work a student should consult the School of Engineering and Technology, the Graduate School and the Graduate Catalog.

ORGANIZATIONS: Organizations in which students in the School of Engineering and Technology may participate include the Engineering Club (a student chapter of the Illinois Society of Professional Engineers), and the Society of Manufacturing Engineering (a student chapter of S.M.E.). Engineering students with high scholastic achievement may be recognized through invitation for membership to the SIU chapter of Tau Beta Pi, a national engineering honor society.

TRANSFER STUDENTS: Students should note that the minimum mathematics requirement for baccalaureate degrees in the School of Engineering and Technology will vary, depending upon 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 with the 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 School of Engineering and Technology under the Capstone Project. Requirements of this special program are mentioned in another section of this handbook.

FOR FURTHER INFORMATION:

Dean
School of Engineering and Technology
Phone 618-453-4321

Admissions Office
Woody Hall
Phone 618-453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

COLLEGE OF COMMUNICATIONS AND FINE ARTS

The College of Communication and Fine Arts offers the following majors leading to the Bachelor of Science degree:

Journalism
Cinema and Photography
Radio and Television

Speech Communications
Speech Pathology and Audiology
Theater

The Bachelor of Arts degree is offered for a major in the School of Art. The Bachelor of Music degree is offered for a major in the School of Music.

In the communications fields listed above a "C" average in GSD 101 English composition or an approved equivalent is required.

Students interested in studio or studio crafts concentration in the School of Art should consult the Chief Academic Advisor for the School of Art for eligibility requirements for those specializations.

COLLEGE OF LIBERAL ARTS

The College of Liberal Arts offers the following majors leading to the Bachelor of Arts and Bachelor of Science degrees. Minors are possible in most of these areas. For exceptions, see next chapter.

African Studies ¹	Classical Studies	Mathematics
Anthropology	East Asian Civilizations ¹	Music
Asian Studies ¹	French	Philosophy
Comparative Literature ¹	German	Political Science
Computer Science	Japanese ¹	Psychology
Earth Science ¹	Latin ¹	Religious Studies
Economics	Russian	Sociology
English	Spanish	Speech ²
Foreign Languages and Literatures	Geography	Uncommon Languages ¹
Chinese ¹	History	
Greek	Latin-American Studies	
	Linguistics	

¹Minor Only.

²Liberal Arts major, not professional major.

College Requirements Effective Summer, 1976

Students beginning college anywhere Summer 1976 must satisfy the following requirements:

1. University requirements including those relating to General Studies, residency, total hours, and grade point average.
2. Successful completion of requirements in an approved major in the College of Liberal Arts.
3. At least 40 hours of course work at the 300- or 400-level.
4. In addition to General Studies requirements in English and mathematics, students must complete two courses, or a minimum of six semester hours, in a basic communication skill in either the mathematical sciences (mathematics, statistics, computer science), a foreign language, or English composition. General Studies courses may be used to satisfy this requirement only with the prior approval of the dean. Courses taught in the department of the student's major field of study may not be used to satisfy this requirement.

College Requirements Effective Fall, 1978

Students beginning college anywhere Fall 1978 must satisfy the following requirements:

1. University requirements including those relating to General Studies, residency, total hours, and grade point average.
2. Successful completion of requirements in an approved major in the College of Liberal Arts.
3. At least 40 hours of course work at the 300- or 400- level.
4. The Liberal Arts student must complete one year or not less than six semester hours of a foreign language. In addition to General Studies requirements, he must complete one course in either mathematics or computer science and one course in English composition. General Studies courses may be used to satisfy the latter requirement only with prior approval of the dean.

Students should consult with an advisor at an early stage in their college career regarding any problems related to these requirements. Similarly, those planning to attend schools of law, health-related or other fields must plan their curriculum carefully and choose courses of depth and rigor. They should be in close contact with their academic and departmental advisors.

COLLEGE OF SCIENCE

The College of Science offers majors, and in most cases minors, leading to the Bachelor of Arts and Bachelor of Science degrees in the following fields of study:

Biological Sciences	Mathematics
Botany	Microbiology
Chemistry	Physics
Engineering Biophysics	Physiology
Geology	Zoology

A minor in Earth Sciences is also offered.

Pre-professional programs are also offered in the following areas:

Dentistry	Osteopathy
Medical Technology	Pharmacy
Medicine	Veterinary Medicine
Optometry	

Academic Requirements:

None of these general academic requirements may be satisfied by taking the required courses on a Pass/Fail grading basis.

BIOLOGICAL SCIENCES: Six semester hours in courses offered by the biological sciences departments in the College with the proviso that this requirement cannot be satisfied in whole or in part by General Studies courses, but may be substituted for the latter in meeting the General Studies requirements.

FOREIGN LANGUAGE: The foreign language requirement can be met by one of the following: (a) passing an 8-hour, 100-level sequence in one language; (b) earning 8 hours of 100-level credit in one language by proficiency examination; or (c) completing three years of one language in high school with no grade lower than C.

A student whose native language is not English may use the native language to satisfy part or all of the science foreign language requirement at Southern Illinois University at Carbondale. If the language is presently taught at SIU-C, no credit is given, but partial or full satisfaction of the science foreign language requirement may be granted if the student's major department so recommends. A student whose native language is English but who has learned another language not taught at SIU-C may qualify without credit for partial or full satisfaction of the science foreign language requirement under certain circumstances, including formal recommendation by the student's major department and availability of an examiner and examination materials within the Department of Foreign Languages and Literatures. For information, the student should consult the College of Science advisement center.

MATHEMATICS: The mathematics requirement can be met by (a) passing Mathematics 110a,b (3,2) or Mathematics III (5) or its equivalent or Mathematics 140 (4), or (b) completing three years of high school mathematics with no grade lower than C and achieving a score on the University's Mathematics Placement Test which allows the student to enroll directly into Mathematics 150 (4).

PHYSICAL SCIENCES: Six semester hours in courses offered by the physical science departments of the College, with the proviso that the requirement cannot be satisfied in whole or in part by General Studies courses, but may be substituted for the latter in meeting the General Studies requirements.

GENERAL REQUIREMENTS: At least 40 hours of the student's 120 hours for graduation must be at the 300 or 400 level. The total may include transfer credit for courses judged by the department involved to be equivalent to its upper division courses. For transfer students submitting only the last year in residence, at least 24 of these must be at the 300 or 400 level.

COLLEGE OF HUMAN RESOURCES

The College of Human Resources offers the following majors leading to the Bachelor of Science degree:

Administration of Justice	Food and Nutrition
Child and Family	Interior Design
Clothing and Textiles	Social Welfare
Family Economics and Management	

The College also offers a Design major leading to a Bachelor of Arts degree.

No specific unit requirements. Consult degree programs in catalog and handbook for specific degree requirements.

SCHOOL OF LAW

In response to the need for an additional legal education resource within the state, the Illinois Board of Higher Education's Master Plan Phase III, issued in May, 1971, recommended establishment of a law school with an enrollment of approximately 300 students at Carbondale. An appropriation for this purpose was passed by the Illinois legislature in June, 1972. The University promptly employed a dean, and the school admitted its first class in the fall of 1973.

The school offers a three-year program leading to the Juris Doctor (J.D.) degree. The school has received provisional accreditation from the Section on Legal Education of the American Bar Association during its first year of operation, so that all students enrolled will be eligible to take state bar examinations required for admission to the bar.

Two buildings have been remodeled to provide classroom, library, and office space for the School of Law pending completion of a permanent building. Other available facilities include an adequate law library collection and a broadly-based University with extensive lawrelated graduate divisions and other academic units.

The faculty and student body of the school are of the highest quality, and its curriculum is designed to inculcate fundamental legal concepts and skills which every lawyer must have and which are the hallmarks of the profession of the law. In addition to the Socratic-casebook method, other teaching methods, including clinical, are utilized as the subject matter requires. The School of Law catalog can be obtained by writing to University Graphics. Information on admission to the SIU Law School can be obtained by writing to:

Hiram Lesar, Dean
School of Law
Southern Illinois University
Carbondale, Illinois 62901

NOTE: Information on Undergraduate preparation necessary for schools of law listed under Pre-law in this text.

SCHOOL OF MEDICINE

Southern Illinois University School of Medicine was established in 1970 in response to a need in Illinois for increased opportunities for education in the health fields and the more encompassing need for improvements in the health care delivery system. To have the broadest impact possible on health care in central and southern Illinois, the school is deeply engaged in training men and women who will become physicians; it emphasizes continuing education; and it is a center of health care planning and expertise.

The curriculum runs twelve months a year for three years. The first year program, conducted on the campus of Southern Illinois University at Carbondale, has primarily a laboratory or preclinical orientation, but with significant clinical input from the beginning. The second year, at Springfield, is about equally divided between laboratory and clinic; and the third year, also at Springfield, is almost exclusively clinical.

Available facilities include the extensive and well-equipped laboratories of Southern Illinois University at Carbondale; the public and private clinical facilities of Carbondale; and St. John's Hospital and Memorial Hospital in Springfield, each of about 700 beds. A new medical school building in Springfield was completed in 1974 in time for the first class transferring from Carbondale. Inquiries on admissions should be addressed to:

Richard H. Moy, Dean
Committee on Admissions
Southern Illinois University School of Medicine
P. O. Box 3926
Springfield, Illinois 62708

NOTE: Information on Undergraduate preparation necessary for schools of medicine listed under premedicine in this text.

RECOMMENDED PROGRAM

ACCOUNTING
College of Business
& Administration

Accounting is the process of identifying, measuring, and communicating economic information to permit informed judgments and decisions by users of the information. Such information is required and used by parties external to the business and by management within the business.

The curriculum is designed to prepare a student to assume a professional position as a certified public accountant or to join the management team in industry and government. The courses provide a basic understanding of all phases of accounting and permit the student to elect courses to prepare for a particular area of interest.

The Department of Accountancy has a working relationship with several national public accounting firms with whom the department arranges for student work experience during the spring semester of their senior year. Students work off campus in the field of accounting under the direction of the cooperating public accounting firms. While most of the work assignments are in the St. Louis and Chicago areas, some student have been assigned, at their request, in other geographical districts as far away as New Jersey and Texas. The student receives valuable work experience, a salary, and three hours of university credit under the internship program. Interns are selected by the Department.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics & Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics & Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Acct 221, 222	Financial Accounting	3	3
*ADSC 208	Business & Economic Statistics	4	-
*CS 202 or EDP 217	PL-I or Fortran Programming	-	3
*Econ 214, 215	Economics, Macro, Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical & Health Education ¹	-	2
GS- ---	General Studies Electives	-	4
		<u>15 (16)</u>	<u>15</u>

*Required course for a major in Accounting.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Accounting As A Major

Neither minor or foreign language required.

Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

A 2.000 grade point average is required in SIU-C accounting courses for graduation.

Dr. Jackson White, Chairperson
Department Telephone - 618-453-2289
Location - General Classrooms Building, Room 232

RECOMMENDED PROGRAM

ADMINISTRATION OF JUSTICE
College of Human Resources
 (Bachelor of Science)

The Bachelor of Science degree with a major in Administration of Justice meets the career objectives of students interested in law enforcement, corrections, juvenile services and other roles in social and criminal justice.

Four areas of concentration--Law Enforcement, Correctional Program Services, Correctional Management, and Juvenile Justice and Delinquency Prevention--have been delineated to give a range of choices suitable for most students preparing for careers in a field of criminal justice. The policy of this Center, however, is to fit course requirements to the given student's career objectives if none of these concentrations are appropriate. In such situations, the student will be required to take the core courses, and, under the supervision of his or her advisor, develop an appropriate battery of courses in lieu of one of the four areas of concentration.

Field internship placement is an important element in the Administration of Justice program and internships are encouraged for qualified students.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Sciences (select) ¹	-	3
GSB 202	Introduction to Psychology	3	-
GSB 203	Sociological Perspectives	4	-
GSB 212	Political Science	4	-
AJ 200	Introduction to Criminal Behavior*	-	3
GSC 102 or 104	Problems of Moral Decisions	-	3
GSE	Human Health and Well Being (select) ¹	1	1
GSD 152 or 153	Speech	-	2
GSD 101	English Composition	3	-
GSD 107	Math (Statistics suggested)	-	-
or 112 and 113		-	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
AJ 201	Introduction to Criminal Justice System*	3	-
GSC	Humanities (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GSA	Sciences (select) ¹	3	-
GSA	Sciences (select) ¹	-	3
GSD 118	Technical Report Writing	2	-
GSE	Human Health and Well Being (select) ¹	1	1
AJ	Class from AJ Core or AJ Concentration	-	3
GSA/B/C	Elective	3	-
Elective	Free Elective	-	3
AJ	Class from AJ Core or AJ Concentration	-	3
		<u>15</u>	<u>16</u>

*Required courses for a major in Administration of Justice.

¹To determine what courses may be taken to satisfy the general education requirements, please refer to the section, General Studies. The specific general studies courses listed are highly recommended, not a requirement of the Administration of Justice Department.

The preceding 2-year outline can be altered to meet the needs and abilities of the students.

Third and Fourth Year

The last two years of a student's program concentrate on specific career or professional objectives. The student must take the Division Requirement of 15 semester hours plus meet the requirements of a chosen concentration from the following: Law Enforcement, Juvenile Justice and Delinquency Prevention, Correctional Program Services, Correctional Management or a concentration specifically designed and agreed upon with the student's faculty advisor to meet the career objectives of the student.

Administration of Justice As A Major

Graduate Degree program available.

No foreign language requirement.

A minor (secondary concentration) is required and is selected in consultation with the student's academic advisor. The student selects 18 hours of courses constituting a systematic sphere of study relevant to his or her interests and needs.

Multi-disciplinary staff with backgrounds in Sociology, Psychology, Education, Law and Rehabilitation provide instruction. Most of the staff also have practical experience in the Criminal Justice System.

Outstanding faculty, nationally recognized program, guest speakers, special programs, international emphasis, and career oriented experience available.

Lawrence A Bennett - Divisional Executive Officer

Telephone - 618-453-5701

Location - Faner Building, 4th Floor

Undergraduate students in the Department of Administrative Sciences may select one of five areas of specialization which lead to the Bachelor of Science degree in business administration. Each program of study emphasizes the structure of decision making in the administrative process.

The specialized areas in which a student can choose a course of study are: management systems, production management, organizational behavior, or personnel administration. Each of these areas is designed to familiarize the student with current tools and practices that can be applied in organization decision making and provide practice in their application.

Integrated with classroom instruction are various courses which afford both undergraduate and graduate students an opportunity to observe or participate in research or study of on-going projects in different fields of administrative practice. The instructional plans of the department include greater employment of experientially based instruction by use of laboratory courses or inter-practicum experiences.

The field of administrative sciences promises to undergo considerable growth in the years ahead, therefore, the demand for well qualified people is almost without limit. Trained graduates can obtain employment in public utilities, recreation, rehabilitation, health, transportation, and higher education. These positions are at all levels of administration.

Students frequently combine training in another specialty field with a program in administrative sciences in order to prepare themselves to assume managerial responsibility. While most graduates enter positions in business, many find administrative careers in such fields as aviation, corrections, agriculture, recreation, food services, health, government, and higher education.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics and Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics and Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Acct 221, 222	Financial Accounting	3	3
*ADSC 208	Business and Economic Statistics	4	-
*CS 202 or EDP 217	Fortran Programming	-	3
*Econ 214, 215	Economics, Macro and Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical and Health Education ¹	-	2
GS- ---	General Studies Electives	-	4
		<u>15 (16)</u>	<u>15</u>

*Required course for a major in Administrative Sciences.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Administrative Sciences As A Major

Neither minor nor foreign language required.
Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

The Society for the Advancement of Management in cooperation with the Department of Administrative Sciences sponsors annually Career Day to acquaint students with opportunities in business and government.

Dr. Robert Bussom - Chairperson
Department Telephone - 618-453-3307
Location - General Classrooms Building, Room 215

RECOMMENDED PROGRAM

AGRICULTURAL EDUCATION
(Vocational)
School of Agriculture

Completion of a four-year course of study in agricultural education leads to certification as a teacher of agricultural occupations. Men and women students have the opportunity to specialize in one of the following areas: agriculture business, agriculture mechanization, ornamental horticulture, plant production, soil conservation, parks and recreation, forestry, conservation, or animal production.

Employment opportunities for agricultural education majors are excellent not only as teachers in high schools and community colleges, but the breadth of training also provides educational background needed for adult training programs provided by high schools, colleges, extension service, and industry. Many foreign agricultural positions are open to persons with this training. This curriculum also provides the educational background sought by many agribusiness firms for sales and management training positions.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 115	Biology	3	-
GSA 106	Chemistry ¹	-	3
GSB	Social Studies ²	3	-
GSC	Humanities ²	-	3
GSD 101	English Composition ⁴	3	-
GSD 107	College Mathematics ⁴	-	4
GSE	Health Course	1	2
Agl 204	Introduction to Agricultural Economics ³	3	-
PLSS 200	Principles of Field Crop Production	3	-
Anl 121	Animal Science	-	3
Anl 122	Animal Science (Lab)	-	1
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science ²	3	-
GSB 202	Psychology	3	-
GSB	Social Studies ¹ (A course in American History or ² Government)	-	3
GSC	Humanities ²	-	3
GSD 153	Oral Communications	3	-
GSE	Health and Physical Development ²	1	-
Anl 215	Introduction to Animal Nutrition	2	-
PLSS 240	Soil Science	-	4
Agriculture	Agricultural electives ⁵	<u>3</u>	<u>5</u>
		<u>15</u>	<u>15</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives and electives.

¹A student with background and interest in Chemistry is recommended to take a higher level of Chemistry.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Agl 204 can be substituted for GSB 211a (Introductory Economics) or vice versa.

⁴College Algebra recommended.

⁵Student should consult with agriculture counselor regarding options available for agriculture electives.

Important - see requirements for entrance into Formal Teacher Education Program.

Agricultural Education As A Major

A student may select one of eight agricultural speciality options for major emphasis. Information about these specialties may be secured from the department.

No minor required. No foreign language required. Approximate class size 30. Masters degree available in Agricultural Education. Methods and student teaching will be stressed junior and senior years. Courses in both the School of Agriculture and the College of Education are included.

Dr. Eugene Wood - Chairperson

Department Telephone - 618-453-2421, Location - Agriculture Building, Room 226

RECOMMENDED PROGRAM

AGRICULTURAL INDUSTRIES (Agricultural Economics/ Agri-Business) School of Agriculture

The Agricultural Economics/Agri-business curriculum is designed to prepare women and men for attractive careers in agriculture, industries that are related to agriculture, or to continue their professional development by entering graduate school. A few career opportunities include farm credit positions with banks, farm management, grain elevator operations, live-stock buying and selling, farm supplies, research, public relations, and extension work.

In agricultural economics/agri-business, courses are offered in the areas of farm management, agri-business management, farm credit, agricultural prices, agricultural marketing, cooperatives, and agricultural policy.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 106	Chemistry	-	3
GSA	Physical Sciences ²	3	-
GSB	Social Science ²	-	3
GSC	Humanities ²	-	3
*GSD 101	English Composition	3	-
*GSD 107	Basic College Math ³	4	-
GSE	Health and Physical Development ²	1	1
*Agl 204	Introduction to Agricultural Economics ⁴	3	-
Anl	Animal Science	-	3
PLSS	Plant and Soil Science	-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Introductory Biology	3	-
GSB	Social Studies ²	3	-
GSC	Humanities ²	3	3
GSD 110	Economic and Business Statistics	-	2
*GSD 118	Technical Report Writing	2	-
*GSD 153	Public Communication ⁵	-	2
GSE	Health and Physical Development ²	1	2
*Econ 214, 215	Economics - Macro, Micro	3	3
*Agl 360	Coops and Agri-business Management	-	3
		<u>15</u>	<u>15</u>

Third and Fourth Years

The last two years of the agricultural economics/agri-business curriculum are devoted to advanced courses in agricultural economics, agri-business, economics and business to meet the goals and objectives of the study. About 20 hours of free electives are included in the last two years of this curriculum.

*Required courses for a major in Agricultural Economics/Agri-business.

¹There are two options available under the economics specialization: (a) 40 hours in agriculture which provides a broad training in agriculture or (b) 32 hours in agriculture which allows a secondary concentration in either economics or business.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Mathematics 110A,B or III (College Algebra and Trigonometry) are highly recommended.

⁴Agl 204 can be substituted for GSB 211 (Introductory Economics).

⁵GSD 152 may be substituted.

Two courses in Accounting are desirable.

Agricultural Industries (Agricultural Economics/Agri-business) As A Major

No minor required. No foreign language required. Internships are encouraged for the summer semesters. Masters degree available in Agricultural Economics and Ag Services. Class size 20-50; senior year 15-30. Department is sponsor for special workshops on campus. Students attending junior colleges without an agricultural program can easily complete an Agricultural Economics/Agri-business major in two years.

Dr. Eugene Wood - Chairperson
Department Telephone - 618-453-2421
Location - Agriculture Building, Room 226

RECOMMENDED PROGRAM

AGRICULTURAL INDUSTRIES
(Agricultural Mechanization)
School of Agriculture

The Agricultural Industries curriculum with a specialization in agricultural mechanization is designed to prepare individuals for attractive careers in agriculture and related businesses, in industries that are related to agriculture, or to continue their professional development by entering graduate school. A few career opportunities include farm management careers, grain elevator operations, farm supply sales, public relations, operational positions in the processing industry, power use advisors with electric power supplying agencies and companies, selling field testing farm equipment and product education positions, and service representatives for the various power and machinery companies. Due to the extensive mechanization and technology in agriculture and the related industries employment opportunities are excellent.

Courses in agricultural mechanization are offered in construction and repair processes; agricultural power and machinery; agricultural electrification; agricultural buildings and structures; soil and water conservation; and agricultural materials processing, handling, and storage.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Biology	3	-
GSA	Science	3	-
*GSB 204	Introduction to Ag Economics	-	3
GSB	Social Studies	-	3
GSC	Humanities	3	3
*GSD 101	English Composition	-	3
GSE	Health and Physical Development ¹	2	2
*AnI 121	Animal Science	3	-
*AnI 122	Animal Science (Lab)	1	-
*PLSS 200	Field Crop Production	-	3
		<u>15</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 101	Physics	-	3
*GSA 106	Chemistry	3	-
GSB	Social Studies ¹	3	-
GSC	Humanities	-	3
*GSD 107	Algebra ²	5	-
GSD 118	Technical Report Writing	-	2
GSD 153	Speech	-	2
*Acct 210	Basic Accounting	-	3
*Agl 376	Applied Graphics	2	-
*Agl 377	Surveying	2	-
*Agl 378	Shop Processes	3	-
*Agl 379	Basic Mechanics	-	3
		<u>17</u>	<u>16</u>

Third and Fourth Years

The last two years of the individual's program concentrate on work that best leads the individual toward his or her professional goals. The individual will complete 55 semester hours in agriculture of which 27 hours are in agricultural mechanization and 28 semester hours of approved free electives. Elective courses may be taken in agriculture or supporting areas.

*Required or strongly recommended courses for agricultural mechanization majors.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²GSD 107 (Intermediate Algebra) is a minimum requirement. Math 110a-3 and 110b-2 (College Algebra and Trigonometry) are strongly recommended.

Agricultural Industries (Agricultural Mechanization) As A Major

Individuals do not need to have an agricultural background to enter the agricultural mechanization program.

Internships are encouraged for the summer terms. No minor required. No foreign language required. Masters degree available. Class size 20-50; senior year 15-30. Department sponsors special workshops on campus.

Dr. Eugene Wood - Chairperson
Department Telephone - 618-453-2421
Location - Agriculture Building, Room 226

General Agriculture is intended for those students who are seeking broad backgrounds in agriculture. It is the major of greatest flexibility within the School of Agriculture and is probably the best major for students who have not chosen a professional area for emphasis. Many agriculture students are graduated with a major in General Agriculture. Some students start as General Agriculture majors, later identify an area in which they want to specialize and transfer to the appropriate major for that specialty. Other students start in one of the specialized areas and later decide to transfer to and be graduated from General Agriculture. Possible specializations within the General Agriculture major include: Environmental Studies, Foreign Agriculture, and Country Living.

Students in this major gain basic preparation for many of the agricultural careers: general farming, agricultural services, agricultural extension, agricultural communication, agricultural business, agricultural industry and agricultural production.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 106 ¹	Chemistry	-	3
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select)	-	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119 ³	Writing (select one)	-	2
GSD 107	Mathematics	4	-
GSE	Health and Physical Development (select)	1	1
Agl 204 ⁴	Introduction to Agricultural Economics	-	3
Anl 121 and 122	Animal Science	4	-
Bot 200 ⁵	Botany	-	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA, B or C	Elective (select)	-	3
GSB	Social Studies (select)	3	-
GSC	Humanities (select)	3	3
GSD 153	Speech	-	2
GSE	Health and Physical Development (select)	-	2
PLSS 240	Soil Science	4	-
PLSS 220 or 200	Horticulture or Field Crops	-	3
Zoo 118 ⁵	Zoology	3	-
	Electives	3	3
		<u>16</u>	<u>16</u>

¹A student with background and interest in chemistry is recommended to take a higher level of chemistry.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³The three courses are Expository Writing, Technical Report Writing and Creative Writing. The student selects one to meet his or her interests and career objectives.

⁴Agriculture Industries 204 substitutes for GSB 211 (Contemporary Economics) as well as counting as hours toward the major.

⁵Botany 200 and Zoology 118 substitute for GSA requirements.

Agriculture As A Major

Major requirements include a minimum of 8 semester hours of courses in each of the three departments: Agricultural Industries, Animal Industries, Plant and Soil Science; plus additional elective courses in agriculture or forestry to complete a total of 40 semester hours.

No minor required; no foreign language required.

Dr. William A. Doerr - Chief Academic Advisor
Department Telephone - 618-453-2469
Location - Agriculture Building, Room 206

RECOMMENDED PROGRAM

ANIMAL INDUSTRIES
School of Agriculture

Introduction, research, demonstration, and/or consultation are provided in dairy, horse, livestock and poultry production, animal behavior, meats, pets, and animal hygiene. Courses are offered in all phases of animal production and management.

The student has the opportunity to select courses in other areas of agriculture or related fields, such as business, biology, or physical sciences. This selection allows the student to include in his or her studies the agronomic, agricultural economic, and agricultural engineering phases of agriculture, pre-veterinary medicine, or business as related to animal production.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Substitute for GSA 115	4	
GSB	Social Studies	3	3
GSC	Humanities	-	3
GSD 101	English Composition	3	-
GSD	English Composition (one of 117, 118, or 119)	-	2
GSD 107	Intermediate Algebra or 4 hours from 113 and either 110 or 112	-	4
GSE	Health and Physical Development	1	1
Anl 121	Science of Animals	3	-
Anl 122	Production and Processing Practices of the Animal Industry	1	-
Anl 211	Anatomy, Growth, and Development	-	2
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Phsl 210	Physiology	4	-
GSB	Social Studies	-	3
GSC	Humanities	3	3
GSD 153	Speech	-	3
Chem 140a	Chemistry (Inorganic) ¹	4	-
Chem 140b	Chemistry (Organic and Biochemistry)	-	4
Anl 215	Animal Nutrition	2	-
Anl 315	Feeds and Feeding	-	3
GSE	Health and Physical Development	2	-
		<u>15</u>	<u>16</u>

Third and Fourth Years

Courses during the last two years of a student's program concentrate on requirements, electives in Animal Industries, other departments in the School of Agriculture as well as free electives.

¹Substitutes for GSA Chemistry.

Animal Industries As A Major

Many students work at the various livestock centers and the laboratories to help defray the cost of education as well as to gain valuable experience. An intern course also enables a student 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 teaching staff have advanced degrees (Ph.D.). Graduate programs are available. Class size 20-60; senior year 10-30.

Dr. H. H. Hodson - Chairperson
Department Telephone - 618-453-2320
Location - Room 127, Agriculture Building

RECOMMENDED PROGRAM

ANIMAL INDUSTRIES (Science and Pre-Veterinary Medicine Option) School of Agriculture

Introduction, research, demonstration, and/or consultation are provided in dairy, horse, livestock and poultry production, animal behavior, meats, pets, and animal hygiene. Courses are offered in all phases of animal production and management.

The student has the opportunity to select courses in other areas of agriculture or related fields, such as business, biology, or physical sciences. This selection allows the student to include in his or her studies the agronomic, agricultural economic, and agricultural business as related to animal production.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies	-	3
Biology	(core suggested)	4	4
GSD 101	English Composition	3	-
GSD	English Composition (one of 117, 118, or 119)	-	2
GSE	Health and Physical Development	1-2	1-2
Anl 121	Science of Animals	3	-
Anl 122	Production and Processing Practices of Animal Industry	1	-
Anl 211	Anatomy, Growth and Development	-	2
Math 110a,b	College Algebra and Trigonometry	3	2
		<u>15-16</u>	<u>14-15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies	3	3
GSC	Humanities	-	3
Phsl 210	Physiology	4	-
Chem 222a,b	Chemical Principles ²	4	4
Phys 203a,b	College Physics ³	3	3
Phys 253a,b	Physics Lab	1	1
Anl 215	Animal Nutrition	2	-
Anl 315	Feeds and Feeding	-	3
		<u>17</u>	<u>17</u>

Third and Fourth Years

In addition to completing General Studies Requirements and Chemistry, courses during the last two years of a student's program concentrate on requirements and electives in Animal Industries, other departments in the School of Agriculture as well as free electives.

¹Substitutes for GSD 107 (Math).

²Substitutes for GSA 106 (Chem).

³Substitutes for GSA 101 (Physics)

Animal Industries As A Major

Many students work at the various livestock centers and the laboratories to help defray the cost of education as well as to gain valuable experience. An intern course also enables a student 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 position.

No minor required. No foreign language required. Most of teaching staff have advanced degrees (Ph.D.). Graduate programs are available. Class size 20-60; senior year 10-30.

Dr. H. H. Hodson - Chairperson
Department Telephone - 618-453-2320
Location - Room 127, Agriculture Building

RECOMMENDED PROGRAM

ANTHROPOLOGY
 College of Liberal Arts
 (Bachelor of Arts)

Faculty members have had field experience in North, South and Central America, the Caribbean, Europe, Africa, Australia and the Pacific. Faculty specialization and field experience in the Greater Southwest, Mesoamerica, Midwest and New Guinea are particularly strong.

With an advanced degree an Anthropologist will typically find employment with museums, foundations, junior colleges, universities and many government programs.

The Anthropology major consists of 32 semester hours, to include Anthropology 300A, 300B, 300C and 300D which introduce the main subfields of the discipline. The remaining 20 hours are to be selected in consultation with the student's advisor, with half of these recommended to be at the 400 level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 104	Anthropology ²	3	-
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD	English Composition ¹ and one of 117, 118, or 119	3	2
GSD	Math (select) ¹	2	-
GSD 112	Statistics	-	2
GSE	Health and Physical Development (select) ¹	-	2
		<u>14</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GSD	Speech (select) ¹	2	-
FL ³		4	4
GSE	Health and Physical Development (select) ¹	2	-
Elective ⁴		<u>4</u>	<u>4</u>
		<u>15</u>	<u>14</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, see the section, General Studies for the Transfer Student.

²Does not count in the 32 hour Anthropology major requirement.

³Students intending to pursue a graduate education should realize that a foreign language would likely be required for graduate school admission; for these students two years of foreign language is recommended.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Anthropology As A Major

When possible, transfer students should contact the department prior to their first semester of attendance.

The program in anthropology covers all the major divisions of anthropology, viz. archaeology, physical anthropology, ethnography, linguistics, and socio-cultural anthropology. Although there are no specific course requirements beyond the four introductory courses, students are urged to take at least one course in each of the following subjects: applied anthropology, archaeology, art and technology, ethnology, history of anthropology, linguistics, physical anthropology, and socio-cultural anthropology. The student who contemplates going on to graduate work in the field is advised to take a broadly based curriculum, in order to increase his or her chances of admission to a graduate program. The anthropology major is also advised to gain a reading knowledge of one of the foreign languages containing substantial anthropological literature, e.g. French, German, Russian, Spanish, and to obtain elementary knowledge of statistics and/or computer science.

Dr. George Gumerman - Chairperson
 Department Telephone - 618-536-6651
 Location - Faner 3525

RECOMMENDED PROGRAM

ART
 (Drawing)
 (Painting)
 (Printmaking)
 (Sculpture)
 (Ceramics, Metalsmithing, Weaving)
 (General Studio)
 College of Communications and
 Fine Arts

Undergraduate offerings in art provide introductory and specialized experiences. The courses of study offered, leading toward the Bachelor of Arts degree in art, require 51 hours of art in art education, 58 hours of art in art history, 52 hours of art in general studio, and 72 hours of art in all other specializations.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	3	-
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Alternate (select) ¹	-	2
GSD	Mathematics (select) ¹	4	-
GSE	Health and Physical Development (select) ¹	1	1
Art 100	Basic Studio	4	4
Art 200	Beginning Drawing	-	2
		<u>15</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSE	Health and Physical Development	1	1
Art 201	Beginning Painting	2	-
Art 203	Beginning Sculpture	-	2
Art	Electives	4	4
		<u>16</u>	<u>16</u>

¹Refer to section General Studies for the Transfer Student.

Third and Fourth Years

The student will primarily satisfy remaining departmental requirements and utilize the freedom in selection of elective courses to achieve the desired specialization.

Art As A Major

Graduate degree available.

The department is staffed by a faculty of artist-teachers, many of whom have national reputations resulting from their participation in major exhibitions and invitational shows throughout the country. There is also an Artist-in-Residence program which annually invites internationally known artists to teach, exhibit, and lecture. The student can expect to receive excellent training in all of the applied and theoretical branches of art.

A student who expects to elect the studio or the studio-crafts specialization must have the approval of the faculty of the Department of Art. The student's past work will be evaluated and he or she must give evidence of the necessary level of competence to pursue this program. Students who do not meet this criterion may elect the specialization in art education or art history-aesthetics in the School of Fine Arts.

Milton Sullivan - Director
 Departmental Telephone - 618-453-2571
 Departmental Location - Allyn Building

RECOMMENDED PROGRAM

ART EDUCATION

School of Art

College of Education

College of Communications and
Fine Arts

In addition to teaching art in elementary and secondary schools, art majors are employed in museums, private art schools, college art departments, and art galleries. Electives, courses outside of degree requirements, are provided so that the student may encounter additional areas of concern beyond his or her concentration.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	3	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select) ²	-	2
GSD 153	Public Communication	-	2
GSE 201	Healthful Living ³	2	-
GSE	Health and Physical Development	-	1
Art 100a	Basic Studio	4	-
Art 100b	Basic Studio	-	4
Ed 201	Teacher's Role in Public School Education ⁴	-	1
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 212 or 300	American Government or U.S. History 1492-1877 (select) ³	-	3
GSB 202	Introduction to Psychology ³	3	-
GSC	Lit Course (select) ²	3	-
GSD	Math (select) ²	-	4
GSE	Health and Physical Development (select) ²	1	-
Art	Studio	4	4
Art 107		2	-
Art 207		-	4
		<u>16</u>	<u>18</u>

¹ Refer to section General Studies for the Transfer Student.

² Courses required for certification include GSB 202; GSB 212, 300 or 301; GSD 101; GSD 117, 118, or 119; GSD 153; GSE 100-114 (2 hours); GSE 201; and one additional English course from GSC, GSD or department.

Art Education As A Major

Students may pursue Art Education within either the College of Communications and Fine Arts, or the College of Education.

A student interested in the major should become aware of the requirements for entrance into the Teacher Education Program.

Milton Sullivan - Director
Department Telephone - 618-453-2571
Location - Barracks 0839

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

ART HISTORY

School of Art
College of Communications and
Fine Arts

Undergraduate offerings in art provide introductory and specialized experiences. The courses of study offered, leading toward the Bachelor of Arts degree in art, require 51 hours of art in art education, 58 hours of art in art history, 52 hours of art in general studio, and 72 hours of art in all other specializations.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	-	3
*GSC 207	Aesthetics	2	-
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select)	2	-
GSD 152 or 153	Speech or Alternate (select) ¹	-	2
GSD	Mathematics (select) ¹	4	-
GSE	Health and Physical Development (select) ¹	1	1
*Art 107	Fundamentals of Art	2	-
*Art 207	Survey of Art History	-	4
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSE	Health and Physical Development	1	-
Art	Art Studio	2	2
*Art 307	Ancient Art	-	3
*ForLang	French or German	4	4
		<u>16</u>	<u>18</u>

¹ Refer to section General Studies for the Transfer Student.

*Departmental requirements for Art History.

Third and Fourth Years

The student will primarily satisfy remaining departmental requirements and utilize the freedom in selection of elective courses to achieve the desired specialization.

Art As A Major

Graduate degree available.

The department is staffed by a faculty of artist-teachers, many of whom have national reputations resulting from their participation in major exhibitions and invitational shows throughout the country. There is also an Artist-in-Residence program which annually invites internationally known artists to teach, exhibit, and lecture. The student can expect to receive excellent training in all of the applied and theoretical branches of art.

Milton Sullivan - Director
Departmental Telephone - 618-453-2571
Departmental Location - Allyn Building

This curriculum is designed to give the student a broad, yet intensive, education in the biological sciences preparatory for various professions, especially the teaching of biology at the secondary level. The work may be taken in either the College of Science or the College of Education. The science requirement for this concentration is the same in both colleges.

The biological sciences curriculum consists of courses selected from General Studies Area A and the Departments of Botany, Microbiology, Physiology, and Zoology. A student selecting biological sciences as his or her concentration does not need to take a secondary concentration.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 208	Lab Experience in Physiology	-	1
GSA 209	Principles of Physiology	-	3
GSC	Humanities (select) ²	-	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select) ²	-	2
GSE 201	Healthful Living	2	-
*Bot 200	General Botany	3	-
*Bot 201	General Botany Lab	1	-
*Chem 224	Introduction to Chemical Principles	-	5
*Chem 225	Introduction to Lab Techniques	-	2
Educ 201	Teacher's Role in Public School Education	-	1
*Math 111	College Algebra and Trigonometry	5	-
		<u>14</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212, 300, or 301	American Government or U.S. History	4	-
GSC	English elective in Humanities	-	3
GSC	Humanities (select) ²	3	-
GSD 153	Public Communication	-	2
GSE	Physical Education	1	1
*Biol 305 or 307	Genetics or Environmental Biology	3	-
Zool 120a,b	Introduction to Invertebrate & Vertebrate Zoology	4	4
GSB 202	Introduction to Psychology	-	3
GSB	Social Studies (select) ²	-	3
		<u>15</u>	<u>16</u>

*Approved substitutes for General Studies.

¹See also the program under the College of Science.

²Refer to the section General Studies for the Transfer Student.

Biological Science As A Major

It is recommended that the following courses be completed during the student's first two years: Zoology 120a,b; Botany 200, 201, 204, 205; Chemistry 224, 225.

Foreign Language is not required for students pursuing the Bachelor of Science in Education degree.

For specific major requirements see the Undergraduate Catalog.

Courses required for certification include: GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118 or 119, Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental).

Coordinator of Teacher Education Services
College of Education
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

BIOLOGICAL SCIENCES¹
 College of Science
 (Bachelor of Arts)

This curriculum is designed to give the student a broad, yet intensive, education in the biological sciences preparatory for various professions, especially the teaching of biology at the secondary level. The work may be taken in either the College of Science or the College of Education. The science requirement for this concentration is the same in both colleges.

The biological sciences curriculum consists of courses selected from the Departments of Botany, Microbiology, Physiology, and Zoology. A student selecting biological sciences as his or her concentration does not need to take a secondary concentration.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
*FL	Foreign Language ⁴	4	4
*Math 110a,b	College Algebra and Trigonometry ^{3,4}	3	2
*Zoology 220a,b	Invertebrate, Vertebrate Zoology	4	4
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	-	3
GSE	Human Health (select) ²	-	1
		<u>17</u>	<u>16</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 152, 153 or 104	Speech	2 (3)	-
*Bot 200, 201	General Botany ⁴	4	-
*Bot 204, 205	Plant Diversity ⁴	-	4
*Chem 224, 225	Introductory Chemistry ⁴	7	-
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	-	2
GSE	Human Health and Well Being ⁴	-	3
Phsl 210	Introductory Human Physiology ⁴	-	4
		<u>16 (17)</u>	<u>16</u>

Third and Fourth Year

The last two years of a student's program should include completion of 3 additional hours in GSA, GSB, or GSC, and the following courses in biological sciences: Microbiology 301, 302 (7 hours), any two of Biology 305, Biology 306, Biology 307, Biology 308, or Biology 309 (6 hours), and any electives in biological sciences at the 400-level, for 7 hours. Chemistry 340 is recommended.

*Approved substitutes for General Studies.

¹See also the program (B.S.) under the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Math III substitutes for Math 110a,b.

⁴Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

Biological Sciences As A Major

Although advanced work (M.A. or Ph.D.) has become a basis for professional preparation in the biological sciences, many technician type jobs exist in industry for people who cannot immediately pursue graduate study--or who do not care to do so. Pharmaceutical houses, chemical companies and laboratories of all types constantly require such personnel. Large medical centers actively recruit the undergraduate degree holder and women frequently find favorable research and service oriented positions. In addition, all industrial firms selling chemicals or biologicals have continuous openings for sales and management trainees with general science backgrounds.

No minor required.

Chief Academic Advisor, College of Science
 Department Telephone - 618-536-5537
 Location - Neckers Building

RECOMMENDED PROGRAM

BLACK AMERICAN STUDIES

Division of Social and
Community Services
College of Human Resources

Knowledge of the Black experience is essential for our pluralized society. Such knowledge is not automatically acquired through being Black or through being exposed to Blacks. But rather, it is acquired through a systematic body of knowledge such as that which is available through the Black American Studies (BAS) Program at Southern Illinois University-Carbondale. Information acquired through Black American Studies history, psychology, literature, music, etc. courses is especially beneficial to students whose chosen careers in some way involve Black people. Since this is true of most careers, it is to each student's advantage to take courses that will develop the skills that will increase his or her job opportunities.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 109	Introduction to Black America ²	3	-
GSB	Social Science (select) ¹	-	3
GSC 135	Third World: The African Model	3	3
GSD 101	English Composition	3	-
GSD	English Composition (select one from D 117, 118, 119) ¹	-	2
GSD (Math)	107-4 for 4 hours from 113-2 and either 110-2 or 112-2	4	-
GSE	Health and Physical Development (select) ¹	1	1
BAS 230	Introduction to Black Sociology	-	3
		<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹	3	3
GSC 371	Evolution of Jazz ²	2	-
GSC 225	Social Change in Africa	-	3
GSD	Speech or alternate GSD Oral Communications	2	-
GSE	Health and Physical Development	-	2
BAS 336	The Black Personality	4	-
Elective		<u>6</u>	<u>4</u>
		<u>17</u>	<u>15</u>

Third and Fourth Years

The last two years of a student's program concentrate on the professional objectives that he or she has chosen to pursue within the Black American Studies Special Major Program.

¹To determine what courses may be taken to satisfy the general educational requirements for this program, please refer to the section General Studies.

²These courses will count towards a BAS major (32 hours) and minor (20 hours) requirements as well as General Studies. All other BAS courses count toward the BAS major, minor, or university electives.

Black American Studies As A Special Major (See Special Programs)

Through Black American Studies, students may obtain a 32 hour special major which they, along with a Black American Studies advisor, develops in accordance with their own individual needs and aspirations. Students interested in education, for example, may develop special majors around Black American History and Literature. Others who are interested in human service areas such as Social Welfare and Crime and Corrections may find Black American Studies Sociology courses to be relevant. Then there are those students who may choose to explore a variety of Black American Studies courses with the intention of specializing on the graduate level. Regardless of a student's interests, whether it lies in education, business, human service areas, industry or Black American Studies per se, a background in Black American Studies is needed and useful.

A wide variety of Black American Studies courses are available from the Behavioral and Social Sciences as well as the Creative & Performing Arts.

Dr. Walter G. Robinson, Jr. - Coordinator
Telephone - 618-453-2339
Location - Old Baptist Foundation Building

Dr. Ira Ehrlich, Divisional Executive Officer
Division of Social and Community Services
Telephone - 536-5558
Location - Quigley Hall

RECOMMENDED PROGRAM

BOTANY¹
College of Education

Botany is a broad science that includes many specialties. For example, a person who has a quantitative turn of mind and enjoys mathematics or chemistry might find genetics or biochemistry exciting, whereas a person who has always enjoyed outdoor activity might be attracted to systematic botany or ecology. Plant Morphology might appeal to a person who enjoys observation and interpretation, but plant physiology might have more appeal for a person who prefers experimentation. The exact courses that should be selected by students who wish to prepare for a career in botany or for graduate study will vary somewhat depending upon the area of plant science in which they intend to specialize.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212	Introduction to American Government & Politics	-	4
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing	-	2
*Math III	College Algebra and Trigonometry	5	-
GSE 201	Healthful Living	2	-
GSE	Physical Education (select) ²	1	-
**Bot 200	General Botany	3	-
**Bot 201	General Botany Lab	1	-
**Chem 224	Introduction to Chemical Principles	-	5
**Chem 225	Introduction to Lab Techniques	-	2
**Bot 204	Botany - Plant Diversity	-	3
**Bot 205	Botany - Plant Diversity Lab	-	1
		<u>15</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	-	3
GSB	Social Studies (select) ²	3	-
GSC	English elective in Humanities (select) ²	3	-
GSC	Humanities (select) ²	3	3
GSD 152 or 153	Speech	-	2
GSE	Physical Development (select) ²	-	1
Ed 201	Teacher's Role in Public School Education	-	1
Chem 340	Survey of Organic Chemistry	4	-
Chem 341	Organic Chemistry Lab	2	-
Bot requirements		-	6
		<u>15</u>	<u>16</u>

*Approved substitute for GSD math.

**Approved substitutes for GSA.

¹Should have a minor in Zoology. See also the program under the College of Science.

²Refer to the section General Studies for the Transfer Student.

Botany As A Major

For specific major requirements see the Undergraduate Catalog.

Foreign language is not required for students pursuing the Bachelor of Science in Education degree.

The following major requirements should be completed during the student's first two years of study: Botany 200, 201, 204, 205; Chemistry 224, 225, 340; Botany 304, 307.

The following courses are required for teacher certification: GBS 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, Expository Writing or GSD 118, Technical Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; Mathematics 110a,b, College Algebra and Trigonometry; one additional English course (GSC, GSD, or departmental).

Coordinator of Teacher Education Services
College of Education
Telephone - 618-536-2329
Location Wham Building, Room 108

RECOMMENDED PROGRAM

BOTANY¹
College of Science
(Bachelor of Arts)

Botany is a broad science that includes many specialties. For example, a person who has a quantitative turn of mind and enjoys mathematics or chemistry might find genetics or biochemistry exciting, whereas a person who has always enjoyed outdoor activity might be attracted to systematic botany or ecology. Plant Morphology might appeal to a person who enjoys observation and interpretation, but plant physiology might have more appeal for a person who prefers experimentation. The exact courses that should be selected by a student who wishes to prepare for a career in botany or for graduate study will vary somewhat depending upon the area of plant science in which he or she intends to specialize.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
*FL	Foreign Language ³	4	4
*Math 110a,b	College Algebra and Trigonometry ³	3	2
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	-	3
GSE	Human Health (select) ²	-	1
*Bot 200, 201	General Botany ³	4	-
*Bot 204, 205	Plant Diversity ³	-	4
		<u>17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 153	Public Communication	2	-
*Chem 224, 225 or Chem 140a,b	Introductory Chemistry ^{3,4}	7 (8)	-
GSB	Social Studies (select) ²	3	3
GSC	Humanities (select) ²	-	3
GSE	Human Health and Well Being	1	2
*Botany 304	Plant Classification	3	-
*Biology 307	Environmental Biology	-	3
Botany	Elective	-	4
		<u>16 (17)</u>	<u>15</u>

Third and Fourth Year

The last two years of a student's program should include completion of 3 additional hours in GSA, GSB, or GSC, Biology 305, and the following courses in botany: Botany 320, 335, 337, and any botany electives totaling 16 hours to be selected from Botany offerings excluding Botany 160, 258, 259, 462, 490, 491; and may include up to a total of 6 hours selected from Botany 390, 391, and 492.

*Approved substitutes for General Studies.

¹See also the program under the College of Education (Bachelor of Science).

²To determine what courses may be taken to satisfy this program, please refer to the section, General Studies for the Transfer Student.

³Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

⁴Students have two options for chemistry: Option A is 140a,b; Option B is Chemistry 224, 225 with 340 and 341 to follow in the third or fourth year. Option B is recommended for those interested in plant physiology or graduate school.

Botany As A Major

As a general rule, a student who intends to apply for admission to a graduate school for study for an advanced degree in botany should include the following in his or her undergraduate program: inorganic and organic chemistry, mathematics through calculus, a modern European language, and as many botany and biology courses as time and scheduling will permit.

An honors program is available to those juniors and seniors in botany who have an overall grade point average of 3.00 or better and an average in botany courses of 3.25 or better. The honors student should enroll in Botany 492 during some semester of both junior and senior years for a total of no fewer than three semester hours.

Dr. John Voigt - Department Advisor
Department Telephone - 618-536-2331
Location - Life Science II, Room 479

RECOMMENDED PROGRAM

BUSINESS AND ADMINISTRATION
College of Business
& Administration

The Bachelor of Science degree program with a major in Business and Administration is intended for those students with personal and professional goals which entail a blending of course work offered by the College of Business and Administration with a secondary concentration comprised of course work offered by other schools and colleges of the university. This combining of interests--business with an outside field--can result in a unique program. For example, a student with international business interests can combine business and administration with foreign languages; a student interested in going into the restaurant business can combine course work in food and nutrition with business and administration. The outside field (or secondary concentration) must be consistent with a specific career objective or personal development plan and at least 15 semester hours must be structured to achieve this objective. Individual programs are subject to the approval of the Dean of the College of Business and Administration.

First Year

		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics & Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics & Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>

Second Year

		<u>Fall</u>	<u>Spring</u>
*Acct 221, 222	Financial Accounting	3	3
*ADSC 208	Business & Economic Statistics	4	-
*CS 212 or EDP 217	PL-I or Fortran Programming	-	3
*Econ 214, 215	Economics, Macro, Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical & Health Education	-	2
GS- ---	General Studies Elective	-	4
		<u>15 (16)</u>	<u>15</u>

*Required courses for a major in Business and Administration.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Business And Administration As A Major

Secondary concentration required; foreign language not required.

Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

Mr. C. E. Rosenbarger, Assistant Dean
 Department Telephone - 618-453-5250
 Location - General Classroom Building, Room 113

RECOMMENDED PROGRAM

BUSINESS ECONOMICS
 College of Business
 & Administration

The Business Economics major offered through the College of Business and Administration emphasizes the application of economic concepts and the use of critical analysis to the solution of economic and managerial problems.

This undergraduate program is an excellent general preparation for future managerial and staff assignments in a variety of business and public organizations. The program also prepares students for graduate study in economics as well as for the Master in Business Administration (MBA) degree.

Those students who desire professional careers as business and managerial economists are advised to plan to complete one to four years of post graduate study.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics and Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics and Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Acct 221, 222	Financial Accounting	3	3
*ADSC 208	Business and Economic Statistics	4	-
*CS 212 or EDP 217	Fortran Programming	-	3
*Econ 214, 215	Economics, Macro and Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical and Health Education ¹	-	2
GS- ---	General Studies Electives	-	4
		<u>15 (16)</u>	<u>15</u>

*Required course for a major in Business Economics.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Business Economics As A Major

Neither minor nor foreign language required.

Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

Mr. C. E. Rosenbarger, Assistant Dean
 Department Telephone - 618-453-5250
 Location - General Classrooms Building, Room 113

Students admitted to the Undergraduate Teacher Education program in Business Education must prepare to teach in four, preferably five, of the following areas: typewriting; shorthand and transcription; bookkeeping, accounting and record keeping; general (basic) business and consumer education; office practice and machines; business law; distributive education; data processing.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB 202	Introduction to Psychology	3	-
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select one)	-	2
GSD 107	Mathematics	4	-
GSD 152 or 153	Speech or Public Communications	-	2
GSE	Health and Physical Development	1	1
Ed 201	Teacher's Role in Public School Education	-	1
AdSc 170	Introduction to Business Administration	-	3
		<u>14</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 211	Contemporary Economics	3	-
GSB 212 or 300	American Government or History of U.S.	-	3
GSC	English Elective in Humanities (select) ¹	3	-
GSE 201	Healthful Living	2	-
Ed 301	Human Growth, Development, and Learning	-	2
Bus Ed 203	Advanced Typewriting	2	-
Bus Ed 241	Duplicating and Transcribing Machines	-	1
Bus Ed 316	Communication in Business	-	2
Acct 221	Accounting I	3	-
Bus Ed 317	Introduction to Data Processing	-	3
		<u>16</u>	<u>14</u>

¹Refer to the section General Studies for the Transfer Student.

²For specific major requirements see the Undergraduate Catalog.

Business Education As A Major

Students should include the following courses required for certification: GSB 202, Introduction to Psychology; GSB 211, Contemporary Economics; GSB 212, Introduction to American Government and Politics, or GSB 300, History of the United States; GSD 101, English Composition; GSD 117, 118, or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSE 100-114, 2 hours, Physical Education Activities; GSE 201, Healthful Living; one additional English course (GSC, GSD, or Departmental required).

Major Core Requirements: Accounting 221, Administrative Science 170 or Finance 305, Economics 214 or GSB 211 (see above), Marketing 304, Business Education 316, 317 and Secretarial and Office Specialties 101 a and b.

Requirements for major specializations: Specialization sequence courses: Typewriting sequence, BE 201, 202, 203, 351; Shorthand-transcription sequence, BE 221, 222, 223, 224, 352; Bookkeeping-Accounting sequence, Acct 221, 222, BE 355.

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

Dr. Marcia Anderson - Chairperson of Program Area

Department Telephone - 618-453-2620

Location: General Classrooms Building, Room 308

RECOMMENDED PROGRAM

BUSINESS EDUCATION
Non-Certification Business
Occupations Teaching
College of Education

This Business Education program provides students with the background to fulfill careers in these areas: (1) teaching the occupation in community colleges, private schools, or government sponsored educational program; (2) employment in the occupation; (3) employment in education or training divisions within a business.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 202	Introduction to Psychology	3	-
GSB 305	Personal Finance	-	3
GSC	Humanities (select) ¹	-	3
GSC 208	Elementary Logic	3	-
GSD 101	English Composition	3	-
GSD 118	Technical Writing	-	2
GSD 113	Introduction to Math	2	-
GSD 112 or 110	Statistics	-	2
GSD 152 or 153	Speech or Public Communications	-	3
GSE	Health and Physical Development	2	-
ACCT 221	Accounting I	-	3
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 211	Contemporary Economics	3	-
GSB 346	Consumer Choice and Behavior	3	-
GSC	Humanities (select) ¹	-	3
GSE	Health and Physical Development	-	2
ACCT 222	Accounting II	-	3
SCR 101A	Typewriting	3	-
GS	Electives	4	4
		<u>16</u>	<u>15</u>

¹Refer to the section General Studies for the Transfer Student.

Business Education (Non-Certification Business Occupations Teaching) As A Major

The student is required to complete 53 semester hours in a combination of general courses in business and in courses in one of these business concentrations: (1) office; (2) accounting; (3) data processing; (4) distributive. Work experience credit will be accepted in lieu of any of the business courses. Education requirements involve 22 semester hours in such course work as planning cooperative programs, working with adults, and specific methodology in teaching the business occupation.

Coordinator, Teacher Education Services
 Telephone - 618-536-2329
 Location - Wham Building, Room 108

The Department of Chemistry offers three concentrations in chemistry. The Bachelor of Science degree with certification by the American Chemical Society is recommended for those who wish to become professional chemists. The Bachelor of Arts degree involves less work in chemistry. This program is recommended to students who wish to complete a concentration in chemistry, but who plan on eventually going into other professional areas such as medicine, dentistry, etc.

The Bachelor of Science degree in Education is administered by the College of Education. It is provided for those who wish to become secondary school chemistry teachers.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212, 300, or 301	American Government or U.S. History	-	4
GSC	Humanities (select)2	3	-
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select)2	-	2
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development Activity	-	1
*Chem 224, 225	Introduction to Chemical Principles and Lab	7	-
Chem 226	Introduction to Quantitative Chemical Principles	-	5
or			
*Chem 222a,b	Introduction to Chemical Principles	(4)	(4)
*Math III	College Algebra and Trigonometry	5	-
		<u>18</u> (15)	<u>14</u> (13)
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)2	-	3
GSB 202	Introduction to Psychology	3	3
GSC	English elective in Humanities (select)2	3	-
GSC	Humanities (select)2	-	3
GSD 153	Public Communication	-	2
Math 150	Calculus I	4	-
Ed 201	Teacher's Role in Public School Education	1	-
Chem 226	If student has taken Chem 222a,b	5	-
or			
Chem 344	Organic Chemistry	4	-
Chem 345	Laboratory Techniques	2	-
Chem	Major Course	-	4
		<u>16</u> (17)	<u>15</u>

*Approved substitutes for General Studies.

1See also the program under College of Science.

2Refer to the section General Studies for the Transfer Student.

For specific major requirements see the Undergraduate Catalog.

Chemistry As A Major

To include the following required courses: GSB 202, Introduction to Psychology, GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental); Mathematics III, (or Mathematics 110).

Departmental substitutions in General Studies: For GSA 101 - Physics 203, 204, or 205; for GSA 106 - Chemistry 224; for GSA 107 - Chemistry 225; for GSD 107 (see above) - Mathematics III.

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

The Department of Chemistry and Biochemistry has a long and distinguished record for its programs at the undergraduate level. These courses are designed to give thorough training in theory and practice. Three undergraduate degrees are offered allowing a student to select a program best suited to his or her future goals.

The Bachelor of Science degree from the College of Science is for those who will prepare for graduate school or who plan to be professional chemists. Those completing this degree meet the certification requirements of the American Chemical Society.

The Bachelor of Arts degree, also from the College of Science, offers the student greater choice in selecting his or her program. One option gives the student the minimum preparation for graduate work in Chemistry or Biochemistry; another prepares for medicine, dentistry and other health sciences.

The Bachelor of Science in Education with a major in chemistry is administered by the College of Education.

A suggested beginning program for departmental majors is:

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Biol	Biological Sciences (not GSA) ¹	3	3
*Chem 224	General Chemistry and lab	7	-
Chem 226	Quantitative Analysis	-	5
GSD 101	English Composition	3	-
GSD 153	Public Communication	-	3
GSD 118	Technical Writing	-	2
Math III	College Algebra and Trigonometry ¹	5	-
Math 150	Analytic Geometry and Calculus ¹	-	4
		<u>18</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 344	Organic Chemistry	4	-
Chem 345	Laboratory Techniques	2	-
Chem 348 or 346	Organic Chemistry	-	2
Chem 349 or 347	Laboratory Technique	-	3
Math 250	Calculus II	-	3
*FL	(German Recommended) ¹	4	4
*Phys 205, 255	University Physics & Lab	4	4
GSB	Select ²	3	-
		<u>17</u>	<u>16</u>

*Approved substitutes for General Studies.

¹Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

²Refer to section General Studies for the Transfer Student.

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives, and on fulfilling remaining General Studies requirements. The B.S. in the College of Science requires a year of calculus based physical chemistry, a course in instrumental analysis and advanced courses from biochemistry, inorganic chemistry, organic chemistry or physical chemistry. The B.A. degree is somewhat less demanding and the available options allow a program to be tailored to the needs of the individual.

Chemistry As A Major

Our Faculty consists of 23 Ph.D.'s; our building is quite new, and our teaching equipment is modern. We take pride in the quality of professional training that is available to our students. Those who are interested in careers in research or college teaching will continue their education in an appropriate graduate school. Others may enter professional schools or select immediate employment in the industry. The chemist typically finds work in private or government laboratories, and his or her activities may be in research and development, sales, or analysis and control of manufacturing processes.

Dr. David Schmulbach - Chairperson
Departmental Telephone - 618-453-5721
Location - Neckers Building, Room 224

RECOMMENDED PROGRAM

CHILD AND FAMILY

(Program in - Preschool Directors and Teachers, Child Care Specialists in Social Services, Residential Life Directors and Supervisors)
Division of Human Development
College of Human Resources

Within a major in Child and Family, the curriculum offers specialization in Pre-School Programs. These courses offer basic background leading to position as nursery school director or teacher in private schools, colleges and universities and day care centers; director or teacher in residential living facilities for exceptional children; child care specialists with social, public health and welfare agencies; home economics extension specialists in child care; and recreational leaders.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	3
GSB 202	Introduction to Psychology	3	-
GSB 203	Introduction to Sociology	-	4
GSC	Humanities (select)	3	3
GSD 101	English Composition	3	-
GSD 117, 118, 119	English Composition	-	2
GSD 152	Speech	-	2
F&N	Fundamentals of Nutrition	3	-
		<u>15</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	-
*GSB 212	American Government	4	-
GSC	Humanities (select)	-	3
GSD 107	Basic College Mathematics	4	-
GSE	Health and Physical Development	1	1
C&F 227	Marriage and Family Living	3	-
C&F 237	Child Development	-	3
GSE	Health (select)	-	2
Elective		-	3
*Psyc 301	Child Psychology (Rec.)	-	3
		<u>15</u>	<u>15</u>

*Recommended electives.

Child And Family As A Major

No minor required.

Flexibility of program provides for specialization in the areas of direct care of children, teaching, and community development related services.

Graduate degree available.

Faculty have varied interests in Child Development/Family Relations - retardation, motivation of the child, sex education.

Excellent facilities - Child Development Laboratory with observation booth.

Dr. Michael Zunich - Division Executive Officer

Department Telephone - 618-536-5541

Location - Quigley Hall, Room 116F

RECOMMENDED PROGRAM

CHILD AND FAMILY
 (Program in - Preschool/Early
 Childhood Specialization)
 Division of Human Development
 College of Human Resources

The preschool early childhood specialization has been specifically designed to prepare future teachers of children under six and will lead to certification by the State of Illinois. This program is jointly offered by the Department of Curriculum, Instruction, and Media in the College of Education.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	3
GSB 202	Introduction to Psychology	3	-
*GSB 203	Introduction to Sociology	-	4
**GSC	Humanities (Art and Music are required)	3	3
GSD 101	English Composition	3	-
GSD 117 or 119	English Composition	-	2
GSD 152	Speech	-	2
F&N 100	Fundamentals of Nutrition	3	-
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	-
GSB 212	American Government	4	-
GSC	Humanities (select)	-	3
GSD 107	Basic College Mathematics	4	-
GSE	Health and Physical Development (Activity)	1	1
C&F 227	Marriage and Family Living	3	-
C&F 237	Child Development	-	3
GSE 201	Healthful Living	-	2
Elective		-	3
*Psyc 301	Child Psychology	-	3
		<u>15</u>	<u>16</u>

*Recommended elective.

**Under Humanities - Music 101 is to be substituted for GSC 100 for certification. Art may be GSC 101, 204, 205, or Art 100 or 348.

Flexibility of program provides for specialization in the areas of direct care of children, teaching, and community development related services.

Graduate degree available.

Faculty have varied interests in Child Development/Family Relations, retardation, motivation of the child, sex education.

Excellent facilities - Child Development Laboratory with observation booth.

Dr. Michael Zurich - Divisional Executive Officer
 Departmental Telephone - 618-536-5541
 Location - Quigley Hall, Room 116F

RECOMMENDED PROGRAM

CINEMA AND PHOTOGRAPHY
(Cinema and Photography
Specialization)
College of Communications and
Fine Arts

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	3	-
*C&P 310	History of Still Photography	3	-
*C&P 311	Contemporary Photography	-	3
*C&P 320	Basic Photography	4	-
*C&P 322	Color Photography	-	4
*C&P 350	The Film Industry	2	-
*C&P 351	Introduction to Motion Picture History/Theory	-	3
		<u>15</u>	<u>16</u>

¹ Refer to section General Studies for the Transfer Student.

*Requirements for Cinema and Photography specialization.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communication is available in cooperation with the department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance into certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
Department Telephone - 618-453-2365
Location - Communications Building, North Wing

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	3	-
*C&P 350	The Film Industry	2	-
*C&P 351	Introduction to Motion Picture History/Theory	-	3
*C&P 355	Film Production I	4	-
*C&P 356	Film Production II	-	4
C&P Electives	(select) ¹	3	3
		<u>15</u>	<u>16</u>

¹Refer to section General Studies for the Transfer Student.

*Requirements for Cinema - Film Production.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communication is available in cooperation with the Department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance into certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
Departmental Telephone - 618-453-2365
Location - Communications Building, North Wing

RECOMMENDED PROGRAM

CINEMA AND PHOTOGRAPHY
(Film History/Theory/Criticism)
College of Communications and
Fine Arts

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

First Year		Fall	Spring
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition ¹	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		16	17
Second Year		Fall	Spring
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	3	-
*C&P 350	The Film Industry	2	-
*C&P 351	Introduction to Motion Picture History/Theory	-	3
*C&P 355	Film Production I	4	-
*C&P 360	Film Analysis and Criticism	-	3
C&P Electives		4	4
		16	16

¹ Refer to section General Studies for the Transfer Student.

*Requirements for Film History/Theory/Criticism.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communication is available in cooperation with the Department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance to certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
Department Telephone - 618-453-2365
Location - Communications Building, North Wing

RECOMMENDED PROGRAM

CINEMA AND PHOTOGRAPHY
(Photojournalism Specialization)
College of Communications and
Fine Arts

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	3	-
*C&P 310	History of Still Photography	3	-
*C&P 311	Contemporary Photography	-	3
*C&P 320	Basic Photography	4	-
*Jrnl 310	Writing for the Mass Media	3	-
*Jrnl 311	Reporting and News Writing	-	3
Jrnl Elective		-	4
		<u>16</u>	<u>16</u>

¹ Refer to section General Studies for the Transfer Student.

*Requirements for Photojournalism Specialization.

See also Photojournalism under School of Journalism.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communication is available in cooperation with the Department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance into certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
Department Telephone - 618-453-2365
Departmental Location - Communications Building, North Wing

RECOMMENDED PROGRAM

CINEMA AND PHOTOGRAPHY
 (Professional Photography)
 College of Communications and
 Fine Arts

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition ¹	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	3	-
*C&P 310	History of Still Photography	3	-
*C&P 311	Contemporary Photography	-	3
*C&P 320	Basic Photography	4	-
*C&P 322	Color Photography	-	4
C&P Electives	(select) ¹	3	3
		<u>16</u>	<u>16</u>

¹ Refer to section General Studies for the Transfer Student.

*Requirements for Professional Photography.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communications is available in cooperation with the Department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance into certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
 Department Telephone - 618-453-2365
 Location - Communications Building, North Wing

RECOMMENDED PROGRAM

CINEMA AND PHOTOGRAPHY
(Still Photography - Fine Arts)
College of Communications and
Fine Arts

Cinema and Photography courses provide the undergraduate student with a substantial background in the history, theory, and practice of photographic communications. The six specializations are structured to make available a strong foundation for both professional and educational careers in film and photography, to explore the social implications of still and moving pictures, and to provide opportunity for the study of both cinema and still photography as media for personal expression. In all instances, programs are tailored to the interests and career plans of the individual student.

Six fields of specialization are available to the student in Cinema and Photography: Cinema, Cinema and Photography, Photojournalism, Still Photography (professional photography), Still Photography (Fine Arts), Film History/Theory/Criticism.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition ¹	3	-
GSD	Mathematics (select) ¹	-	4
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Speech or Public Communication (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	2	2
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GS Elective	From A, B or C (select) ¹	-	3
*C&P 310	History of Still Photography	3	-
*C&P 311	Contemporary Photography	-	3
*C&P 320	Basic Photography	4	-
*C&P 322	Color Photography	-	4
C&P Electives	(select)	3	3
		<u>16</u>	<u>16</u>

¹Refer to section General Studies for the Transfer Student.

*Requirements for Still Photography - Fine Arts.

Cinema And Photography As A Major

This department is recognized by national Photographic organizations as one of the leading departments in the country.

A grade of C is required in prerequisite courses and a 2.0 average must be maintained in cinema and photography courses in order to remain in the concentration.

No minor required. No foreign language required. A graduate degree in Public Visual Communications is available in cooperation with the Department of Radio-TV. New facilities opened in March of 1971.

Students must successfully complete the core requirements and portfolios and/or films must be submitted for entrance into certain courses.

Students purchase supplies for many cinema and photography courses. In courses which involve analysis and screening of a number of films, a screening fee is assessed. Lab fees may be required for certain other courses.

The University reserves the right to retain examples of the work of each student in each photography class and to make and retain prints of all films made as part of course work. Such photographs and films become part of a permanent departmental collection from which exhibitions may be prepared.

Dr. Peter Bukalski - Chairperson
Department Telephone - 618-453-2365
Location - Communications Building, North Wing

Programs of study in foreign languages leading to the Bachelor of Arts degree in the College of Liberal Arts (with or without teacher certification) are offered in Classical Studies, French, German, Russian, and Spanish.

Students majoring in a foreign language usually begin at the second or third-year level. The student who has completed two or more years of high school work in French, German, Russian, or Spanish may take a placement/proficiency exam.

In addition to the personal satisfaction and substantial growth in intellectual resources that come with mastery of a new language, there are numerous types of employment and career possibilities that are opened up by appropriate training in foreign languages. These can be classified as: 1) employment in non-language areas where language proficiency is a supporting factor, and 2) language-centered careers. Government agencies (federal, state, and many local), and businesses that have international dealings, employ great numbers of individuals on the basis of skills that are basically non-linguistic (scientists, engineers, librarians, social workers).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹	3	-
GSD	English Composition ¹ and one of I17, I18, or I19	3	2
*Lat I33a,b or Grk I30a,b or *Lat 201a,b or Grk 201a,b	Elementary Latin ³ or Greek ³	4	4
GSD	Intermediate Latin ³ or Greek ³	(3)	(3)
Elective ^{1,2}	Math (select) ¹	-	4
		2	-
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	3	-
GSD	Speech (select) ¹	2	-
*C1St 270	Greek Civilization	3	-
*C1St 271	Roman Civilization	-	3
GSE	Health and Physical Development (select) ¹	2	-
Elective ^{1,2}		3	3
Elective ^{1,2}		-	3
		<u>16</u>	<u>15</u>

*Counts in the 36 hour Classical Studies major requirement.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

³Proficiency exams can be taken in these courses.

Classical Studies As A Major

A major in Classical Studies consists of 36 semester hours in courses on all levels. Electives may be chosen from specified courses in the departments of Anthropology, Art, History, Philosophy, Political Science, and Religious Studies. A minor in Classical Studies consists of 15 semester hours.

NOTE: Foreign Language majors must satisfy College of Liberal Arts requirements. Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU-C.

Dr. Eugene Timpe - Chairperson
Department Telephone - 618-536-5571
Location - Faner Building, Room 2082

RECOMMENDED PROGRAM

CLOTHING AND TEXTILES
Apparel Design
 Division of Comprehensive
 Planning and Design
 College of Human Resources

The apparel design program in the Division of Comprehensive Planning and Design gives students training for design occupations either in an industrial setting or in a custom shop. Many careers in design-related businesses are also available to the graduate of this program. The variety of course offerings is outstanding, which provides the student with opportunity to develop individual skills and competencies.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 106, 107	Chemistry	-	4
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select)	-	2
Speech or Communications		2	-
GSE	Health and Physical Development (select)	2	-
Art 100	Basic Studio	4	4
GSD 107	Intermediate Algebra	4	-
GSC	Humanities (select)	-	3
Elective		-	3
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	3	-
GSC 205	Design	3	-
Art 200	Beginning Drawing	-	2
GSB 211	Comparative Economics	-	3
Art History		3	-
GSA	Science (select)	-	3
GSB	Social Studies (select)	-	3
GSC	Humanities (select)	3	-
GSE	Health and Physical Development (select)	-	2
GS Choice	Science, Social Studies, Humanities (select)	-	3
Elective		3	-
		<u>15</u>	<u>16</u>

Third and Fourth Year

If not completed at the junior college level, Chemistry and CT 127 (Clothing Construction) must be taken the first semester the transfer student is at SIU-C. Other courses taken during the last two years will include the professional apparel design courses within the department and electives.

This specialization is intended for the student interested in professional preparation in apparel design or allied design positions in either industrial or commercial fashion businesses. The courses available to the student cover textile information, fashion design, and skills required for developing original designs into patterns and completed garments. Courses in Clothing and Textiles are complemented by ones in art, business, and other areas in order to provide a suitable background for various career opportunities.

Dr. Wayne L. St. John - Divisional Executive Officer
 Telephone - 618-536-7741
 Location - Quigley Hall, Room 311 D

RECOMMENDED PROGRAM

CLOTHING AND TEXTILES
Retailing
Division of Comprehensive
Planning and Design
College of Human Resources

The retailing program at Southern Illinois University - Carbondale is offered through the Division of Comprehensive Planning and Design. Professional and free elective hours make it possible for the student to choose the courses of greatest personal value.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 106, 107	Chemistry	-	4
GSD 101	English Composition	3	-
Speech or Communications		2	-
GSD 117, 118 or 119	Writing (select)	-	2
GSE	Health and Physical Development (select)	2	-
GSD 107	Intermediate Algebra	4	-
GSC	Humanities (select)	3	3
GSB	Social Studies (select)	-	3
Elective		-	3
		<u>14</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Acct 210 or 211 (select one)		-	3
EDP 107, CS 202, or GSD 110 or 112	(select)	2-3	-
GSC 205	Design	3	-
GSB 202	Introduction to Psychology	3	-
GSB 211	Contemporary Economics	3	-
GSA	Science (select)	-	3
GSE	Health and Physical Development (select)	2	-
GS Choice	Science, Humanities or Social Studies (select)	3	-
Mktg 304	Marketing Management	-	3
Elective		3	3
		<u>16-17</u>	<u>15</u>

Third and Fourth Year

If not completed at the junior college level, chemistry should be taken the first semester the transfer student is at SIU-C. Other courses during the last two years will include additional work in marketing, administrative sciences and related business courses; core, electives and professional courses within the Clothing and Textiles Department; and elective hours. The retailing major should have some experience in a sales position before the junior year.

This specialization prepares the student for a profession in retail stores, either as buyers or department managers. Other related retailing positions which are also available to the student include personnel, training, inventory control, and security.

Dr. Wayne L. St. John, Divisional Executive Officer
Telephone - 618-536-7741
Location - Quigley Hall, Room 311

RECOMMENDED PROGRAM

COMPUTER SCIENCE - A
College of Liberal Arts
(Bachelor of Arts)

The Department of Computer Science now offers a new undergraduate program leading to the Bachelor of Arts degree. The curriculum will provide a student with broad undergraduate training in computer science and will also permit concentration in particular areas of interest. The program is designed to prepare students for advanced study in computer science and for employment in this expanding field.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
Math III	College Algebra and Trigonometry	5	-
Math 150	Calculus I	-	4
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹ or elective ²	-	3
GSD	English Composition ¹ and one of II7, II8, or II9	3	2
GSE	Health and Physical Development (select) ¹	2	-
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
CS 202	Introduction to Computer Programming	3	-
CS		-	4
Math 250	Calculus II	4	-
Math 221	Introduction to Linear Algebra	-	3
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD	Speech (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	-	2
		<u>15</u>	<u>15</u>

Requirements for a major in computer science are specified in two alternative forms. The program under Option A is the more flexible, broadly based, and provides preparation for a wide range of careers as well as for graduate training in computer science. Option B is more specifically oriented toward preparing a student for a career in business and management information processing.

CS 202 is a first course in programming using PL/I as a vehicle. CS 302, 314p, 314f are sequels to CS 202. CS 302 is an intensive assembly language programming course, 314p is a second course in PL/I and 314f is a first course in FORTRAN. CS 202 and 302 are required and CS 314p and 314f are electives. Normally the student will take 202 and at least one of the other courses in the student's sophomore year.

Mathematics courses: The basic calculus requirement for a CS major under Option A is 8 hours as defined by Math 150 and 250. These may be taken in the student's third year without retarding graduation but it is preferable that they be taken earlier. Math 251 is not required, it is a recommended elective. Note that a student with insufficient background may have to take a pre-calculus course such as Math III prior to taking Math 150.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Computer Science As A Major

The department offers courses covering the major areas of computer science. These courses constitute the basis for an undergraduate curriculum which prepares students for professional and technical careers in government and industry or for graduate work leading to advanced degrees. The curriculum includes such topics as programming, computer hardware and software systems, simulation, data management and computer applications to business and science. Students will be advised with respect to computer science courses by the department so that they may profitably pursue their academic and professional interests.

Dr. Ken Danhof - Chairperson
Department Telephone - 618-536-2327
Location - Faner 2126

RECOMMENDED PROGRAM

COMPUTER SCIENCE - B College of Liberal Arts (Bachelor of Arts)

The Department of Computer Science now offers a new undergraduate program leading to the Bachelor of Arts degree. The curriculum will provide a student with broad undergraduate training in computer science and will also permit concentration in particular areas of interest.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
Math II6	Finite Mathematics and Algebra ²	5	-
Math II7	Finite Mathematics and Calculus ²	-	4
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹ or elective ³	-	3
GSD	English Composition ¹ and one of II7, II8, or II9	3	2
GSE	Health and Physical Development (select) ¹	2	-
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
CS 202	Introduction to Computer Programming	3	-
CS		-	4
Eng 290 ₃	Intermediate Expository Writing	3	-
Elective ³		-	3
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD	Speech (select) ¹	2	-
GSE	Health and Physical Development (select) ¹	-	2
		<u>14</u>	<u>15</u>

Requirements for a major in computer science are specified in two alternative forms. The program under Option A is the more flexible, broadly based, and provides preparation for a wide range of careers as well as for graduate training in computer science. Option B is more specifically oriented toward preparing a student for a career in business and management information processing.

CS 202 is a first course in programming using PL/I as a vehicle. CS 302, 314p, 314f are sequels to CS 202. CS 302 is an intensive assembly language programming course, 314p is a second course in PL/I and 314f is a first course in FORTRAN. CS 202 and 302 are required and CS 314p and 314f are electives. Normally the student will take 202 and at least one of the other courses in the student's sophomore year.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Mathematics Courses: Option B is a combination of finite mathematics and intuitive calculus which require less technical prerequisites. The requirement may be satisfied by taking Math II6, II7 or Mathematics I39, I40, the choice depending on the student's background in mathematics.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Computer Science As A Major

The department offers courses covering the major areas of computer science. These courses constitute the basis for an undergraduate curriculum which prepares students for professional and technical careers in government and industry or for graduate work leading to advanced degrees. The curriculum includes such topics as programming, computer hardware and software systems, simulation, data management and computer applications to business and science. Students will be advised with respect to computer science courses by the department so that they may profitably pursue their academic and professional interests.

Dr. Ken Danhof- Chairperson
Department Telephone - 618-536-2327
Location - Faner 2126

RECOMMENDED PROGRAM

DESIGN

Division of Comprehensive
Planning and Design
College of Human Resources
(Bachelor of Arts)

The faculty and students of the Design Program are a part of the Division of Comprehensive Planning and Design.

Design is defined as devising innovative courses of action to change existing situations into preferred situations. This definition translated into the educational purpose of the Design program means that our prime responsibility is to develop within our participants generalized abilities to cope effectively with multi-faceted design problems.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	3
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	-	3
GSC 205	Design Innovation	3	-
GSD 101	English Composition	3	-
GSD 117, 118, 119	Writing (select)	-	2
GSD 152, 153	Speech (select one)	2	-
GSE	Health and Physical Development (select)	1	1
Des 102	Fundamentals of Design	-	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	-
GSB	Social Studies (select)	-	2
GSC	Humanities (select)	3	3
GSD 107	Fundamentals of Mathematics	4	-
GSE	Health and Physical Development (select)	1	1
Des 201	Survey of Design	5	5
Elective		-	3
		<u>16</u>	<u>15</u>

Third and Fourth Years

If not completed at the junior college level, GSC 205 should be taken the first semester the transfer student is at SIU-C. Other courses taken the last two years will include additional design core, professional preparatory and elective courses. Three options are available: product design, urban design and visual communications.

Product design prepares a student for careers designing a very broad range of items for a great diversity of uses, such as medical/therapeutic products, playground/recreational equipment, toys and games, and household artifacts.

Visual communications prepares a student to design a variety of items meant specifically to carry a message to the user/buyer. These items include such things as new letterheads and forms with logos for a corporation, point-of-sale displays and advertising, layout of proposals, brochures and annual reports, signage, and environmental communications.

Urban design prepares a student to work with architectural firms, city planning groups, government agencies such as HUD, and other organizations with a similar emphasis or interest.

Dr. Wayne L. St. John - Divisional Executive Officer
Telephone - 618-453-5761
Location - Building 0720

Following are the requirements for the Bachelor of Science degree with a concentration in early childhood education which meet the minimum requirements for a standard Elementary School Certificate.

In addition to general university and College of Education requirements, a student must meet all prerequisites to student teaching and should study the section in the Undergraduate Catalog which lists such requirements.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	2
GSC 101	Introduction to Art	3	-
GSD 101	English Composition	3	-
GSD 152	Interpersonal Communication	2	-
GSD 117	Expository Writing	-	2
GSE	Health and Physical Development (select) ¹	2	-
GSE 201	Healthful Living	-	2
CIM 213	Teacher's Role in Public School Education	-	1
E1Ed 203	Understanding the Elementary School Child	-	2
Fine Arts		-	3
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Introduction to Psychology	3	-
GSB 300 or 301	History of U.S.	-	3
GSC	Literature (select) ² (or English required)	3	-
Math 114	Algebraic and Arithmetic Systems	4	-
PE 202	Physical Activity for Children and Youth	3	-
Math 314	Math for Elementary Teachers	-	3
Mus 101	Music Fundamentals (or GSC) (select) ²	-	2
Language Arts	(select) ²	-	3
Electives		<u>3</u>	<u>3</u>
		<u>19</u>	<u>17</u>

¹See section on General Studies for the Transfer Student.

²Refer to University Catalog for detailed explanation of additional general education and departmental requirements.

Early Childhood Education (K-3) As A Major

Students who plan to teach grades K-3 should major in Early Childhood Education.

Students should also refer to the section in this handbook specifying the requirements for entrance into the Formal Teacher Education Program.

Dr. Donald Paige - Chairperson
Department Telephone - 618-453-2239
Location - Wham Building, Room 327

Coordinator of Teacher Education Services
Department Telephone - 618-536-2329
Location - Wham Building, Room 108

For the last decade educators have become increasingly aware of the importance of providing quality care and guidance for the preschool child. This program has been designed for persons interested in the education of children 0-6 years of age. It is offered jointly by the College of Education and the College of Human Resources. Students following this program will meet state certification requirements.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Introduction to Psychology	3	-
GSC 100	Music Understanding	2	-
GSC	Humanities (select) ¹	-	3
GSD 101	English Composition	3	-
GSD 117 or 119	Expository or Creative Writing	-	2
GSD 107	Intermediate Algebra	4	-
GSD	Speech (select) ¹	-	2
GSE	Health and Physical Development (select) ¹	-	2
GSE 201	Healthful Living	-	2
Elective		-	1
		15	15
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 212	American Government	-	4
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹ (English required)	2	2
C&F 227	Marriage and Family Living	3	-
C&F 237	Child Development	3	-
F&N 100	Fundamentals of Nutrition	-	3
Psyc 301	Child Psychology	-	3
Electives		1	3
		15	15

¹See section on General Studies for the Transfer Student.

Refer to the Undergraduate Catalog for additional information on this program.

Specific General Studies courses listed are required for this program.

For further information:

Coordinator of Teacher Education Services
 College of Education
 Telephone - 618-536-2329
 Location - Wham Building, Room 108

The Economics major consists of 32 semester hours. Of these, 14 hours are required courses. With 18 hours remaining, a student can specialize in one of the following areas: Comparative Systems, Economic Development, Economic History, Economic Theory, Econometrics, Human Resources, International Economics, Money and Banking, Political Economy, or Public Finance.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 112	Comparative Economics	3	-
GSB 211	Contemporary Economics	-	3
GSC	Humanties (select) ²	3	3
GSD 101	English Composition	3	-
GSD 113	Introduction to Mathematics	3	-
*GSD 110	Economics and Business Statistics	-	2
GSD 117	Expository Writing	-	2
GSE 201	Healthful Living	-	2
Ed 201	Teacher's Role in Public School Education	<u>1</u>	<u>-</u>
		16	15
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSB 212, 300 or 301	American Government or U.S. History	3	-
GSB 202	Introduction to Psychology	-	3
GSC	Humanities (select) ²	3	-
GSD 153	Public Communication	2	-
GSE	Physical Education	1	1
Econ 214 & 215	Macro and Micro Economics	3	3
Electives		<u>3</u>	<u>4</u>
		15	14

*Part of Economic major requirement. Economics 214 also satisfies part of GSB requirement.

¹See also the program under College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements, please refer to the section, General Studies for the Transfer Student.

Economics As A Major

The following specific General Studies courses are required for teacher certification. (These courses may be completed during the freshman and sophomore years): GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental).

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location Wham Building, Room 108

RECOMMENDED PROGRAM

ECONOMICS College of Liberal Arts (Bachelor of Arts)

The Economics major consists of 31 semester hours. Of these, 16 hours are required courses. With 15 hours remaining, a student can specialize in one of the following areas: Comparative Systems, Economic Development, Economic History, Economic Theory, Econometrics, Human Resources, International Economics, Money and Banking, Political Economy, Public Finance. The flexibility permitted by the electives available makes possible a program tailored to meet the needs of individual career preparation plans.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹	-	3
GSD	English Composition ¹ and one of II7, II8, or II9	3	2
GSD	Speech (select) ¹	-	2
GSD	Math (select) ¹	4	-
GSE	Health and Physical Development (select) ¹	2	-
Elective ^{1,2}		-	2
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
GSE	Health and Physical Development (select) ¹	2	-
GS (A,B,C)	(Select) ¹	-	3
*Econ 214 & 215	Introduction Macro and Micro	3	3
Elective ^{1,2}		4	6
		<u>15</u>	<u>15</u>

*Part of Economics major requirement. Economics 214 also satisfies part of GSB requirements.

¹To determine what courses may be taken to satisfy the general education requirements, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used in the following ways: 1) students may explore areas of interest or fulfill the requirements of the College of Liberal Arts (see College of Liberal Arts section); 2) arrange a program tailored to meet specific career objectives (students planning graduate study in economics are encouraged to take as much mathematics as possible).

Economics As A Major

Preparation for graduate study in economics, business, or in law school has long been a motivation for majoring in economics. In addition, specialists in economics are in increasing demand for both government and business employment.

Dr. Terry Foran - Chairperson
Department Telephone - 618-536-7746
Location - Faner Building 4121

Following are the requirements for the Bachelor of Science degree with a concentration in elementary education which meet the minimum requirements for a standard Elementary School Certificate.

In addition to general university and College of Education requirements, a student must meet all requirements pertaining to prerequisites to student teaching and should study the section in the Undergraduate Catalog which lists such requirements.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities, Fine Arts (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117	Expository Writing	-	2
GSD 152	Interpersonal Communications	2	-
GSE	Health and Physical Development	2	-
GSE 201	Healthful Living	-	2
Language Arts	(select) ²	-	3
Ed 201	Teacher's Role in Public School Education	- <u>16</u>	<u>1</u> <u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	2
GSB 202	Introduction to Psychology	3	-
GSB 300 or 301	History of U.S.	-	3
GSC	Literature (select) ² (or English required)	3	-
Math 114	Algebraic and Arithmetic Systems	3	-
GSE	Health and Physical Development (select) ^{1,2}	1	-
Math 314	Math for Elementary Teachers	-	2
Mus 101	Music Fundamentals (or GSC) (select)	-	2
Language Arts	(select) ²	-	3
GSB 212	Introduction to American Government and Politics	3	
General Elective	(select) ²	- <u>16</u>	<u>3</u> <u>15</u>

¹See section on General Studies for the Transfer Student.

²Refer to University Catalog for detailed explanation of additional general education and departmental requirements.

Elementary Education (K-9) As A Major

Students who plan to teach children from grades 1-9 and specifically grades 4-6 should major in Elementary Education.

All students should refer to the section in the handbook specifying the requirements for entrance into the Formal Teacher Education Program.

Dr. Donald Paige - Chairperson
Department Telephone - 618-453-2239
Location - Wham Building, Room 327

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

ENGINEERING

(Electrical Sciences & Systems Engineering Option)
 (Engineering Mechanics & Materials Option)
 (Thermal & Environmental Engineering Option)
 School of Engineering and Technology

Engineering is the profession in which a knowledge of the mathematical and natural sciences gained by study, experience, and practice is applied with judgment to develop ways to utilize, economically, the materials and forces of nature for the benefit of mankind.

The four-year undergraduate program leading to the Bachelor of Science degree in engineering is a modern, flexible curriculum fully accredited by the Engineers' Council for Professional Development (ECPD).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*Engr. 100	Graphics or Introduction to Engineering	3	-
GSB	Social Sciences (select) ^{1,2}	3	-
GSC	Humanities (select) ^{1,2}	3	3
*GSD 101, 118	English Comp. & Technical Report Writing ^{1,2}	3	2
GSE	Health and Physical Development (select) ^{1,2}	1	1
*Chem. 224, 225	Chemistry & Chemistry Laboratory ⁴	-	7
*Math 150, 250	Calculus and Analytic Geometry ³	4	4
		<u>17</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Engr. 222	Computational Methods for Engineers	2	-
*Engr. 260a,b	Mechanics of Rigid Bodies (Statics and Dynamics)	2	3
*GSA	Introductory Biology, Physiology, or Geology ²	3	-
GSB	Social Studies (select) ^{1,2}	-	3
GSC	Humanities (select) ^{1,2}	-	3
*GSD	Communications	2	-
*Math 251, 305	Calculus and Differential Equations	3	3
*Phys. 205, 255	Physics and Physics Laboratory ⁴	4	4
		<u>16</u>	<u>16</u>

*Required courses for a major in Engineering.

¹ Refer to section, General Studies for the Transfer Student, for general education requirements.

² Major requirements due to accreditation standards must include 16 hours of Humanities and Social Studies; 7 hours of oral and written communications and 18 hours of basic science.

³ Math 150 substitutes for GSD Math.

⁴ Chem 224 and Physics 205 and 255 are considered suitable substitutes for GSA credit.

Engineering As A Major

No foreign language required.

In recent years, engineers have been asked to assume responsibility for solving the complex problems of society, recognizing not only the technical aspects, but also the sociological implications of their decisions. The curriculum is designed to provide society with graduates who can cope with a variety of engineering activities such as design, development, testing, consulting, and applied research. These activities may be directed toward the solution of contemporary problems varying from design of devices to problems of an inter-disciplinary or complex-systems nature.

Transfer students from community colleges or other institutions should have strong backgrounds in the physical sciences, social sciences, and humanities. Students are encouraged to complete specific freshman and sophomore course requirements which include 3 hours of English Composition, 2 hours of Technical Writing; 2 hours of Speech; 8 hours of University Physics; 7 hours of Chemistry; 11-14 hours of Math, including Calculus; 5 hours of Analytical Mechanics (Statics and Dynamics); and 3 hours of Graphics or Introduction to Engineering. Calculus is a prerequisite for most junior-level courses.

The engineering program is designed to provide a basic foundation for the professional engineer. Students with Bachelor of Science degrees in Engineering will have an opportunity to specialize further at the graduate level.

Dr. James Smith (Electrical Sciences & Systems Engineering), Phone 618-536-2364

Dr. Philip Davis (Engineering Mechanics & Materials), Phone 618-536-2368

Dr. J. W. Chen (Thermal and Environmental Engineering), Phone 618-536-2396

The Engineering Biophysics program is a challenging, innovative program that leads to the Master of Science degree in engineering biophysics in only five years.

The first four years of study emphasize selected areas in the behavioral, engineering, life, mathematical, and physical sciences. At the end of this intensive four-year program you will receive the Bachelor of Science degree.

The fifth year of study emphasizes advanced aspects in the behavioral and life sciences and provides optimum flexibility in electives as well as practical biomedical experience. An internship at selected hospitals or laboratories of industry and government is a requirement for completing the graduate program and receiving the Master of Science degree.

With this degree you will be uniquely qualified to become a professional applied-scientist who can effectively bridge the communication gap between the physical sciences and the behavioral, life, and social sciences. Or you may choose to go to medical or dental school because this program offers flexibility, all the appropriate course requirements, and considerable background strength. You will also have the ability to move into a doctoral program at an institution where advanced degrees in biophysics or bioengineering science are offered. The student of engineering biophysics at SIU does not need to select his or her field of specialization until the junior year.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*FL	Foreign Language ¹	4	4
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Technical Report or Creative Writing	-	2
GSD 152 or 153	Speech	-	2 (3)
GSE 100 level	Activities (Physical Education)	1	1
*Math 111 or	College Algebra and Trigonometry ¹	5	-
*Math 110a,b	College Algebra and Trigonometry ¹	(3)	(2)
Math 150	Calculus I (if Math 111 is taken)	-	4
*Phys 204a,b and 254a,b	College Physics--Honors and Honors Lab ¹	4	4
*Phys 203a,b and 253a,b	College Physics and Lab ¹	(4)	(4)
EB 492	Colloquy in Engineering Biophysics	-	1
		<u>17</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Biol 305	Genetics - Classical and Molecular ¹	3	-
or			
*Zool 118	General Zoology	(3)	-
Math 250	Calculus II	4	-
Phys 205c	University Physics	3	-
*Chem 222a,b	Introduction to Chemical Principles	4	4
or			
*Chem 224, 225	Introduction to Chemical Principles and Lab	(7)	-
Botany 335	Methods in Genetics ¹	-	2
or			
*Botany 200,201	General Botany and Lab ¹	-	(4)
EEM (op. 2)	Electricity and Electromagnetism	-	4
EB 492	Colloquy in Engineering Biophysics	-	1
GSB 202	Introduction to Psychology	-	3
GSB 104	Man and His World - Anthropology	-	3
Elective	(if Chem 222a,b is taken)	3	-
		<u>17</u>	<u>17</u>

*Approved substitutes for General Studies

¹Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

Engineering Biophysics As A Major

The student will receive the Bachelor of Science degree upon satisfactory completion of four years of study. The student who continues study beyond the bachelor's degree will normally spend one academic year in residence to obtain the Master of Science degree. He or she will also be required to spend an additional three months in an internship which may be in a hospital, an industrial laboratory, or in an academic area of research on campus.

Requirements for the bachelor's degree may vary somewhat with the particular college in which the student is seeking the degree. The student may be admitted to the colleges or schools of science, liberal arts, communications, or others by arrangements.

The University supports a data processing and computer center. It also has research shops for electronics, fine instruments, large equipment, and glassblowing. Essential instruments are available for the superior training of an engineering biophysicist. Laboratories are modern and well equipped. They are located in two life sciences buildings, communications building, physical science building, and an engineering and technology building.

The balanced laboratories and classrooms are supported by the impressive Morris Library which contains over 1,400,000 volumes. It also houses the comprehensive science library of more than 100,000 books and 110,000 bound periodicals.

Harold Kaplan - Director
Telephone - 618-536-2143
Location - Life Science I, Room III

RECOMMENDED PROGRAM

ENGINEERING TECHNOLOGY

(Civil)

(Electrical)

(Mechanical)

School of Engineering and
Technology

Engineering Technology is that part of the technological field which requires the application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities; it lies in the occupational spectrum between the craftsman and the engineer at the end of the spectrum closest to the engineer.

All curricula in Engineering Technology are accredited by the Engineers' Council for Professional Development. These include the Civil Engineering Technology, Electrical Engineering Technology, and Mechanical Engineering Technology curricula.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 140a	Chemistry	-	4
GSB	Social Science (select)	3	3
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
GSE 118	Health (select)	2	-
ET 103, 104	Engineering Drawing ²	3	3
Math III	Elementary Functions ²	5	-
Math 150	Calculus I	-	4
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	-	3
GSC	Humanities (select)	-	3
GSD 153	Public Communications	2	-
ET 245a	Electrical Systems	-	3
ET 260a,b	Mechanics	4	3
Math 250	Calculus II	4	-
Phys. 203a,b	Physics ³	3	3
Phys. 253a,b	Physics ³	1	1
Engr. 222	Computer Programming	2	-
		<u>16</u>	<u>16</u>

Third and Fourth Year

The last two years of a student's program concentrate on specialized objectives. The student will complete an additional 54 hours (including technical and other electives) in his or her major specialization plus six more hours of general studies for a total of 124 semester hours.

¹ Student specializing in Civil Engineering Technology will substitute ET 202 for ET 104.

² Math III substitutes for GSD Math.

³ Physics 203 and 253 may be counted as GSA credit.

Engineering Technology As A Major

No minor required. No foreign language required.

The amount of transfer credit (including occupational-technical credit) which can be applied to this program depends upon the nature of the credit to be transferred and the specific area requirements. The technology curricula are flexible enough to provide the means whereby graduates of two-year occupational programs can obtain a bachelor of science degree in a minimum length of time.

For the bachelor's degree the recommended guidelines in a specific subject matter area provide for a minimum of 23 semester hours of mathematics and basic science, 23 semester hours of communications, humanities, and social studies, and 45 semester hours of technical science and technical specialty courses.

Employment opportunities for graduates with B.S. degrees in Engineering Technology are excellent. Graduates are employed in the communications industries, electronic and electrical industries; by railroads and consulting firms; by federal, state, and local agencies; in the power and energy industries, in machinery manufacturing companies, and in many other areas.

Dr. Leon Dunning - Chairperson
Department Telephone - 618-536-3396
Location - Technology Building, Room D-109

RECOMMENDED PROGRAM

ENGLISH¹
College of Education

The English Education major is designed to give the student a thorough background in composition, language, and literature. The various forms of English, American and world literature, contemporary and historic, are studied. The undergraduate major is preparatory for teaching at the secondary level, graduate study, or positions requiring effective communication of ideas.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB 300	History of the United States	3	-
GSB 202	Introduction to Psychology	-	3
GSC	Humanities (select) ²	3	3
GSD 101	English Composition	3	-
GSD 117	Expository Writing	-	2
GSD 107	Intermediate Algebra	-	4
GSE	Health and Physical Development	2	-
Ed 201	Teacher's Role in Public School Education	-	1
Electives ³		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Studies (select) ²	-	3
GSC	Humanities (select) ²	-	3
GSD 153	Public Communication	2	-
GSE 201	Healthful Living	2	-
Eng 209	Introduction to Forms of Literature	3	-
Electives ³		<u>5</u>	<u>6</u>
		<u>15</u>	<u>15</u>

¹See also the program under the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used in the following ways: (1) students may explore areas of interest; (2) they may select a minor.

English As A Major

The following specific General Studies courses are required for teacher certification (these courses may be completed during the freshman and sophomore years): GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics, or GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118 or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; and one additional English course (GSC, GSD or departmental).

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

ENGLISH

Specialization I: Teacher Education¹
College of Liberal Arts

The major in English may be pursued through the College of Liberal Arts or the College of Education if you are considering teaching English in secondary schools as a profession. The program is designed to give the student a thorough background in composition, language, and literature. The various forms of English, American and world literature, contemporary and historic, are studied. The undergraduate major is preparatory for teaching, graduate study, or positions requiring effective communication of ideas.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Science (select) ²	3	3
GSC	Humanities (select) ²	3	-
GSD	English Composition ² and one of II7, II8 or II9	3	2
GSD	Speech (select) ²	-	2
GSD	Math (select) ²	-	4
GSE	Health and Physical Development (select) ²	2	2
Elective ^{2,3}		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Science (select) ²	3	-
GSC	Humanities (select) ²	3	3
Eng Lit		3	-
Amer Lit		-	3
Elective ^{2,3}		3	3
Elective ^{2,3}		-	3
		<u>15</u>	<u>15</u>

¹See also the program under the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

English As A Major

The student who wishes to declare English as a concentration should consult the department's director of undergraduate programs as soon as he or she knows he or she will major in English. If possible, transfer students should contact a departmental advisor before their first registration at SIU-C.

Students interested in this program should make themselves aware of the requirements for entering the Teacher Education Program, explained elsewhere in this text. The Department of English requires a 2.50 G.P.A. in the major and successful ("C" or better) completion of English 300, Introduction to Language Analysis, for recommendation to Unconditional Status in the Teacher Education Program.

Any of the English options may be modified by entry into the departmental honors program.

Dr. Robert Partlow - Chairperson
Department Telephone - 618-453-5321
Location - Faner 2370

RECOMMENDED PROGRAM

ENGLISH

Specialization II: General
Education, Non-Teacher
Education
College of Liberal Arts

This specialization in English is designed for the student who desires a broadly based general education leading to a Bachelor of Arts degree with a concentration in English, American and world literatures, with study in the various forms of literature, contemporary and historic. This specialization is preparatory for graduate study and positions requiring effective communication of ideas, such as in publishing.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹ or elective ²	3	-
GSD	English Composition ¹ and one of II7, II8 or II9	3	2
GSD	Speech (select) ¹	-	2
GSD	Math (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	2	2
Elective ^{1,2}		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
Eng Lit		3	-
Amer Lit		-	3
Elective ^{1,2}		3	3
Elective ^{1,2}		-	3
		<u>15</u>	<u>15</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

English As A Major

A major goal of this particular specialization is to educate students to read precisely with insight and understanding and to know the history, the artistry, and the humane values of our linguistic and literary heritage.

The student who wishes to declare English as a concentration should consult the department's director of undergraduate programs as soon as he or she knows he or she will major in English. If possible, transfer students should contact a departmental advisor before their first registration at SIU-C.

Any of the English options may be modified by entry into the departmental honors program.

Dr. Robert Partlow - Chairperson
Department Telephone - 618-453-5321
Location - Faner 2370

RECOMMENDED PROGRAM

ENGLISH

Specialization III: For Those
Intending Graduate Study
College of Liberal Arts

If you have an excellent undergraduate record, a taste for literary analysis and criticism, and a desire to teach young adults rather than adolescents, you might want to consider college teaching as a career. This specialization, which allows a great deal of flexibility in choosing upper-division courses, is specifically designed for the student planning to attend graduate school. The program is designed to give the student a thorough background in composition, language, and literature, both contemporary and historic.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹ or elective ²	3	-
GSD	English Composition ¹ and one of I17, I18 or I19	3	2
GSD	Speech (select) ¹	-	2
GSD	Math (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	2	2
Elective ^{1,2}		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
Eng Lit		3	-
Amer Lit		-	3
Elective ^{1,2}		3	3
Elective ^{1,2}		-	3
		<u>15</u>	<u>15</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

In addition to the work in the Department of English, all students who choose this particular specialization two years of a foreign language, or equivalency is recommended.

English As A Major

A major goal of this particular specialization is to educate students to read precisely with insight and understanding and to know the history, the artistry, and the humane values of our linguistic and literary heritage.

The student who wishes to declare English as a concentration should consult the department's director of undergraduate programs as soon as he or she knows he or she will major in English. If possible, transfer students should contact a departmental advisor before their first registration at SIU-C.

Any of the English options may be modified by entry into the departmental honors program.

Dr. Robert Partlow - Chairperson
Department Telephone - 618-453-5321
Location - Faner 2370

RECOMMENDED PROGRAM

ENGLISH
 Specialization IV: Creative
 Writing
 College of Liberal Arts

Students who wish to pursue and refine an interest in literature and language through their creative abilities may choose this specialization. The equivalent of seven courses, beyond the core curriculum required of all English majors, are offered on-campus, culminating in a senior writing project--a directed written project such as a collection of short stories or poems, a novel or a play. All instructors of these courses are people who have published their own creative writing and the major thrust of the work will be toward publication. An alternative to the senior project may be an internship in a publishing firm if appropriate arrangements can be made.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹ or elective ²	3	-
GSD	English Composition ¹ and one of II7, II8 or II9	3	2
GSD	Speech (select) ¹	-	2
GSD	Math (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	2	2
Elective ^{1,2}		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
Eng Lit		3	-
Amer Lit		-	3
Elective ^{1,2}		3	3
Elective ^{1,2}		-	3
		<u>15</u>	<u>15</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

English As A Major

Students interested in the creative writing specialization are strongly urged to confer with the director of undergraduate programs in English as soon as possible. The unique design of this specialization requires a great deal of advisement and consultation in order to insure that students go through the proper sequence of courses. If possible, transfer students should contact a departmental advisor before their first registration at SIU-C.

Any of the English options may be modified by entry into the departmental honors program.

Dr. Robert Partlow - Chairperson
 Department Telephone - 618-453-5321
 Location - Faner 2370

RECOMMENDED PROGRAM

ENGLISH
Specialization V: Pre-Professional
College of Liberal Arts

This specialization in English is designed for the student who has interest in refining his or her composition and language abilities in order to prepare for work in such fields as law, business, government, publishing, etc. The program may be particularly attractive to the pre-law student in its emphasis on language and communication. Courses in literature are included for the refinement of the student's language awareness, especially analysis.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	3	3
GSC	Humanities (select) ¹	3	-
GSD	English Composition ¹ and one of I17, I18 or I19	3	2
GSD	Speech (select) ¹	-	2
GSD	Math (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	2	2
Elective ^{1,2}		-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
Eng Lit		3	-
Amer Lit		-	3
Elective ^{1,2}		3	3
Elective ^{1,2}		-	3
		<u>15</u>	<u>15</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

English As A Major

The specific goals of this specialization are to educate students to write clearly and effectively, to read with precision and awareness and to refine the student's awareness of the human values of our linguistic and literary heritage and environment.

The student who wishes to declare English as a concentration should consult the department's director of undergraduate programs as soon as he or she knows he or she will major in English. If possible, transfer students should contact a departmental advisor before their first registration at SIU-C.

Any of the English options may be modified by entry into the departmental honors program.

Dr. Robert Partlow - Chairperson
Department Telephone - 618-453-5321
Location - Faner 2370

RECOMMENDED PROGRAM

FAMILY ECONOMICS AND MANAGEMENT
 (Consumer Services in Business
 Option)
 Division of Human Development
 College of Human Resources

This specialization prepares students for professional opportunities in consumer affairs in industry and government. Special emphasis is placed on the role of the consumer in the marketplace and the consumer's relationship to private enterprise and government agencies. A key focus of the program is the application of concepts and the critical analysis of problems and issues affecting the consumer's interests and choices.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	-	3
*GSB 202	Introduction to Psychology	-	3
*GSB 211	Contemporary Economy	-	3
GSC	Humanities (select)	3	-
GSD 101 and 117, 118 or 119	English Composition	3	2
GSD	Oral Communication (select)	2	-
GSD 107	Intermediate Algebra	4	-
GSE	Health and Physical Development (select)	1	1
Accounting	(suggested elective)	-	3
Elective		3	-
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	3
*GSB 203	Sociological Perspective	3	-
GSC	Humanities (select)	3	3
GSE	Health and Physical Development (select)	1	1
Electives		3	6
		<u>13</u>	<u>13</u>

Third and Fourth Years

The last two years of a student's program concentrate on specialized objectives and departmental requirements. Emphasis is toward completion of advanced Family Economics and Management courses which include FE&M 240, 330, 340, 341, 350, 370, 445, 494, 499.

*Required General Studies.

Students develop competencies in resource management and ability to work with and understand consumer problems at all socio-economic levels with regard to housing and equipment and other consumer goods.

Graduates are prepared to work with a social service agency in helping families or to work for utility companies, government (FTC, FDA).

Dr. Michael Zunich - Divisional Executive Officer
 Telephone - 618-536-5541
 Location - Quigley Hall, 4th Floor

RECOMMENDED PROGRAM

FAMILY ECONOMICS AND MANAGEMENT
(Family Service Consultant Option)
Division of Human Development
College of Human Resources

This specialization is designed to give students a knowledge and understanding of the family's management and allocation of resources. This option prepares students for employment in public and private welfare agencies, cooperative extensions and local government and other programs. The low-income family is of particular interest in this specialization. Elective courses should reflect the student's personal employment goals. The program is tailored to meet the theoretical as well as applied, concepts in preparing students to serve individuals and families of various ages, physical abilities, and income levels.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 209	Principles of Physiology	3	-
*GSA 202	Introduction to Psychology	-	3
*GSB 203	Sociological Perspective	-	3
GSC	Humanities (select)	3	-
GSD 101 and 117, 118 or 119	English Composition	3	2
GSD	Oral Communication (select)	2	-
GSD 107	Basic College Mathematics	4	-
GSE	Health and Physical Development	1	1
Electives		-	6
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	3	3
*GSB 211	Political Economy	-	3
GSC	Humanities	3	3
GSE	Health and Physical Development (select)	1	1
Electives		9	6
		<u>16</u>	<u>16</u>

Third and Fourth Year

Studies during the third and fourth years emphasize departmental requirements and advance courses in Family Economics and Management. Courses included during the third and fourth years include FE&M 240, 330, 340, 350, 370, 494, 499. In addition, students will take courses in Child and Family, Clothing and Textiles, Food and Nutrition, and Social Welfare.

*Required General Studies.

No minor required. No foreign language required.

Program objective is to develop competencies in resource management and ability to work with and understand consumer problems at all socio-economic levels with regard to housing and equipment and other consumer goods.

Dr. Michael Zunich - Divisional Executive Officer
Telephone 618-536-5541
Location Quigley Hall, 4th Floor

RECOMMENDED PROGRAM

FINANCE

(Financial Management Option)
(Financial Institutions Option)
College of Business
& Administration

The financial implications of decisions in both business and government are daily becoming more complex. Within the firm, financial considerations permeate the central decisions of research, engineering, production and marketing. Within governmental activities, sophisticated financial techniques are becoming increasingly important. The financial executive thus takes a key role in the successful management of both business and governmental operations.

The finance curriculum offers two areas of specialization to meet the varied interest of the students: (1) financial management and (2) financial institutions. The financial management program provides the background for a career in the financial operations of business firms and public institutions. The financial institutions specialization is designed for those interested in the operations of financial intermediaries and financial markets.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics and Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics and Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Acct 221, 222	Financial Accounting	3	3
*ADSC 208	Business and Economic Statistics	4	-
*CS 212 or EDP 217	Fortran Programming	-	3
*Econ 214, 215	Economics, Macro and Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical and Health Education ¹	-	2
GS- ---	General Studies Electives	-	4
		<u>15 (16)</u>	<u>15</u>

*Required course for a major in Finance.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Finance As A Major

Neither minor nor foreign language required.

Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

Dr. Donald E. Vaughn, Chairperson
Department Telephone - 618-453-2459
Location - General Classrooms Building, Room 214

RECOMMENDED PROGRAM

FOOD AND NUTRITION

(Dietetics)

Division of Human Development
College of Human Resources

These courses give a strong scientific education to those interested in becoming dietitians in hospitals, college dormitories, industrial plants, health clinics, laboratories, or public health and welfare organizations. They meet the requirements of the American Dietetics Association.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Biology	3	-
*GSB 202	Psychology	-	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 152	Speech (or Alternate)	-	2
GSE	Health and Physical Development ²	1	-
*Chem 140a	Organic and Inorganic Chemistry ²	-	4
*C&F 237	Child Development	-	3
*FN 100	Fundamentals of Nutrition	3	-
*FN 156	Fundamentals of Foods	3	-
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 209	Physiology	3	-
*GSB 211	Economics	3	-
*GSB 104	Anthropology ³	-	3
GSC	Humanities (select) ¹	-	3
*GSD 118	Technical Report Writing	2	-
*GSD 107	Intermediate Algebra	-	4
GSE	Health and Physical Development	2	1
*GSD 112	Basic Concepts - Statistics	2	1
*Chem 140b	Organic and Biological Chemistry	-	4
*F&N 256	Science of Food	3	-
		<u>15</u>	<u>15</u>

Third and Fourth Year

The last two years of a student's program concentrates on nutrition, food service systems, diet therapy, and experimental foods.

*Required courses for a major in Food and Nutrition (Dietetics).

¹A minimum of 9 semester hours representing three different departments/disciplines required. Within Areas A, B, and C -- a total of 30 semester hours is required.

²Chemistry 140a counts as GSA credit.

³Or may select GSB 203-4, The Sociological Perspective.

Food And Nutrition As A Major

Very close faculty-student counseling; on-going research program; outstanding faculty; and an active student council are provided.

No minor or foreign language is required.

The Department maintains close contact with employers and assists students in finding internships, traineeships, and permanent positions.

Dr. Michael Zurich, Divisional Executive Officer
Telephone - 618-536-5541
Location - Quigley Hall, Room 207

RECOMMENDED PROGRAM

FOOD AND NUTRITION
(Food and Lodging Systems
Management)
Division of Human Development
College of Human Resources

These courses prepare students for positions as food systems managers for restaurants, hotels, school food service, public and private lodging facilities, airlines, industrial feeding, resorts, institutions, hospitals and clubs. They meet the requirements as set forth by industry, the Council of Hotel, Restaurant, and Institutional Education, and the National Restaurant Association. Through this program in the hospitality field, transfer students from community colleges also will be able to complete their baccalaureate degrees.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Biology	3	-
*GSB 202	Psychology (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 152	Speech (or Alternate)	-	2
GSE	Health and Physical Development ²	2	2
*Chem 140a	Inorganic and Organic Chemistry ²	-	4
*FN 100	Fundamentals of Nutrition	2	-
*FN 156	Fundamentals of Foods	3	-
*FN 256	Science of Food	-	3
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 209	Physiology	3	-
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	-	3
GSD 107	Intermediate Algebra ³	-	4
GSD 117, 118, or 119	English	2	-
*Acct 221	Accounting I	3	-
*Acct 222	Accounting II	-	3
*Fin 271	Business Law I	3	-
*FN 335	Meal Management	-	2
		<u>14</u>	<u>15</u>

Third and Fourth Year

The last two years of a student's program concentrates on courses in food service systems, administrative sciences, and marketing.

*Required courses for a major in Food and Nutrition (Food and Lodging Systems Management).

¹A minimum of 9 semester hours representing three different departments/disciplines required. Within Areas A, B, and C -- a total of 30 semester hours is required.

²Chemistry 140a counts as GSA credit.

³May also take 4 hours from GSD 113-2 and either GSD 110-2 or 112-2.

Food And Nutrition As A Major

Very close faculty-student counseling; on-going research program; outstanding faculty; and an active student council are provided.

No minor or foreign language is required.

The Department maintains close contact with employers and assists students in finding internships, traineeships, and permanent positions.

Dr. Michael Zunich, Divisional Executive Officer
Telephone - 618-536-5541
Location - Quigley Hall, Room 207

RECOMMENDED PROGRAM

FOOD AND NUTRITION
(Food and Nutrition Science)
Division of Human Development
College of Human Resources

These courses give a strong scientific education to those interested in preparing for graduate study in food, nutrition or related discipline; for research in university, industrial or governmental laboratories; or for educational and promotional work in industry or public health organizations.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Biology	3	-
*GSB 202	Psychology (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 152	Speech (or Alternate)	-	2
GSE	Health and Physical Development	-	2
*FN 100	Fundamentals of Nutrition	2	-
*FN 156	Fundamentals of Foods	3	-
*FN 256	Science of Food	-	3
Math 110a	College Algebra and Trigonometry ³	-	3
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 209	Physiology	3	-
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	-	3
GSD 117, 118	English	2	-
Math 110b	College Algebra and Trigonometry ³	2	-
GSE	Health and Physical Development	2	-
*Chem 222a	Introductory Chemistry ²	4	-
*Chem 222b	Chemistry	-	4
*Psys 211	Research Methods	-	4
		<u>16</u>	<u>14</u>

Third and Fourth Year

The last two years of a student's program concentrate on chemistry, nutrition, and microbiology.

*Required courses for a major in Food and Nutrition (Food and Nutrition Science).

¹A minimum of 9 semester hours representing three different departments/disciplines required. Within Areas A, B, and C -- a total of 30 semester hours is required.

²Chemistry 222a counts as GSA credit.

³Math 110a and 110b counts as GSD 107 credit.

Food And Nutrition As A Major

Very close faculty-student counseling; on-going research program; outstanding faculty; and an active student council are provided.

No minor or foreign language is required.

The Department maintains close contact with employers and assists students in finding internships, traineeships, and permanent positions.

Dr. Michael Zurich, Divisional Executive Officer
Telephone - 618-536-55413195
Location - Quigley Hall, Room 207

RECOMMENDED PROGRAM

FOREIGN LANGUAGES (TEACHING)
(French, German, Latin,
Russian, Spanish)
College of Education

Major concentrations leading to the Bachelor of Science degree are offered in French, German, Latin, Russian, and Spanish. Courses are also offered in Chinese, Classical Greek, Italian, Portuguese, Serbo-Croatian, and Vietnamese. (Serbo-Croatian and Vietnamese are offered in cooperation with the Department of Linguistics, etc.). Programs offered in foreign languages can be preparatory for graduate study, teaching, or other positions requiring the ability to speak, read, understand, and interpret foreign languages. The federal government provides opportunities for individuals with such skills.

Many graduates with foreign language skills can find interesting opportunities with private industry, foreign news bureaus, airlines, and travel agencies as well. In addition, university and research institute libraries, and social work agencies offer varied work situations for people with foreign language facility.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 300 or 301	History of U. S.	3	-
GSB 202	Introduction to Psychology	-	3
GSD 101	English Composition	3	-
GSD 107	Intermediate Algebra	-	4
GSD 117	Expository Writing	-	2
GSE	Health and Physical Development (select) ¹	2	-
FL ³	Elementary French, German, Spanish, or Russian	4	-
FL	Continue above	-	4
Ed 201	Teacher's Role in Public School Education	-	1
		<u>15</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	-	3
GSC	English elective in Humanities (select) ¹	3	-
GSC	Humanities (select) ¹	2	3
GSD 153	Public Communication	-	2
GSE 201	Healthful Living	2	-
FL	Intermediate French, German, Russian, or Spanish	4	-
FL	Intermediate Continued	-	4
Elective		2	-
		<u>16</u>	<u>15</u>

¹Refer to section General Studies for the Transfer Student.

Courses required for certification include GSB 202; GSB 212 or GSB 300 or 301; GSD 101; GSD 117, 118, or 119; GSD 153; GSE 100-114 (2 hours); GSE 201; one additional English course from GSC, GSD, or department.

Language As A Major

Students interested in majoring in any of the offered languages should be aware of the requirements for entrance into the Teacher Education Program.

No minor is required. However, minors are available in Chinese, Greek, Latin, East Asian Civilizations, Italian, and Japanese.

Graduate degrees are available.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

Dr. Eugene Timpe, Chairperson, Foreign Languages
Telephone - 618-536-5577
Location - Faner 2166

RECOMMENDED PROGRAM

FORESTRY
(Forest Environmental Assessment)
School of Agriculture

The forest environmental assessment option provides training in the assessment of the impact of forestry practices on the environment. Graduates of this program, after assessing alternative forest practices, are able to prescribe procedures for best preserving a healthy forest ecosystem.

This option features, during the summer following the junior year, a special field study course in which case studies are utilized to illustrate the preparation of environmental impact statements.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Bot 200 & 201 ¹	General Botany with Lab	4	-
Chem 140a & b ¹	Inorganic/Organic	4	4
Zool 118	General Zoology	-	4
GSC	Select ²	3	3
GSD 101 ³	English Composition	3	-
Math 140 ³	Calculus	-	4
GSE	Select ²	1	2
For 200	Introduction to Forestry	2	-
		<u>14</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Biol 307 ¹	Environmental Biology	3	-
Ag 204	Ag Economics	3	-
GSB	Sociology or substitute	3	-
GSC	elective	3	-
GSD 153	Speech	-	3
Math 283 ³	Statistics	-	3
For 201 & 202	Dendrology with Lab	4	-
For 240	Soil Science	-	4
GSB 212	Government	-	4
For 311	Photogrammetry	-	3
		<u>16</u>	<u>17</u>

Third and Fourth Year

Students concentrate on courses in forestry and associated areas to gain the competence required to analyze and assess the environmental impact of forest management systems. Field work in environmental impact assessments is included.

¹Satisfies GSA requirements.

²To determine what courses may be taken to satisfy the general education requirements for this major, please refer to the section, General Studies for the Transfer Student.

³Satisfies GSD requirements.

⁴Satisfies GSB requirements.

Forestry As A Major

Available to the Department of Forestry for teaching and research are the following: the Crab-Orchard National Wildlife Refuge; the Shawnee National Forest; the Union State Tree Nursery and Forest; many state parks and conservation areas, and the Kaskaskia Experimental Forest, together comprising several hundred thousand acres of forest land, all in the vicinity of the University. Also accessible for wood utilization teaching and research is a modern wood products plant located at the Vocational-Technical Institute east of Carbondale. The Southern Illinois University Experimental Forest and Giant City State Park provide additional facilities for teaching and research, especially during the spring camp. In addition, 30 staff members of the U. S. Forest Service Carbondale Research Center are affiliated with the Department of Forestry and help to enrich the University's forestry program.

Dr. Howard A. Spalt, Chairperson
Departmental Telephone - 618-453-3341
Location - Agriculture Building 184

RECOMMENDED PROGRAM

FORESTRY
(Forest Resources Management
Option)
School of Agriculture

Foresters are essential people in this era of environmental awareness. The forester is responsible for protecting and preserving our country's proudest heritage nearly 750,000,000 acres of forestland. The forester must supply materials to the forest products industry, a 30 billion dollar giant with 1,500,000 employees.

The forester has an enormous task: to make the forest grow and see that forests are wisely used; to appreciate the beauty, physical and spiritual, of the outdoors; be competent in technical forestry skills, comprehend the functioning of the forest ecosystem, and yet be aware of the social influences and needs of the people. The forester is a decision maker of the top order.

The program in forest resources management includes instruction leading to careers in forest management and production, multiple use resource management, and the forest products industries. The specialization includes areas of study recommended by the Society of American Foresters. Emphasis is upon integrated resource management of natural and renewable resources, coordinating forest utilization methods and conservation practices, and preserving our wildlands heritage. A five-week session (Field Study) is required after the junior year to give the student practical field experience.

First Year		Fall	Spring
Bot 200 & 201 ¹	General Botany with Lab	4	-
Chem 140a & b ¹	Inorganic/Organic	4	4
Zool 118 ¹	General Zoology	-	4
GSC	Select ²	-	3
Math 140 ³	Calculus	-	4
GSD 101	English Composition	3	-
GSE 101A	Swimming	1	-
GSE	Select ²	1	-
For 200	Introduction to Forestry	1	-
		14	15
Second Year		Fall	Spring
Biol 307 ¹	Environmental Biology	3	-
GSB	Sociology or substitute	3	-
GSB	Political Science or substitute	-	3
GSC	Select ²	-	6
GSD 118	Technical Writing	2	-
GSD 153 ³	Public Communication	-	3
Math 283 ³	Statistics	3	-
For 201 & 202	Dendrology with Lab	4	-
For 240	Soil Science	-	4
		15	16

Third and Fourth Years

Study is concentrated in a series of forestry and related areas which enable the student to develop professional competencies in the management of forest resources. Students gain experience with field applications of professional skills during a five week early summer session immediately following the junior year.

¹Satisfies GSA requirements.

²To determine what courses may be taken to satisfy the general education requirements for this major, please refer to the section, General Studies for the Transfer Student.

³Satisfies GSD requirements.

⁴Satisfies GSB requirements.

Forestry As A Major

Available to the Department of Forestry for teaching and research are the following: the Crab-Orchard National Wildlife Refuge; the Shawnee National Forest; the Union State Tree Nursery and Forest; many state parks and conservation areas, and the Kaskaskia Experimental Forest, together comprising several hundred thousand acres of forest land, all in the vicinity of the University. Also accessible for wood utilization teaching and research is a modern wood products plant located at the Vocational-Technical Institute east of Carbondale. The Southern Illinois University Experimental Forest and Giant City State Park provide additional facilities for teaching and research, especially during the spring camp. In addition, 30 staff members of the U. S. Forest Service Carbondale Research Center are affiliated with the Department of Forestry and help to enrich the University's forestry program.

Dr. Howard A. Spalt, Chairperson
Departmental Telephone - 618-453-3341, Location - Agriculture Building 184

RECOMMENDED PROGRAM

FORESTRY

(Forest Science Specialization)
School of Agriculture

The forest science option is intended for students who plan to enter a graduate program in forestry upon completion of the baccalaureate program. The student and his or her advisory committee, consisting of two Department of Forestry faculty members, plan an individualized program to meet the student's educational and professional goals. The program of study may be selected from any subject within the competence of the Forestry Department faculty.

Admission to the program is limited to students with a grade point average of 3.0 or above (on a 4.0 = A scale) and the student must maintain a 3.0 or above average to remain in the program.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Bot 200 & 201 ¹	General Botany with Lab	4	-
Chem 140a & b ¹	Inorganic/Organic	4	4
Zool 118 ¹	General Zoology	-	4
GSC	Select ²	-	3
Math 140 ³	Calculus	-	4
GSD 101	English Composition	3	-
GSE	Select ²	2	1
For 200	Introduction to Forestry	1	-
		<u>14</u>	<u>16</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Biol 307 ¹	Environmental Biology	3	-
GSB	Sociology or substitute	3	-
GSB	Political Science or substitute	-	3
GSC	Select ²	3	3
GSB	Select ²	-	3
GSD 117/118/119	Writing	2	-
GSE	Select ²	-	1
For 201 & 202	Dendrology with Lab	4	-
For 240	Soil Science	-	4
		<u>15</u>	<u>16</u>

Third and Fourth Year

There are four additional forestry courses which are required during the third and fourth years to complete the professional forestry core. The remainder of the third and fourth years are elective, selected by the student and his or her committee to satisfy the student's educational and professional goals.

¹Substitutes for GSA requirement.

²To determine what courses may be taken to satisfy general education requirements for this major refer to the section General Studies for the Transfer Student.

³Substitute for GSD requirement.

Forestry As A Major

Available to the Department of Forestry for teaching and research are the following: the Crab-Orchard National Wildlife Refuge; the Shawnee National Forest; the Union State Tree Nursery and Forest; many state parks and conservation areas, and the Kaskaskia Experimental Forest, together comprising several hundred thousand acres of forest land, all in the vicinity of the University. Also accessible for wood utilization teaching and research is a modern wood products plant located at the Vocational-Technical Institute east of Carbondale. The Southern Illinois University Experimental Forest and Giant City State Park provide additional facilities for teaching and research, especially during the spring camp. In addition, 30 staff members of the U. S. Forest Service Carbondale Research Center are affiliated with the Department of Forestry and help to enrich the University's forestry program.

Dr. Howard A. Spalt, Chairperson
Departmental Telephone - 618-453-3341
Location - Agriculture Building 184

RECOMMENDED PROGRAM

FORESTRY
 (Outdoor Recreation Resource
 Management Specialization
 Option)
 School of Agriculture

The program in outdoor recreation resource management provides interdisciplinary professional training in developing, maintaining and managing forests and wildlands as recreational areas. The courses offered are among those recommended by the National Recreation and Park Association.

A special feature of the outdoor recreation resource management option is the two-week tour through selected sections of the U.S. to study outdoor recreation and park facilities. This tour normally is programmed in May for the summer following completion of the third year in the program.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Bot 200 & 201 ¹	General Botany with Laboratory	4	-
Chem 140a & b ¹	Inorganic/Organic	4	4
Zoo 118	General Zoology	-	4
GSD 101	English Composition	3	-
GSD 118 ³	Technical Writing	-	2
Math 140 ³	Calculus	-	4
GSE	Select ²	2	2
For 200	Introduction to Forestry	1	-
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
For 301 ¹	Social Influences in Forestry	-	3
Biol 307 ¹	Environmental Biology	3	-
GSB	Sociology or substitute	3	-
GSB	Political Science or substitute	-	3
GSC	Select ²	3	-
GSC 205	Innovation for the Contemporary Environment	-	3
GSD 153 ³	Public Communication	-	3
Math 283 ³	Statistics	3	-
For 201 & 202	Dendrology with Lab	4	-
For 240	Soil Science	-	4
		<u>16</u>	<u>16</u>

Third and Fourth Year

Professional and related courses are emphasized during the junior and senior years to develop competence in management of recreational resources of forested environments. A three week summer tour of outdoor recreation facilities is included.

¹Satisfies GSA requirements.

²To determine what courses may be taken to satisfy the general education requirements for this major, please refer to the section, General Studies for the Transfer Student.

³Satisfies GSD requirements.

⁴Satisfies GSC requirements.

Forestry As A Major

Available to the Department of Forestry for teaching and research are the following: the Crab-Orchard National Wildlife Refuge; the Shawnee National Forest; the Union State Tree Nursery and Forest; many state parks and conservation areas, and the Kaskaskia Experimental Forest, together comprising several hundred thousand acres of forest land, all in the vicinity of the University. Also accessible for wood utilization teaching and research is a modern wood products plant located at the Vocational-Technical Institute east of Carbondale. The Southern Illinois University Experimental Forest and Giant City State Park provide additional facilities for teaching and research, especially during the spring camp. In addition, 30 staff members of the U. S. Forest Service Carbondale Research Center are affiliated with the Department of Forestry and help to enrich the University's forestry program.

Dr. Howard A. Spalt, Chairperson
 Department Telephone - 618-453-3341
 Location - Agriculture Building 184

RECOMMENDED PROGRAM

FRENCH¹
College of Liberal Arts

Programs of study in foreign languages leading to the Bachelor of Arts degree in the College of Liberal Arts (with or without teacher certification) are offered in Classical Studies, French, German, Russian, and Spanish.

Students majoring in a foreign language usually begin at the second or third-year level. The student who has completed two or more years of high school work in French, German, Russian, or Spanish may take a placement/proficiency exam.

In addition to the personal satisfaction and substantial growth in intellectual resources that come with mastery of a new language, there are numerous types of employment and career possibilities that are opened up by appropriate training in foreign languages. These can be classified as: 1) employment in non-language areas where language proficiency is a supporting factor, and 2) language-centered careers. Government agencies (federal, state, and many local), and businesses that have international dealings, employ great numbers of individuals on the basis of skills that are basically non-linguistic (scientists, engineers, librarians, social workers).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	-	3
GSB	Social Science (select) ³	3	3
GSC	Humanities (select) ³	3	-
GSD	English Composition ³ and one of II7, II8, or II9	3	2
Fr 123a,b or Fr 190 ²	Elementary French ⁵	4	4
	Review of Elementary French	(5)	-
GSD	Math (select) ³	-	4
GSE	Health and Physical Development (select) ³	2	-
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	3	3
GSB	Social Science (select) ³	-	3
GSC	Humanities (select) ³	3	-
GSD	Speech (select) ³	2	-
*Fr 201a,b	Intermediate French ⁵	4	4
Fr 220a,b	Intermediate French Conversation ⁵	2	2
Elective ^{3,4}		-	4
		<u>14</u>	<u>16</u>

*Counts in the 36 hour French major requirement.

¹See also the program under the College of Education.

²A review course on the first year level for students who have had two or more years of high school French or equivalent.

³To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

⁵Proficiency exams can be taken in these courses.

French As A Major

A major in French consists of 36 semester hours in courses above the 100 level with a minimum of 14 hours on the 300 level and 14 hours on the 400 level. A minor in French consists of 18 semester hours in courses above the 100 level. French 220a,b-4 is recommended but does not count toward the major or minor.

NOTE: Foreign Language majors must satisfy College of Liberal Arts requirements. Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU-C.

Dr. Eugene Timpe - Chairperson
Department Telephone - 618-5365571
Location - Faner Bldg, Room 2166

RECOMMENDED PROGRAM

GEOGRAPHY¹
College of Education

The Department of Geography provides a comprehensive curriculum to undergraduate students. Students may pursue the Bachelor of Science degree in Education or the Bachelor of Arts or the Bachelor of Science degree in Liberal Arts. The Bachelor of Science in Education prepares a student for secondary school teaching.

While students will generally avoid in-depth specialization at the undergraduate level, the program offers a breadth of courses in the field of geography. Students experience course work in economic, urban and regional planning resource management, and physical geography as well as in-depth studies in regional courses such as Illinois, United States and Middle and South America.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 110	Earth Science	3	-
GSA 330	The Atmospheric Environment	-	3
GSB 103	Geography of Man's Environment	3	-
GSC	Humanities (select) ²	3	3
GSD	English Composition ² and one of 117, 118 or 119 (select) ²	3	2
GSD 107	Intermediate Algebra	-	4
GSE	Health and Physical Development (select) ²	2	-
GSE 201	Healthful Living	-	2
Ed 201	The Teacher's Role in Public School Education	1	-
		<u>15</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSA 322	Earth Minerals Resources	-	3
GSB 212, 300 or 301	American Government or History of U.S.	3	-
GSC	Humanities (select) ²	3	-
GSD 153	Speech (select) ²	-	2
Geog 302	Physical Geography	-	3
Geog 310	Cartography	3	-
Elective ^{2,3}		4	4
		<u>16</u>	<u>15</u>

¹See also the program under the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. The following specific General Studies courses are required for teacher certification (these courses may be completed during the freshman or sophomore years): GSB 202, Introduction to Psychology; GSD 212, Introduction to American Government and Politics or GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, or 119, Expository, Technical, or Creative Writing; GSD Public Communication; GSE 110-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; and one additional English course (GSC, GSD or departmental).

³Elective hours should be used in the following ways; (1) students may explore areas of interest; (2) they may select a minor.

Geography As A Major

The Department of Geography has an abundance of resources to supplement its instructional program. Morris Library contains over 100,000 maps used by geography majors in research and training. The maps include special regional displays as well as topographic maps.

The department also maintains a cartographic laboratory where students obtain training in map construction and preparation. The laboratory is an integral part of geographic research studies as well as spatial studies.

Climatological and meteorological facilities are maintained by the department and staff who are involved in weather studies and research. The resources are used by students in their climatology and meteorology courses.

Finally, the area of Southern Illinois provides a natural laboratory for geography students. The diversity in physical landforms and geomorphology, economic and cultural environments provides excellent conditions for students pursuing in-depth studies in Southern Illinois.

Coordinator of Teacher Education Studies
Telephone - 618-536-2329
Location - Wham Building, Room 108

Dr. David Sharpe - Chairperson
Department Telephone - 618-536-3376
Location - 4520 Faner Building

RECOMMENDED PROGRAM

GEOGRAPHY

College of Liberal Arts

(Bachelor of Arts)¹(Bachelor of Science)¹

The Department of Geography provides a comprehensive curriculum for undergraduate students. Students may pursue the Bachelor of Arts or the Bachelor of Science degree in Liberal Arts or the Bachelor of Science degree in Education. Programs for the Liberal Arts degree are oriented toward graduate work or industrial and governmental careers. The Bachelor of Science in the Education degree program prepares a student for secondary school or junior college teaching.

While students will generally avoid in-depth specialization at the undergraduate level, the program offers a breadth of courses in the field of geography. Students experience course work in economic, urban and regional planning resource management, and physical geography as well as in-depth studies in regional courses covering Illinois, U.S., and Middle and South America.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 103	Geography of Man's Environment	3	-
GSC	Humanities (select) ²	3	3
GSD	English Composition ² and one of 117, 118 or 119	3	2
GSD	Math (select) ²	-	4
GSE	Health and Physical Development (select) ²	2	2
		<u>14</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Science (select) ²	3	3
GSC	Humanities (select) ²	3	-
GSD	Speech (select) ²	-	2
Geog 310	Cartography	-	3
Geog 302	Physical Geography	-	3
Elective ^{2,3}		4	4
Elective ^{2,3}		-	4
		<u>16</u>	<u>16</u>

¹30-32 hours for a B.S. or B.A. in the College of Liberal Arts. 32-34 hours for a B.S. in College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Geography As A Major

The Department of Geography has an abundance of resources to supplement its instructional program. Morris Library contains over 100,000 maps used by geography majors in research and training. The maps include special regional displays as well as topographic maps.

The department also maintains a cartographic laboratory where students obtain training in map construction and preparation. The laboratory is an integral part of geographic research studies as well as spatial studies.

Climatological and meteorological facilities are maintained by the department and staff who are involved in weather studies and research. These resources are used by students in their climatology and meteorology courses.

Finally, the area of southern Illinois provides a natural laboratory for geography students. The diversity in physical landforms and geomorphology, economic and natural resources, and cultural environment provide excellent conditions for students pursuing in-depth studies in southern Illinois.

Dr. David Sharpe - Chairperson
Department Telephone - 618-536-3375
Location - 4520 Faner Building

RECOMMENDED PROGRAM

GEOLOGY
College of Science
(Bachelor of Science)
(Bachelor of Arts)

Geology is the science of the earth. It deals with earth materials, processes and history. Both field and laboratory studies are important aspects of geological work. Employment opportunities for geologists are found within the petroleum, coal and other mining industries, state and federal geological surveys, other minerals-related industries, private and public organizations concerned with the development of water resources, engineering firms, and government agencies concerned with planning, land use, geologic hazards, construction, and land reclamation. Many geologists become teachers at a variety of levels from grade school to college. The Department of Geology at SIU can provide students with sound, broad training in geology.

First Year		Fall	Spring
Geol 220	Physical Geology ¹	3	-
Geol 221	Historical Geology	-	3
GSD 101	English Composition	3	-
GSD 117 or 118	English Composition or Technical Writing	-	2
Math 110	College Algebra and Trigonometry ^{1,4}	3	2
Chem 222	Introduction to Chemical Principles ^{1,4}	4	4
GSB	Social Studies	-	3
GSE	Health and Physical Development	1	1
		<u>14</u>	<u>15</u>
Second Year		Fall	Spring
Phys 203, 253 or 205, 255	College Physics or University Physics ^{1,3}	4	4
FL	German, Russian or French recommended ^{1,4}	4	4
GSD 152 or 153	Speech	2 (3)	-
GSC	Humanities	-	3
GSE	Health and Physical Development	1	1
Geol 310 or	Mineralogy ²	4	-
Math 150	Calculus I ³	4	-
Geol 374 or	Geomorphology ²	-	3
GSB	Social Studies	-	(3)
		<u>15 (16)</u>	<u>15</u>

Third and Fourth Years

The last two years of a student's program allow some concentration on specific professional objectives. Students in the Bachelor of Arts degree program would take geology courses, biology courses, social studies, humanities and a large number of elective courses. Students in the Bachelor of Science degree program would take some additional social studies and humanities, biology courses, required geology courses and geology electives, science or technology electives and free electives. Students are encouraged to take independent field and laboratory research problems in their senior year.

¹Approved substitutes for General Studies.

²If more advanced geology courses such as mineralogy and geomorphology are not offered at your school, take calculus, social studies, humanities or a good botany or zoology course instead. Our program is designed so that a transfer student can easily finish the geology curriculum in two years provided the student has taken most of the specified courses in chemistry, physics, foreign language or mathematics.

³If Physics 205 is taken, the student must enroll concurrently (or previously) in Math 150.

⁴Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

Geology As A Major

Students in geology can work toward a Bachelor of Arts or a Bachelor of Science degree. The Bachelor of Science curriculum is recommended for those planning to pursue graduate studies or a professional career in geology. A summer field course in the Rocky Mountains is required for the B.S. degree and is strongly recommended for the B.A. degree. This course is normally taken between the junior and senior years. The Department of Geology has appreciable holdings of modern geologic laboratory and field equipment. Students are permitted to utilize this equipment in courses and are encouraged to use it in independent study projects. With few exceptions, classes for geology majors tend to be small, and students have the opportunity for close contact with the faculty and receive considerable individual attention both within and outside the classroom. The Department assists students in finding suitable graduate programs or jobs in geology and related areas.

Russell R. Dutcher - Chairperson

Department Telephone - 618-453-3351

Location - Parkinson Laboratory, Room 108

RECOMMENDED PROGRAM

GERMAN¹
College of Liberal Arts

Programs of study in foreign languages leading to the Bachelor of Arts degree in the College of Liberal Arts (with or without teacher certification) are offered in Classical Studies, French, German, Russian, and Spanish.

Students majoring in a foreign language usually begin at the second or third-year level. The student who has completed two or more years of high school work in French, German, Russian, or Spanish may take a placement/proficiency exam.

In addition to the personal satisfaction and substantial growth in intellectual resources that come with mastery of a new language, there are numerous types of employment that are opened up by appropriate training in foreign languages. These can be classified as: 1) employment in non-language areas, and 2) language-centered careers. Government agencies (federal, state, and many local), and businesses that have international dealings, employ great numbers of individuals on the basis of skills that are basically non-linguistic (scientists, engineers, librarians, social workers).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	-	3
GSB	Social Science (select) ³	3	3
GSC	Humanities (select) ³	3	-
GSD	English Composition ³ and one of II7, II8, or II9	3	2
Ger 126a,b	Elementary German ⁵	4	4
GSE	Health and Physical Development (select) ³	2	-
GSD	Math (select) ³	-	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	3	3
GSB	Social Science (select) ³	-	3
GSC	Humanities (select) ³	3	-
GSD	Speech (select) ³	2	-
*Ger 201a,b	Intermediate German ⁵	4	4
GSE	Health and Physical Development (select) ³	2	-
Elective ^{3,4}		-	4
		<u>14</u>	<u>14</u>

*Counts in the 36 hour German major requirement.

¹See also the program under the College of Education.

²First course in a two year sequence designed for students in other fields who want to learn translation skills.

³To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

⁵Proficiency exams can be taken in these courses.

German As A Major

A major in German consists of 36 semester hours in courses above the 100 level with a minimum of 12 hours on the 300 level and 12 hours on the 400 level with at least one language course and one literature course. A minor in German consists of 18 semester hours in courses above the 100 level. At least one course in the history of Germany or Central Europe is recommended for all students majoring in German. FL 436, Methods in Teaching Modern Foreign Languages, is also recommended.

NOTE: Foreign Language majors must satisfy College of Liberal Arts requirements. Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU-C.

Dr. Eugene Timpe - Chairperson
Department Telephone - 618-5365571
Location - Faner Building, Room 2166

The Department of Health Education offers two specializations within the health education major and three programs of minimal professional preparation. The two specializations are:

1. Health Education in Secondary Schools. For those planning to teach or supervise health education in the secondary schools.
2. Health Education in Elementary Schools. For those planning to teach or supervise health education in the elementary schools.

The three minimal professional preparations are:

1. Health Education in Secondary Schools. For those certified to teach in Illinois secondary schools who wish minimal preparation to teach health education.
2. Health Education in Elementary Schools. For those certified to teach in Illinois elementary schools who wish minimal preparation to teach health education.
3. Driver Education. For those planning to teach driver education in Illinois secondary schools.

These specializations in general, constitute minimal preparation for the positions listed. Consequently, all candidates are strongly urged to complete additional work in the field.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Introduction to Psychology	3	-
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD	Mathematics (select) ¹	-	4
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development (select) ¹	1	-
Educ 201	Teacher's Role in Public School Education	-	1
Electives		3	-
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB 300, 301 or 212	History of U.S. or American Government	3	-
GSB	Social Science (select) ¹	-	3
GSC	English Elective in Humanities (required)	3	-
GSD	Speech (select) ¹	-	2
GSE	Health and Physical Development	1	-
Electives		8	7
		<u>15</u>	<u>15</u>

¹Refer to the section General Studies for the Transfer Student.

²Specific General Studies courses listed are required for Teacher's Certification.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

Dr. Donald Boydston - Chairperson
Telephone - 618-453-2777
Location - Arena, Room 126

The history major consists of 32 semester hours. From this six courses must be evenly distributed over either two or three fields chosen from American, European, or Latin American/African history offerings; i.e., either two courses in each of the three fields or three courses in each of two of the three fields. The student must also complete a total of three courses at the 400 level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 202	Introduction to Psychology	3	-
GSB 300	History of U. S. 1492-1877	-	3
GSC	Humanities (select) ²	3	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select) ²	-	2
GSD 153	Public Communication - Speech	-	2
GSE	Health and Physical Development Activity	1	-
GSE 201	Healthful Living	-	2
Ed 201	Teacher's Role in Public School Education	-	1
Hist 205	History of Western Civilization	3	-
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	History of U. S. 1877 to Present	3	-
GSB	Social Studies (select) ²	-	3
GSC	English Elective in Humanities (select) ²	3	-
GSD	Math (select) ²	-	4
GSE	Health and Physical Development Activity	1	-
Hist	Electives	6	9
		<u>16</u>	<u>16</u>

¹See also the program under the College of Liberal Arts.

²Refer to the section General Studies for Transfer Students.

³Refer to the Undergraduate Catalog for specific major requirements.

History As A Major

To include the following required courses: GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental).

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location Wham Building, Room 108

RECOMMENDED PROGRAM

HISTORY¹
 College of Liberal Arts
 (Bachelor of Arts)

The history major consists of 32 semester hours. From this, six courses must be evenly distributed over either two or three fields chosen from American, European, or Latin American/African history offerings; i.e., either two courses in each of the three fields or three courses in each of two of the three fields. The student must also complete a total of 9 semester hours at the 400 level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
*Hist	Western Civilization	3	3
GSC	Humanities (select) ²	-	3
GSD	English Composition ² and one of II7, II8 or II9	3	2
GSD	Speech (select) ²	2	-
GSD	Math (select) ²	4	-
GSE	Health and Physical Development (select) ²	2	-
Elective ^{2,3}		-	4
		<u>14</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
*GSB 300, 30I	History of the U.S.	3	3
GSB	Social Science (select) ²	3	3
GSC	Humanities (select) ²	3	3
GSE	Health and Physical Development (select) ²	2	-
Elective ^{2,3}		-	4
		<u>14</u>	<u>16</u>

*Counts in the 32 hour History major requirement.

¹See also the program under the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

History As A Major

When possible, transfer students should contact the department prior to their first semester of attendance.

The program in history is an excellent background for future work in law school, government service and other professional areas as well as Graduate Schools. The History Department maintains its own advisement system to help the student design a program which best suits his or her interests and needs. Exceptional students are invited to participate in a departmental honors program.

Dr. Harry Ammon - Chairperson
 Department Telephone - 618-453-4391
 Location - Faner, Room 3374

RECOMMENDED PROGRAM

HOME ECONOMICS EDUCATION
Teaching Vocational Home
Economics Specialization,
Special Education Emphasis
College of Education

This program prepares home economics teachers for special needs learners.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Introduction to Psychology	-	3
GSB 203	Sociological Perspective	4	-
GSC 101	Introduction to Art	3	-
GSC	Humanities (select) ¹	3	-
GSD 107	Intermediate Algebra	-	4
GSD 118	Technical Writing	-	2
GSD 152	Interpersonal Communications	2	-
F&N 100	Fundamentals of Nutrition	-	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 140	Survey of Chemistry ²	4	-
GSB 212	Introduction to American Government & Politics	-	4
GSC	English Elective in Humanities (select) ¹	3	-
GSE 201	Healthful Living	2	-
GSE	Health and Physical Development (select) ¹	-	2
C&F 227	Marriage and Family Living	3	-
C&F 237	Child Development	-	3
C&T 127	Clothing Construction	-	3
Educ 201	Teacher's Role in Public School Education	1	-
Electives		<u>2</u>	<u>3</u>
		<u>15</u>	<u>15</u>

¹Refer to section General Studies for the Transfer Student.

²Substitutes for GSA 106, Chemistry for non-science majors.

Refer to the Undergraduate Catalog for specific requirements for this major.

Coordinator, Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

Anna Carol Fults, Coordinator for Home Economics Education
Telephone - 618-453-2534
Location - Quigley Hall, Room 131

This program is designed to meet the needs of students desiring to teach home economics in school departments maintained according to the provisions of the federal vocational acts. A vocational home economics certificate requires a bachelor's degree in home economics from an institution and in a course of study approved for teacher training by the Vocational Division of the United States Office of Education and by the State Board for Vocational Education and Rehabilitation. Southern Illinois University is so approved for training home economics teachers.

These courses prepare a person for positions as Home Advisors, 4-H Club Agents or Advisors, and, with further training, extension specialists.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB 203	The Sociological Perspective	3	-
GSC 101	Introduction to Art	3	-
GSD 107	Intermediate Algebra	4	-
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
GSE	Health and Physical Development	-	2
F&N 100	Fundamentals of Nutrition	3	4
Chem 140a	Survey of Chemistry	-	4
C&T 127a	Clothing Construction	-	4
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	3	-
GSC	Humanities (select) ¹	3	3
C&F 227	Marriage and Family Living	3	-
C&F 237	Child Development	-	3
C&T 227	Creative Pattern Adaption	-	2
F&N 156	Fundamentals of Foods	3	-
F&N 256	Science of Food	-	3
Chem 140b	Survey of Chemistry	4	-
ID 131	Introduction to Design (Home Furn. and Int.)	-	4
GSD 153	Public Communication	-	3
		<u>16</u>	<u>18</u>

¹Refer to section General Studies for the Transfer Student.

Refer to Undergraduate Catalog for departmental requirements and requirements taught via General Studies.

Required courses include the following taught via General Studies, GSB 202, 203, 212, GSC 101, GSD 101, 118, 107, 153, and one additional English GSC, GSD or departmental.

Home Economics Education As A Major

No minor is required. No foreign language required.

Child Development practicum in Nursery school; Home Management practicum; supervised student teaching in an area high school; Field experiences with a Home Economics Extension advisor are available.

Occupational education programs are included as well as emphasis on consumer-homemaking so that graduates qualify for the new curricular emphasis in Illinois High Schools.

Graduate degrees available.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

This program is designed to meet the needs of students desiring to teach home economics in school departments maintained according to the provisions of the federal vocational acts. A vocational home economics certificate requires a bachelor's degree in home economics from an institution and in a course of study approved for teacher training by the Vocational Division of the United States Office of Education and by the State Board for Vocational Education and Rehabilitation. Southern Illinois University is so approved for training home economics teachers.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 203	The Sociological Perspective	3	-
GSC 101	Introduction to Art	3	-
GSD 107	Intermediate Algebra	4	-
GSD 101	English Composition	3	-
GSD 117 or 118	Technical or Expository Writing	-	2
GSE 153	Public Communication	-	2
GSE 201	Healthful Living	-	2
Chem 140	Survey of Chemistry ²	-	4
C&T 127a,b	Clothing Construction	-	4
Ed 201	Teacher's Role in Public School Education	-	1
F&N 100	Fundamentals in Nutrition	3	-
GSC	Humanities (select) ¹	-	3
		<u>16</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Introduction to Psychology	3	-
GSB 212	Introduction to American Government & Politics	-	4
GSC	English Elective in Humanities (select) ¹	-	3
GSE	Health and Physical Development (select) ¹	-	2
C&F 237	Child Development	-	3
C&F 227	Marriage and Family Living	3	-
FEM 340	Consumer Problems ³	2	-
F&N 156	Fundamentals of Foods	3	-
ID 131	Introduction to Design Home Furn. and Int.	4	-
HeEd 306	Home Economics as a Profession	-	1
		<u>18</u>	<u>16</u>

¹Refer to section General Studies for the Transfer Student.

²Substitutes for GSA 106 Chemistry for non-science majors.

³Or GSB 346 Consumer Choice and Behavior.

The following courses are required and taught via General Studies, GSB 202, GSB 203, 212, GSC 101, GSD 101, 117, or 118, 153, 107, GSE 201, 2 hours of physical education activity, and one additional English GSC, GSD or departmental course.

Home Economics Teacher Education As A Major

No minor required. No foreign language required.

Child Development practicum in Nursery school; Home Management practicum; supervised student teaching in an area high school; Field experience with a Home Economics Extension advisor are available.

Occupational education programs are included as well as emphasis on consumer-homemaking so that graduates qualify for the new curricular emphasis in Illinois High Schools.

Graduate degrees available.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

INDUSTRIAL TECHNOLOGY
School of Engineering and
Technology

The Industrial Technology program has as its objective the training of qualified personnel who can develop and direct the manufacture and distribution of products. The program is a balanced curriculum of studies drawn from a variety of disciplines relating to processes, principles of distribution, and concepts of industrial management and human relations. Communication skills, humanities, and social sciences are studied to develop managerial abilities. Knowledge of physical sciences, mathematics, design, and technical skills gained from the program allow the graduate to cope with technical and production problems.

The specialty is designed to provide the necessary education for entry into employment upon completion of the bachelor's degree. Industrial Technology courses contain topics related to the manufacture and distribution of products.

Requirements for a concentration in Industrial Technology include one of four elective areas: Industrial Design, Manufacturing, Supervision and Personnel, or Technical Sales.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 106	Chemistry	-	3
GSB	Social Science (select)	3	3
GSC	Humanities (select)	-	3
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
GSE	Health and Physical Development (select)	-	2
ET 103, 104	Engineering Drawing ¹	3	3
Math III	Elementary Functions	5	-
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Science (select)	-	3
GSC	Humanities (select)	6	-
GSD 153	Public Communications	-	2
ET 245a	Electrical Systems	-	3
IT 307	Analytical Problems	3	-
IT 308	Processes I	-	4
Phys 203a,b	Physics ²	3	3
Phys 253a,b	Physics Laboratory ²	1	1
Engr 222	Computer Programming	2	-
		<u>15</u>	<u>16</u>

Third and Fourth Year

The last two years of a student's program concentrate on specialized objectives. For transfer students with an Associate degree in an occupational program the required courses are dependent on the student's previous program.

¹Math III substitutes for GSD Math.

²Physics 203 and 253 may be counted as GSA credit.

Industrial Technology As A Major

Junior College Occupational and Technical credit (Data Processing, Electronics Technology, Management, Marketing, Mechanical Technology, Metals Technology, Plastics, Transportation, Building Construction, Architectural Drafting to name a few) can be accepted and applicable towards degree requirements. This permits the student to obtain a Bachelor of Science degree in a minimum length of time.

For the bachelor's degree the recommended guidelines are met through the completion of 56 semester hours in the Industrial Technology core, and 19 in the technical specialization.

Employment opportunities for graduates are excellent which permits a wide range of initial job selectivity and more flexibility for later job promotion or job transfer. Federal statistics show that in the present decade, the need for technologists and related workers will exceed that for all other occupational groups. To the technologist, industry offers interesting and rewarding positions with considerable potential for growth and development.

Positions needed in all types of industry are associated with production planning and scheduling, process design, quality control, methods analysis, personnel supervision, material and equipment procurement, facility planning, equipment design, job estimation, technical sales, maintenance supervision, and other production-related functions.

Dr. Leon Dunning - Chairperson
Department Telephone - 618-536-3396
Location - Technology Building, Room D-109

RECOMMENDED PROGRAM

INTERIOR DESIGN

Division of Comprehensive
Planning and Design
College of Human Resources

The Division of Comprehensive Planning and Design offers a concentrated course of study in interior design. Through emphasis on professional interior design problems and standards, architectural technology, art, graphic design, business practice, and the history of architecture and interior design, the student receives a comprehensive, inter-disciplinary education in preparation for designing and administrative positions in the fields of residential, commercial, and contract design. The Interior Design program is accredited by the Foundation for Interior Design Education Research.

The profession of interior design is a young and growing one offering unusual opportunities to those with design ability. The environmental needs of a changing society offer challenges which can be met only by imagination, skill, and training. The interior designer, industrial designer, architect, landscape architect, and urban planner often collaborate in planning and creating environmental spaces to serve human needs and aspirations; the interior designer is vital to the team in determining the quality of interior space. An interior design graduate is qualified to practice professionally in an interior design studio, space-planning firm, architectural firm, as well as in industrial design, retail sales, or in institutions, and government agencies. Below is a recommended course of study for undergraduates.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition ¹	3	-
GSD 107	Intermediate Algebra ¹	4	-
GSD	English Composition (select II7, II8 or II9) ¹	-	2
GSC 101	Introduction to Art	-	2
GSE	Health and Physical Development (select)	-	1
Art	Freehand Drawing ²	2	-
Arch	Architectural Drafting ²	3	3
ID	Introduction to Interior Design ²	3	-
ID	Construction Methods & Materials ²	-	6
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	-	2
GSC 205	Contemporary Environment	3	-
GS	Select from Areas A,B,C,D,E	2	2
C&T	Textiles	2	-
ID	Delineation ²	3	-
ID	Architectural Design ²	3	-
ID	Design Studios	-	7
ID	Furniture & Interior Design History ²	2	2
ID	Display	-	2
		<u>15</u>	<u>15</u>

Third and Fourth Year

Studies during the third and fourth years consist of Design Studios and selected courses in Architecture and Advanced Interior Design. Special emphasis is given toward departmental requirements and recommended elective courses. Third and fourth year Interior Design courses include ID 383, 384, 391a,b,c, 394 and 491.

¹Required General Studies courses.

²These courses are required for an Interior Design major. For specific information regarding the acceptability of a major requirement from a junior college, you may contact the coordinator of the Interior Design program. Examples of work must be presented to, and approved by I.D. Coordinator for Credit Transfer.

General Studies other than those marked "I" are highly recommended for Interior Design majors.

Mr. Paul J. Lougeay, Architect - Coordinator
Telephone - 618-453-3734
Location - Quigley Hall, Room 128c

RECOMMENDED PROGRAM

JOURNALISM
 (News Editorial)
 (Advertising)
 (Photojournalism)
 College of Communications and
 Fine Arts

Journalism courses are designed to give thorough professional training in both theory and practice in a number of career areas. These include news-editorial and advertising positions on newspapers magazines, industrial publications, cable communications systems, and other news media; in other advertising careers; and in public relations, media management, photo-journalism, teaching, and research.

Undergraduates are urged to enter the Department of Journalism immediately in order that they may obtain the advantage of Journalism Advisement. Students may take JRNL 300 during their second semester in the freshman year. Proficiency in typing is required (30 words per minute) to enter JRNL 310, the first writing course.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	-
GSD 113	Introduction to Math	2	-
GSD 112	Basic Concepts in Statistics	-	2
GSD 101	English Composition	3	-
GSD 117, 118, 119	Writing (select one) ¹	-	2
GSD 152, 153	Speech or Oral Interpretation (select one) ¹	-	2
GSE	Health and Physical Development (select) ¹	1	1
Electives		3	-
JRNL 300	Mass Media Modern Society	-	3
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSE	Health and Physical Development (select) ¹	1	1
*JRNL 370	Principles of Advertising	3	-
*JRNL 310	Writing-Mass Media	-	3
Electives		5	2
		<u>15</u>	<u>15</u>

*Required courses for major in Journalism.

¹See section on General Studies for the Transfer Student.

See also Journalism in College of Education for Teacher Certification requirements.

Journalism As A Major

In addition to the General Studies courses, the academic requirements for a Bachelor of Science Degree in Journalism includes 30-34 hours in journalism course work as approved by the School, 26-30 hours of upperclass electives outside the area of journalism, and 15 hours in a minor area approved by the School. The minor must be declared by the time a student has accrued 90 semester hours.

Two major specializations, news-editorial and advertising, are approved by the professional accrediting agency, the American Council on Education for Journalism.

The advertising specialization--A broad, yet intensive selection of specialized courses prepares the student to enter a wide variety of fields, including sales, copy writing, production, administration, retailing, and agency media and layout.

The news-editorial specialization--In addition to the general requirements of this sequence, the student may elect to take a variety of electives to a concentration of electives in the following areas: community and suburban newspaper journalism, magazine journalism, or telecommunications journalism.

Photojournalism--This specialization, administered jointly by the School of Journalism and the Department of Cinema and Photography, prepares students to be photographer-reporters, photo editors, and to work in other related positions.

Graduate degrees are available.

Dr. Vernon Stone, Chairperson
 Department Telephone - 618-536-3361
 Location - Communications Building, North Wing

The School of Journalism at SIU-C is considered one of the finest in the nation. The program is designed to provide thorough training in both theory and practice. Students may choose a variety of specializations which include advertising, community-suburban newspaper, magazine, news and editorial, photo-journalism, and telecommunications, combine these professional options with an opportunity to work on the SIU student newspaper which has a circulation of 18,000 copies per day, and a student is provided with maximum exposure and professional growth.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 202	Introduction to Psychology	-	3
GSB 212 or 300	American Government and Politics or U.S. History from 1492 to 1877	4	-
GSC	Humanities (select) ²	-	6
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ²	-	2
GSD 107	Mathematics (select) ²	4	-
GSE 201	Healthful Living ²	2	-
GSE	Activity (select) ²	-	1
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Science (select) ²	-	3
GSC	English elective in Humanities (select) ² (required)	3	-
GSD 153	Public Communication	-	2
GSE	Activity (select) ²	1	-
Ed 201	Teacher's Role in Public School Education	1	-
Jrnl 300	Mass Media in Modern Society	3	-
Jrnl 310	Writing for the Mass Media	3	-
Jrnl 370	Principles of Advertising	-	3
Jrnl	Selected by Department	-	7
		<u>14</u>	<u>15</u>

Other Requirements:

Journalism students must demonstrate a working knowledge of typewriting based upon a minimum rate of 30 words per minute. This proficiency must be demonstrated (by proof of a passing grade in a typing course or an examination given by the School of Journalism) before the student registers for Journalism 310.

¹See also the program under the College of Communications and Fine Arts.

²Refer to the section General Studies for the Transfer Student.

Refer to the Undergraduate Catalog for specific major requirements.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

A major in language arts and social studies may be pursued through the Department of Curriculum Instruction and Media. Such a major is designed to prepare individuals for teaching at the junior high school level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 300	History of U. S. 1492-1877 ³	3	-
GSB 301	History of U. S. 1877 to Present ³	-	3
GSC	Humanities (select) ¹	3	-
GSD 101	English Composition	3	-
GSD 153	Public Communications	2	-
GSD 117	Expository Writing	-	2
GSD 107	Intermediate Algebra	-	4
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development		
	Activity (select) ¹	2	-
Ed 201	Teacher's Role in Public School Education	-	1
Elective	World History	-	3
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSA 330	Weather ³	-	3
GSB 212	Introduction to American Government & Politics ³	4	-
GSB 211	Contemporary Economics ³	3	-
GSB 202	Introduction to Psychology	-	3
GSC 200	Literary Experiences in Action ³	3	-
GSC 365	Shakespeare ³	-	3
Pol Sci 213	State and Local Government	-	3
Elective	American and World History	3	3
		<u>16</u>	<u>15</u>

¹Refer to the section General Studies for the Transfer Student.

²Refer to the Undergraduate Catalog for specific major requirements.

³These General Studies courses can be applied toward major requirements.

Junior High School Language Arts and Social Studies As A Major

To include the following required courses: GSA 330, The Atmospheric Environment; GSB 212, Introduction to American Government and Politics; GSB 211, Contemporary Economics; GSB 202, Introduction to Psychology; GSB 300, History of the United States 1492 to 1877; GSB 301, History of the United States 1877 to Present; GSC 365, Shakespeare (or English 471 or 472); GSD 101, English Composition; GSD 117, 118, or 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activity; GSE 201, Healthful Living; and one additional English GSC, GSD or departmental course.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location Wham Building, Room 108

Dr. Donald Paige - Chairperson
Telephone - 618-453-2239
Location - Wham Building, Room 327

Southern Illinois University at Carbondale traditionally has had a strong interest in Latin America. An unusually large number of faculty specialists offer many courses related to that region and the Morris Library contains an outstanding collection of Latin American materials. The University initiated its Latin American Studies program in 1958 to prepare students for careers in business, education and government and to serve others who desired more information about the nations south of the United States. An interdisciplinary program, it includes training in language, the social sciences and humanities. Beyond the minimum core of courses required for the major, maximum flexibility is provided to tailor the curriculum to the needs and interests of the individual student.

Latin American Studies majors also complete a minor or other coherent program (usually 15 to 18 hours) in a standard discipline or career specialty.

The College of Liberal Arts grants the Bachelor of Arts degree in Latin American Studies. The Latin American Studies Advisory Committee supervises the program. Interested students should consult the director for the Latin American Studies major.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science - Anthropology (select) ¹	3	-
GSB	Social Science - Political Science (select) ¹	-	3
GSC	Humanities (select) ¹ or elective ⁴	-	3
GSD	English Composition and one of 117, 118 or 119 (select) ¹	3	2
Spanish	140a & 140b ^{3,4}	4	4
GSE	Health & Physical Development ¹	2	2
		<u>15</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science - Economics (select) ^{1,2}	-	3
GSC	Humanities (select) ¹	3	-
GSD	Speech (select) ¹	2	-
GSD	Math (select) ¹	-	4
Spanish	201a & 201b ³	4	4
Elective ⁴		3	-
		<u>15</u>	<u>14</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Recommended but not required.

³Required by major.

⁴Elective hours should be used to explore areas of interest and enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Dr. William Garner - Director
Department of Political Science
Department Telephone - 536-2371
Location - Faner 3178

The objective of the undergraduate major in linguistics is to provide broad, general training in theoretical and applied linguistics. The major is designed to help the student achieve an awareness of the language systems of the past, an appreciation of modes of communication, and a fundamental understanding of the ever-changing linguistic environment in which he or she lives. Moreover, the analytical models of linguistics have, since the 1930's, been recognized by other disciplines (notably anthropology, psychology, and sociology) as significant research paradigms; education in linguistics methods trains a student to think analytically, to evaluate hypotheses, and to propose new solutions.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹ Sociology ²	4	-
GSB	Social Science (select) ¹ Anthropology ²	-	3
GSC	Humanities (select) ¹	3	-
Foreign Lan.	First Year ³	4	4
GSD	English Composition and one of I17, I18 or I19 ¹	3	2
GSD	Math (select) ¹	-	4
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹ Psychology ²	3	-
GSC	Humanities (select) ¹	-	3
Foreign Lan.	Second Year ³	4	4
GSD	Speech (select) ¹	2	-
GSE	Health	-	2
Electives ⁴		<u>3</u>	<u>3</u>
		15	15

¹To determine what courses may be taken to satisfy the general education requirements for this program, see the section, General Studies for the Transfer Student.

²Recommended but not required.

³There is a foreign language requirement: (1) one year of an uncommon or non-Western language, (2) two years of any foreign language. If the language in (2) were uncommon or non-Western, satisfying (2) would automatically satisfy (1). Students planning graduate study in linguistics should take three years of foreign language study. In addition, the first year foreign language may substitute in Area C.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to fill Liberal Arts requirements (see College of Liberal Arts section).

Dr. Patricia Carrell - Chairperson
Department Telephone - 618-536-3385
Location - Faner Building, Room 3236

Marketing consists of the performance of those activities associated with the flow of goods and services from producers to consumers and business users. The program is designed to provide the student with an understanding of the role of marketing in an economic system and in a business organization. Emphasis is upon the development of an analytical approach to the creative solution of marketing problems. Courses have been designed into a variety of sequences aimed at meeting the specific needs and the interests of students. These are: (1) General Marketing Administration, (2) International Marketing, (3) Industrial Marketing, (4) Sales Administration, (5) Promotional Administration, (6) Physical Distribution Administration, and (7) Retail Administration.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	6
GSC	Humanities (select) ¹	6	3
GSD 101 & Writing	English Composition	3	2
*Math 116-5 or 139-3	Finite Mathematics and Algebra	3 (5)	-
*Math 117 or 140	Finite Mathematics and Calculus	-	4 (5)
		<u>15 (17)</u>	<u>15 (16)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*Acct 221,222	Financial Accounting	3	3
*ADSC 208	Business and Economic Statistics	4	-
*CS 212 or EDP 217	Fortran Programming	-	3
*Econ 214, 215	Economics, Macro and Micro ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSD 153 or 152	Speech	2 (3)	-
GSE	Physical and Health Education ¹	-	2
GS- ---	General Studies Elective	-	4
		<u>15 (16)</u>	<u>15</u>

*Required course for a major in Marketing.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Econ 214 or 215 count toward GSB credit.

Marketing As A Major

Neither minor nor foreign language required.
Graduate degree available: MBA.

It is strongly recommended that the courses listed above be completed prior to the junior year. Many of these courses are prerequisites to later requirements.

The Department is recognized by the American Assembly of Collegiate Schools of Business (AACSB).

Flexibility is available due to a limited number of required courses. Emphasis is on developing a program geared to individual students' interests and background.

Dr. Glenn Walters - Chairperson
Department Telephone - 618-453-4341
Location - General Classroom Building, Room 229

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.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	4	-
GSB 212 or 300	American Government and Politics or U.S. History 1492 to 1877	-	4
GSC	Humanities (select) ²	3	-
GSD 101	English Composition	3	-
GSD 117 or 118 or 119	Writing (select) ²	-	2
GSE 201	Healthful Living	-	2
*Math III	College Algebra and Trigonometry	5	-
Math 150	Calculus I	-	4
CS 202	Introduction to Computer Programming	-	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	4	-
GSB	Social Studies (select) ²	-	3
GSB 202	Introduction to Psychology	3	-
GSC	English elective in Humanities (select) ²	-	3
GSC	Humanities (select) ²	3	-
GSD 153	Public Communications	-	2
GSE	Physical Education Activity	1	-
Math 250	Calculus II	4	-
Math 221	Introduction to Linear Algebra	-	3
Math 319	Introduction to Abstract Algebra	-	3
Math 319E	Modern Algebra Applied to Secondary Schools	-	1
Ed 201	Teacher's Role in Public Schools	1	-
		<u>16</u>	<u>15</u>

*Approved substitute for GSD Math.

¹See also the program under the College of Liberal Arts. The College of Science also offers a B.S. in Mathematics.

²Refer to the section General Studies for the Transfer Student.

Mathematics As A Major

Foreign language is not required for the Bachelor of Science degree in Education.

It is recommended that the following courses be completed during the first two years of the student's study: Math III, 150, 250, 251, 221, Computer Science 202.

For specific major requirements see the Undergraduate Catalog.

To include the following required courses: GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics OR GSB 300 or 301; History of the United States; GSD 101, English Composition; GSD 117, 118, 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental); Math III, College Algebra and Trigonometry.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

MATHEMATICS¹
College of Liberal Arts
(Bachelor of Arts)

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.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ^{2,5}	3	-
GSB	Social Science (select) ²	-	3
GSC	Humanities (select) ^{2,4}	-	3
GSD	English Composition ² and one of II7, II8, or II9	3	2
*Math III	College Algebra and Trigonometry ³	5	-
*Math 150	Elementary Calculus and Analytic Geometry	-	4
*FL	Foreign Language ⁴	4	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ^{2,5}	-	3
GSB	Social Science (select) ^{2,6}	3	3
GSC	Humanities (select) ²	-	3
GSD	Speech (select) ²	2	-
GSE	Health and Physical Development (select) ¹	2	-
*Math 250		4	-
*Math 25I		-	3
*Math 22I		-	3
*CS 202		3	-
		<u>15</u>	<u>16</u>

*Required course for a major in mathematics.

¹See also the program (B.S.) under the College of Education. The College of Science also offers a B.S. in mathematics.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Proficiency exams can be taken in this course. Math III is a substitute for GSD Math.

⁴Math majors must complete eight semester hours of one foreign language, four of these hours can be substituted for GSC Humanities.

⁵It is recommended that math majors substitute Physics 205a for three hours of GSA Science.

⁶It is recommended that math majors substitute Economics 214 or 215 for three semester hours of GSC Social Science.

Mathematics As A Major

Students majoring in mathematics through the College of Liberal Arts must satisfy College requirements (see College of Liberal Arts section). Students must earn a grade of "C" or higher in mathematics courses numbered 150 or above.

The Department of Mathematics has graduate programs at both the Masters' and Doctors' levels.

Graduates of this program find employment in various organizations which rely on the use of mathematical principle and procedures in phases of their operation or they often take teaching positions. Many industries that hire mathematicians are engineering or science oriented like aircraft and missile, chemical, electrical equipment, fabricated metals, and petroleum industries, but also employers are hiring mathematicians in business and economic related positions to help with managerial decisions. Excellent career opportunities exist in statistical and actuarial work launched from undergraduate mathematics programs, and mathematics graduates are highly valued in MBA (Master of Business Administration) programs.

Honors work available.

Dr. Al Baartmans - Chairperson
Department Telephone - 618-453-5302
Location - Neckers Building, Room 363

RECOMMENDED PROGRAM

MICROBIOLOGY
College of Science
(Bachelor of Arts)

Microbiology deals with the study of micro-organisms, including bacteria, viruses, rickettsiae, protozoa, fungi, and yeasts, examining their morphology, classification, growth, reproduction, heredity, biochemistry, ecology, and their relationship to other living organisms including man. The following program of study prepares one for graduate study leading to advanced degrees or for laboratory or teaching positions after the bachelor's degree.

Opportunities for specialized training in diagnostic bacteriology, virology, immunology, genetics, biochemistry and industrial processes are available.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
FL	Foreign Language ^{1,3}	4	4
Chem 222a,b	Introduction to Chemical Principles ^{1,3}	4	4
Math 110a,b or Math 111	College Algebra and Trigonometry ³	3 (5)	2 (-)
Micr 301	Principles of Microbiology ³	-	4
GSD 101	English Composition	3	-
GSD 118	Technical Writing	-	2
		<u>14 (16)</u>	<u>16 (14)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Micr 302	General Microbiology ³	3	-
Biol 305	Genetics ^{2,3}	-	5
Biol	Biology (select) ^{1,2,3}	3	3
Chem 344, 345, and 346, 347	Organic Chemistry	6	5
Phys 203a,b and 253a,b	College Physics	4	4
GSE	Select	<u>2</u>	<u>1</u>
		<u>18</u>	<u>18</u>

¹Approved substitutes for General Studies.

²Any two of Biology 306, 307, 308, 309.

³Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

Third and Fourth Years

The student fulfills remaining General Studies requirements, and chooses electives in microbiology to match his or her professional interests.

Microbiology As A Major

A student may direct his or her career toward such fields as: (1) the clinical and public health laboratory; (2) the food and beverage industries; (3) pharmaceutical industries involving the discovery and production of antibiotics and other therapeutic drugs, the discovery and production of vaccines, possibly effective even against cancer; (4) the soap and detergent industries; (5) agriculture by enriching and maintaining the fertility of the soil and by controlling diseases which ravage our cultivated crops and livestock. Excellent teaching opportunities exist at the university level for the holder of the doctor's degree. A microbiologist planning a teaching career at the secondary school level should acquire a broad background in general biology. In addition to the academic career, high-salaried positions are to be found in many of the local, state, and federal agencies, as well as in industry, by the microbiologist with a good capacity for pure or applied research.

Graduate programs available.

Dr. Maurice Ogur - Department Chairperson
Department Telephone - 618-536-2349
Location - Life Science II, Room 131

RECOMMENDED PROGRAM

Mining Technology Specialization
(Bachelor of Science Degree in
Industrial Technology) School of
Engineering and Technology

The world wide energy crisis has created a growing demand for coal and other mining products and the need for technologists and engineers in the mining industry is expected to increase dramatically in the next decade. To help meet this growing demand Southern Illinois University at Carbondale offers courses in mining technology which culminate in a Bachelor of Science degree.

Course Requirements

The program is primarily designed to provide a capstone of subject matter for those students completing programs in mining technology or related areas at community colleges or technical institutes. Courses offered at Southern Illinois University at Carbondale include topics such as coal analysis, coal mining problems, labor relations, materials handling, surveying, motion and time study, quality control, underground and surface mining technology, and others.

The required courses are dependent on the student's academic background and work experience. In general, the baccalaureate degree can be obtained in two academic years after completing an associate degree in mining technology or a related field at a community college or technical institute.

Career Opportunities

Employment opportunities in the mining industry are practically unlimited with many top management positions available for college educated people with mining experience.

Dr. Leon Dunning - Chairperson
Departmental Telephone - 618-536-3396
Location - Technology Building, Room D-109

RECOMMENDED PROGRAM

MUSIC¹
 (Instrumental Performance)
 College of Communications and
 Fine Arts

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

The following illustrates the course of study to be followed during the first two years by those intending to pursue a career as an instrumentalist and/or private applied teacher. One wishing to attempt this specialization should, before the sophomore year, secure approval by the appropriate applied jury, and thereafter enrolls for and receives two half-hour lessons per week for 4 credits per term in applied music.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSC	Humanities (select) ²	-	2
GSD 101, 117	English Composition; Expository Writing	3	2
GSE	Health and Physical Development (select) ²	2	-
*Mus 140	Applied Music (principal instrument)	2	2
*Mus 030a,b	Piano Class ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 102	Survey of Music Literature	2	-
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSB	Social Sciences (select) ²	-	3
GSD 107	Algebra	4	-
GSE	Health and Physical Development (select) ²	1	1
*Mus 240	Applied Music (principal instrument)	4	4
*Mus 030c,d	Class Piano ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
		<u>15</u>	<u>15</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Education and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. Music 102-2 and 105a-3 count toward GSC requirements.

³Students with piano background may waive part or all of the piano class requirement, as justified by a proficiency examination.

All freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Sumphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

MUSIC¹
 (Keyboard Performance)
 College of Communications and
 Fine Arts

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

The following illustrates the course of study to be followed during the first two years by those intending to pursue a career as a keyboard performer and/or private applied teacher. One wishing to attempt this specialization should, before the sophomore year, secure approval by the appropriate applied jury, and thereafter enrolls for and receives two half-hour lessons per week for 4 credits per term in applied music.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Studies (select) ²	-	3
GSD 101, 117	English Composition; Expository Writing	3	2
*Mus 140	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
*Mus 102	Survey of Music Literature	2	-
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSC	Humanities (select) ²	-	3
GSD 152, 107	Speech; Algebra	2	4
GSE	Health and Physical Development (select) ²	1	1
*Mus 240	Applied Music (principal instrument)	4	4
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
		<u>15</u>	<u>15</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Education and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. Music 102-2 and 105a-3 count toward GSC requirements.

Music As A Major

Credits in one's principal applied field are based on (1) private lessons with a member of the faculty, (2) weekly participation in Studio Hour (Mondays at 10:00 a.m.), and (3) 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 freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Symphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

MUSIC¹
 (Music History-Literature)
 College of Communications and
 Fine Arts

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

The following illustrates the course of study to be followed during the first two years by those intending to pursue a career in musical research and criticism and/or college teaching in these areas.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select) ²	-	3
GSD 101, 107	English Composition; Algebra	3	4
GSE	Health and Physical Development (select) ²	2	-
*Mus 140	Applied Music (principal instrument)	2	2
*Mus 030a,b	Class Piano ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 102	Survey of Music Literature	2	-
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSC 152	Speech	-	2
GSD 117	Expository Writing	2	-
GSE	Health and Physical Development (select) ²	1	-
*For Lang	French or German	4	4
*Mus 240	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
*Mus 357a or b	Music History	-	3
		<u>15</u>	<u>15</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Education and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. Music 102-2, 105a-3 and the second semester of foreign language count toward GSC requirements.

³Students 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 (1) private lessons with a member of the faculty, (2) weekly participation in Studio Hour (Mondays at 10:00 a.m.), and (3) 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 freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Symphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

MUSIC¹
 (Music Theory-Composition)
 College of Communications and
 Fine Arts

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

The following illustrates the course of study to be followed during the first two years by those intending to pursue a career as a musical composer and/or college teacher of music theory-composition.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSC	Humanities (select) ²	-	2
GSD 101, 117	English Composition; Expository Writing	3	2
GSE	Health and Physical Development (select) ²	2	-
*Mus 140	Applied Music (principal instrument)	2	2
*Mus 030a,b	Class Piano ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 102	Survey of Music Literature	2	-
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSC	Humanities (select) ²	-	3
GSD 107	Algebra	4	-
GSE	Health and Physical Development (select) ²	1	1
*Mus 240	Applied Music (principal instrument)	2	2
*Mus 030c,d	Class Piano ³	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
*Mus 280	Beginning Composition	2	2
		<u>15</u>	<u>15</u>

*Required courses for a major in Music.

¹ Music curriculums are also available in the College of Education and the College of Liberal Arts.

² To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³ 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 (1) private lessons with a member of the faculty, (2) weekly participation in Studio Hour (Mondays at 10:00 a.m.), and (3) 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 freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Symphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

The following illustrates the course of study to be followed during the first two years by those intending to pursue a career as a singer and/or private applied teacher. One wishing to attempt this specialization should, before the sophomore year, secure approval by the appropriate applied jury, and thereafter enrolls for and receives two half-hour lessons per week for 4 credits per term in applied music.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101, 117	English Composition; Expository Writing	3	2
GSD 107	Algebra	-	4
GSE	Health and Physical Development	2	1
*Mus 140P	Applied Music (voice)	2	2
*Mus 030a,b	Class Piano ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 102	Survey of Music Literature	2	-
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSE	Health and Physical Development (select) ²	1	-
*For Lang	French or German	4	4
*Mus 240P	Applied Music (voice)	4	4
*Mus 030c,d	Class Piano ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
		<u>15</u>	<u>15</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Education and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. Music 102-2, 105a-3 and the second semester of foreign language count toward GSC requirements.

³Students 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 (1) private lessons with a member of the faculty, (2) weekly participation in Studio Hour (Mondays at 10:00 a.m.), and (3) 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 freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Symphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

MUSIC¹ (Music Education - Instrumental or Choral) College of Communications and Fine Arts

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will 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. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSD 101, 117	English Composition, Expository Writing	3	2
GSE 201	Health and Physical Development (select) ²	2	1
*Mus 140	Applied Music (principal instrument)	2	2
*Mus 030a,b	Piano Class ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
*Mus 102	Survey of Music Literature	-	2
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB 212	Government	4	-
GSB	Social Sciences (select) ²	-	3
GSD 107	Algebra	-	4
GSD 152	Speech	-	2
GSE	Health and Physical Development (select) ²	1	-
Ed 201	Orientation to Education	-	1
*Mus 240	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
*Mus 034, 035	Brass Class; WW Class (for Instrumental Music)	1	1
or Mus 030a,b	Piano Class ³ (for choral Music Education)	(1)	(1)
		<u>16</u>	<u>16</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Education and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Students with piano background may waive part or all of the piano class requirement, as justified by a proficiency examination.

Music As A Major

Students interested in this specialization should become aware of the requirements for entering the Formal Teacher Education Program (explained in another section of this text).

All freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011-Marching Salukis, Music 013-Symphonic Band, 014-Concert Wind Ensemble, 017-Sumphony, 020-University Chorus, 021-SIU Chorale, or 022-University Choir.

Mr. Phillip Olsson - Director
School of Music Telephone - 618-453-2263
Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

MUSIC EDUCATION¹
 (Music Education - Instrumental
 or Choral)
 College of Education

The School of Music offers programs to prepare students for careers in musical performance, conducting, composition, teaching, research, and related areas in the music industry. It is assumed that students planning one of these careers will have had extensive pre-university experience in performing with school groups and/or as soloist, basic music reading ability, strong sensitivity to music, and a desire to communicate it to others. To complete the preparation, the School of Music offers Bachelor of Music degree programs with the following specializations: Instrumental Music Education; Choral Music Education; Instrumental performance; Keyboard performance; Vocal performance; Music History-Literature; and Music Theory-Composition.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSD 101, 117	English Composition, Expository Writing	3	2
GSE 201	Healthful Living	2	-
*Mus 140	Applied Music (principal instrument)	2	2
*Mus 030a,b	Piano Class ³	1	1
*Mus	Major Ensemble (see below)	1	1
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
*Mus 102	Survey of Music Literature	-	2
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB 212, 300 or 301	American Government or U.S. History	4	-
GSB 202	Introduction to Psychology	-	3
GSD 107	Algebra	-	4
GSD 152	Speech	-	2
GSE	Health and Physical Development (select) ²	1	1
Ed 201	Teacher's Role in Public School Education	-	1
*Mus 240	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
*Mus 204	Advanced Aural Skills	1	-
*Mus 205	Advanced Harmony	3	-
*Mus 207	Contrapuntal Techniques	-	2
*Mus 034, 035	Brass Class; WW Class (for Instrumental Music)	1	2
or Mus 030a,b	Piano Class ³ (for choral Music Education)	<u>(1)</u>	<u>(1)</u>
		<u>16</u>	<u>17</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Communications and Fine Arts and the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Students with piano background may waive part or all of the piano class requirement, as justified by a proficiency examination.

⁴The following courses are required for Teacher Certification: GSB 202, Introduction to Psychology; GSB 212 or GSB 300 or 301; GSD 101; GSD 117 or 118 or 119; GSD 153; GSE 100-114 (2 hours); GSE 201; plus one additional English course from GSC, GSD or departmental.

Music As A Major

Students interested in this specialization should become aware of the requirements for entering the Teacher Education Program (explained in another section of this text).

All freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011, Marching Salukis; Music 013, Symphonic Band; 014, Concert Wind Ensemble; 017, Symphony; 020, University Chorus; 021, SIU Chorale; or 022, University Choir.

Mr. Phillip Olsson - Director
 School of Music Telephone - 618-453-2263
 Location - Altgeld Hall, Room 105

Coordinator of Teacher Education Services
 Telephone - 618-536-2239
 Location - Wham Building, Room 108

RECOMMENDED PROGRAM

MUSICⁱ
College of Liberal Arts
(Bachelor of Arts)

The music major degree program in the College of Liberal Arts is designed to provide a basis for various part time and musically related careers such as church music, music therapy, popular music, private applied teaching, and occupations within the field of music industry and communications. Ordinarily, additional study, comparable to the Bachelor of Music curriculums offered in the College of Communications and Fine Arts, is necessary to qualify for a full time professional career in teaching, conducting, composition, or research.

This 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.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Studies (select) ²	3	3
GSC	Humanities (select) ²	-	3
GSD 101, 117	English Composition; Expository Writing	3	2
GSD 107	Algebra	4	-
GSE	Health and Physical Development (select) ²	1	1
*Mus 102	Survey of Music Literature	-	2
*Mus 140	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
		<u>17</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Studies (select) ²	-	3
GSD 152	Speech	-	2
GSE	Health and Physical Development (select) ²	1	1
For Lang	Foreign Language ³	4	4
*Mus 104a,b	Aural Skills	1	1
*Mus 105a,b	Basic Harmony	3	3
*Mus 240	Applied Music (principal instrument)	2	2
*Mus	Major Ensemble (see below)	1	1
		<u>15</u>	<u>17</u>

*Required courses for a major in Music.

¹Music curriculums are also available in the College of Communications and Fine Arts and the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student. Music 102-2 and 105a-3 substitute for GSC 100-2 and 206-3.

³Foreign language will partially satisfy Liberal Arts requirements (see College of Liberal Arts section).

The following courses are required for Teacher Certification: GSB 212 or GSB 300, GSD 101, GSD 117, 118 or 119, GSD 153, GSE 100-114 (2 hours), GSE 201, and one additional course from A, B, or C.

Music as a Major

Credits in one's principal applied field are based on (1) private lessons with a number of the faculty, (2) weekly participations in Studio hour (Mondays at 10:00 a.m.), and (3) 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 freshmen and sophomores pursuing a baccalaureate degree program in music must maintain satisfactory membership each term in residence, in one of the following: Music 011 Marching Salukis, Music 013 Symphonic Band, 014 Concert Wind Ensemble, 017 Symphony, 020 University Chorus, 021 SIU Chorale, or 022 University Choir.

Mr. Phillip Olsson- Director
School of Music Telephone - 618-453-2263
Location - Altgeld Hall, Room 105

RECOMMENDED PROGRAM

OCCUPATIONAL EDUCATION
 (Occupational Teaching)
 (Pre-Occupational Teaching)
 (Secondary School Occupational Teaching)
 College of Education

The Department of Occupational Education offers three majors, each leading to the Bachelor of Science in Education degree. Programs include specializations in pre-occupational teaching, secondary occupational teaching, and the specialization in occupational teaching lead to entitlement to a Standard High School Teaching Certificate.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 101	Physics in the Environment	3	-
GSA 106	Chemistry for Non-Science Majors	-	3
GSA 212	Introduction to American Government and Politics	4	-
GSB 202	Introduction to Psychology	-	3
GSC 102	Problems of Moral Decisions	-	3
GSC	Humanities (not English or Philosophy) (select) ¹	-	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development	1	-
ED 201	Teacher's Role in Public School Education	-	1
		<u>14</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Studies (select) ¹	3	-
GSC	English in Humanities (select) ¹	3	-
GS	Elective from Area A, B or C	-	2
GSD	Mathematics (select) ¹	-	2
GSD 153	Public Communication	4	-
GSE	Health and Physical Development	1	-
ED 301	Human Growth, Development and Learning	-	2
VES 360A	Occupational Simulation and Cluster Study	3	-
VES 360B	Occupational Simulation and Cluster Study	-	3
VES 362	Occupational Orientation and Exploration	-	3
Elective		-	4
		<u>17</u>	<u>16</u>

¹Refer to the section General Studies for the Transfer Student.

Refer to the Undergraduate Catalog for specific major requirements.

Special Note to Community College Personnel: The programs in occupational teaching and secondary school occupational teaching require the equivalent of an associate degree in a technical specialty for admission. Therefore, the two-year recommended program above applies only to the pre-occupational teaching specialty.

Occupational Education As A Major

To include the following required courses: GSB 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics, or GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118 or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; one additional English course (GSC, GSD or departmental).

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

Dr. James Sullivan, Chairperson

Vocational - Educational Studies

Department Telephone - 618-453-5733

Location - Wham Building, Room 146

RECOMMENDED PROGRAM

PHILOSOPHY College of Liberal Arts (Bachelor of Arts)

The Philosophy Department offers a broad range of courses covering the areas of ethics, aesthetics, logic, metaphysics, the history of both Western and Oriental philosophy, as well as art, education, history, and religion.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹	3	3
GSC 102 or 104	Philosophy (Ethics or Problems) ²	3	-
GSD	English Composition ¹ and one of 117, 118, or 119	3	2
GSD	Speech (select) ¹	2	-
GSD	Math (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	2	2
Elective ^{1,3}		<u>3</u>	<u>-</u>
		16	14
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	3	3
GSC 208	Philosophy (Logic) ²	-	3
*Phil	Ancient Philosophy	3	-
*Phil	Modern Philosophy	-	3
Elective ^{1,3}		<u>3</u>	<u>3</u>
		15	15

*Required course for a major in Philosophy.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²No more than 2 courses or 6 hours on the 100 and 200 level will count toward the major.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section). Students planning to enter graduate school may elect to complete two years of a foreign language. Philosophy majors emphasizing logic are advised to elect additional math courses.

Philosophy As A Major

The program in philosophy is an excellent background for future work in law schools, seminaries, government service and other professional areas, as well as graduate school. The Department maintains its own advisement system to help the student design a program which best suits his or her interests and needs. The Honors Program in Philosophy provides students a chance to participate in seminars on a variety of topics.

Dr. George McClure - Chairperson
Department Telephone - 618-536-6641
Location - Faner Building, Room 3065

The Physical Education concentration is intended to qualify young people for positions as teachers, coaches, or specialists in public and private elementary or secondary schools, colleges, and universities as well as other social agencies which promote physical activity programs. Courses have been designed to meet the requirements of state departments of education and other agencies which 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 the Physical Education Club; 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.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 209	Principles of Physiology	3	-
GSB 300, 301 or 212	History of U.S. or American Government ²	-	3
GSB 202	Introduction to Psychology ²	3	-
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD	Mathematics (select) ¹	-	4
GSE 201	Healthful Living ²	2	-
Educ 201	Teacher's Role in Public School Education	1	-
Electives		-	3
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	3	-
GSC	English Elective in Humanities (required)	-	3
GSD	Speech (select) ¹	2	-
GSE	Health and Physical Development	-	2
Electives		7	7
		<u>15</u>	<u>15</u>

¹ Refer to the section General Studies for Transfer Students.

² General Studies courses which are required for Teacher's Certification.

A secondary concentration (the student may select the area) is recommended.

Refer to the Undergraduate Catalog for specific major requirements.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

Chairperson, Physical Education
Telephone - 618-453-2685
Location - Arena 118

A major in Physics may be pursued through either the College of Science or the College of Education. 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 applications of physics principles to neighboring fields. Because of the central position of physics among the physical sciences, the physics graduate with his analytical and instrumental skills can flexibly contribute to the solution of pressing national problems of energy supply, water resources, transportation, environmental healthfulness, security and other vital concerns. A basic knowledge of classical and quantum physics is essential for a successful entry into a very wide variety of interdisciplinary areas of science such as biophysics, geophysics, communications science, space science, environmental science, medical science, and engineering.

The program at SIU-C, building upon a solid foundation of classical physics, provides a sound introduction to atomic and molecular physics with options for specializing in solid state, atmospheric, plasma, nuclear, mathematical physics and biophysics.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	-	2
GSD 153	Speech	-	3
GSD 101	English Composition	3	-
GSE 201	Healthful Living	1	-
GSD 117, 118 or 119	Writing (select) ³	2	2
Math III	College Algebra and Trigonometry ⁶	5	-
Math 150	Calculus I	-	5
Phys 205a	University Physics ^{4,6}	-	3
Phys 255a	University Physics Laboratory ^{4,6}	-	1
GSB 212, 300, or 301	American Government or U.S. History	3	-
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB 211	Economics	3	-
GSC	Humanities (select) ²	3	-
GSE	Health and Physical Development (select) ²	-	1
Math 250	Calculus II	4	-
Chem 224	Introduction to Chemical Principles ^{4,5}	-	5
Chem 225	Introduction to Laboratory Techniques ^{4,5}	-	2
Phys 205b	University Physics ^{4,6}	3	-
Phys 205c	University Physics (c)	-	3
Phys 255b	University Physics Laboratory ⁶	1	-
Phys 301	Theoretical Methods in Physics	-	2
		<u>17</u>	<u>16</u>

¹See also the program (B.S.) under the College of Science.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Math III substitutes for GSD Mathematics.

⁴These courses count towards the GSA science requirement.

⁵These courses are for students with a year or more of high school chemistry. Those with less than a year should take Chem 115 (Introduction to General Chemistry) before Chem 224.

⁶Entering freshmen who qualify to begin with Math 110b or higher may take Phys 204a,b (College Physics-Honors) and Phys 254a,b (College Physics Laboratory-Honors) during the first year. In the fall semester of the second year they may take Phys 205c-3, an Introduction to Modern Physics with Laboratory.

Physics As A Major

The following specific General Studies courses are required for teacher certification (these courses may be completed during the freshman and sophomore years): GSB 212, Introduction to American Government and Politics, or GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; and one additional English course (GSC, GSD or departmental).

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

A major in Physics may be pursued through either the College of Science or the College of Education. The program of study provides for a mastery of the basic principles of classical and quantum physics. It also provides a breadth of coverages in the applications of physical principles to neighboring fields. Because of the central position of physics among the physical sciences, the physics graduate with analytical and instrumental skills can flexibly contribute to the solution of pressing national problems of energy supply, water resources, transportation, environmental healthfulness, security and other vital concerns. A basic knowledge of classical and quantum physics is essential for a successful entry into a very wide variety of interdisciplinary areas of science such as biophysics, geophysics, communications science, space science, environmental science, medical science, and engineering.

The program at SIU-C, building upon a solid foundation of classical physics, provides a sound introduction to atomic molecular physics with options for specializing in solid state, atmospheric, plasma, nuclear, mathematical physics and biophysics.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	-	2
GSD	Speech or Other Oral Communications	-	2 (3)
GSD	English Composition	3	-
GSE	Health and Physical Development (select) ²	1	-
*FL	Foreign Language ^{3,4}	4	4
*Math III	College Algebra and Trigonometry ^{4,6}	5	-
*Math 150	Calculus I ⁴	-	5
*Phys 205a	University Physics ^{3,4,6}	-	3
*Phys 255a	University Physics Laboratory ^{3,4,6}	-	1
		<u>16</u>	<u>17 (18)</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Biol	Biological Sciences (not GSA) ^{2,3,4}	3	3
GSB 2II	Economics	3	-
GSC	Humanities (select) ²	3	-
GSE	Health and Physical Development (select) ²	-	1
*Math 250	Calculus II	4	-
*Chem 224	Introduction to Chemical Principles ^{3,4,5}	-	5
*Chem 225	Introduction to Laboratory Techniques ^{3,4,5}	-	2
*Phys 205b	University Physics ^{3,4,6}	3	-
*Phys 205c	University Physics (c)	-	3
*Phys 255b	University Physics Laboratory ^{3,4,6}	1	-
*Phys 30I	Theoretical Methods in Physics	-	2
		<u>17</u>	<u>16</u>

*Required courses for a major in Physics.

¹See also the program (B.S.) under the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Approved substitutes for General Studies.

⁴Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

⁵These courses are for students with a year or more of high school chemistry. Those with less than a year should take Chem 115 (Introduction to General Chemistry) before Chem 224.

⁶Entering freshmen who qualify to begin with Math 110b or higher may take Phys 204a,b (College Physics-Honors) and Phys 254a,b (College Physics Laboratory-Honors) during the first year. In the fall semester of the second year they may take Phys 205c-3, an Introduction to Modern Physics with Laboratory.

Physics as a Major

At SIU a student may elect one of several options to prepare himself or herself as a physicist. Choices exist for both the experimentally- and theoretically-oriented student. The physics major may prepare to enter the graduate school or an industrial and/or government laboratory. In addition, there is a degree option for those wishing to teach in the secondary level school system.

Dr. W. C. Henneberger - Chairperson
 Department Telephone - 618-453-2570
 Location - Neckers Building, Room 485

Physiology involves studying the functioning of organisms during life and how life processes operate. Courses include pharmacology, electron microscopy, physiological techniques, and anatomy. Although a bachelor's degree with such a major is adequate preparation for some jobs, graduate training is usually required to obtain professional recognition. Colleges and universities provide the greatest job opportunities. Government agencies are the second largest employers of physiologists.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	-	3
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
FL	(select) ^{2,3}	4	4
Chem 222a,b	Introduction to Chemical Principles ^{2,3}	4	4
or			
Chem 224, 225	Introduction to Chemical Principles ^{2,3}	5 (7)	-
Math 110a,b	College Algebra and Trigonometry ³	3	2
or			
Math 111	College Algebra and Trigonometry ³	(5)	-
		<u>14-19</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GS	Area B,C (select) ¹	2	3
Biol	Select Two From Biology 305, 307, 309 ^{2,3}	3	3
Phys 205a,b & 255a,b	University Physics and Lab	4	4
Chem 344	Organic Chemistry	4	-
Chem 345	Lab Techniques	2	-
Chem 346	Organic Chemistry	-	2
Chem 347	Lab Techniques	-	3
		<u>15</u>	<u>15</u>

¹Refer to section General Studies for the Transfer Student.

²Approved substitutes for General Studies.

³Students in the College of Science must take one year of foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

Third and Fourth Years

Students fulfill remaining General Studies requirements and select physiology courses according to professional interests and remaining departmental requirements.

Physiology As A Major

In addition to adequate equipment for all routine work, the following facilities are available to our graduate students: An RCA and a Hitachi electron microscope as well as a shadowcaster, photographic equipment, knifebreaker, and ultramicrotome; isotopic equipment including scalars and monitors; fully equipped animal room, autoclave, several varieties of analytic balances, refrigerated centrifuges; constant temperature baths and ovens; walk-in cold rooms; electrophoresis equipment; Warburg apparatus; physiographs; fraction collectors; oscilloscopes; blood gas apparatus, electrocardiograph; strength testing equipment.

Dr. Matthew Freund - Department Chairperson
Department Telephone - 618-453-2583
Location - Life Science II, Room 245

The Department of Plant and Soil Science includes field crop production, horticulture and soils. There are many widely varied opportunities for students with an interest in plants or soils. The program is designed to provide thorough training in both theory and practice. Although the business option is oriented toward the student interested in working in business and industry, he or she still may select courses in a wide choice of electives from throughout the School of Agriculture and the University. Opportunities for individual program development may be realized through work experience, internships, special studies, and seminars. A course of study in international agriculture can be taken if the student so desires.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 140 A	Survey of Chemistry	-	4
Botany 200, 201	General Botany	4	-
GSB 202	Introduction to Psychology	3	-
AgI 204	Agricultural Economics	-	3
GSC	Humanities (select)	3	3
GSD 101	English Composition	3	-
GSD 117 or 118	English Composition (select one)	-	2
GSE	Health and Physical Development	2	2
PLSS 200	Principles of Field Crop Production	-	3
		<u>15</u>	<u>17</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	2	-
GSB	Social Studies (select)	3	-
GSC	Humanities (select)	-	3
GSD 107	Mathematics	4	-
GSD 153	Speech	-	3
PLSS 220	General Horticulture	3	-
PLSS 240	Soil Science	-	4
GSA or B or C elective		-	3
Acct 210	Accounting Principles and Control	-	3
Chem 140b	Survey of Chemistry	4	-
		<u>16</u>	<u>16</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives. A total of 40 hours in agriculture is required which includes 28 hours in Plant and Soil Science, and 7 hours from two other departments in the School of Agriculture. Of the 28 required hours in Plant and Soil Science, at least 15 hours must be at the 300- and 400-level, with no less than 9 hours at the 400-level. In addition, the student must take either Marketing 304 or Ag Industries 360, Ad Sc 301, 7 hours of business electives, and Botany 320. The student may select courses within the university for 8 hours of outside electives.

Plant And Soil Science As A Major

Numerous job opportunities are available for graduates of this option. The department maintains close contact with potential employers and assists students in finding internships and permanent positions. A minor is not required and there is no foreign language requirement. An honors program and a work experience program are available.

Dr. Gerald D. Coorts - Chairperson
 Department Telephone - 618-453-2496
 Location - Agriculture Building, Room 176

The Department of Plant and Soil Science includes in its program a new option in Environmental Studies. The program is designed to familiarize the student with environmental problems relating to plants and soils. Thorough training in the solution to these problems will prepare students for interesting careers with environmental protection agencies, pollution control boards and other agencies.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Botany 200, 201	General Botany	4	-
Chem 224, 225	Intro. to Chem. Prin.	-	7
GSB 220	Survival of Man	3	-
Econ 214	Intro. to Macroeconomics	-	3
GSC 221	Survival of Man	-	3
GSC	Humanities (select)	3	-
GSD 101	English Composition	3	-
GSD 118	Technical Report Writing	-	2
GSE	Health and Physical Devel. (select)	2	-
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 330	Weather	-	3
GSB 212	American Government & Politics	4	-
GSC	Humanities (select)	-	3
GSD 107	Mathematics	4	-
GSD 153	Speech	-	3
GSA, B or C elective		3	-
GSE	Health and Physical Devel. (select)	2	-
AG 333	Agr. & Forestry Env. Problems	-	3
Econ 215	Introduction to Micronomics	3	-
PLSS 220	General Horticulture	-	3
		<u>16</u>	<u>15</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives. The student must enroll in the following courses: Ani 455-2, Agri 401-3, and 440-3; Bot 320-4; Econ 333-3, PLSS 200-3, 240-4, 381-1, 419-3, 420-4, 441-3, 447-3, and 468-3, PolS 325-3 and 340-3; and TEE 314-4. In addition, the student may select courses within the university for 3 hours of outside electives, and 9 hours of electives in the School of Agriculture.

Environmental Studies As A Major

Numerous job opportunities are available for graduates of this option. The department maintains close contact with employers and assists students in finding internships and permanent positions. A minor is not required and there is no foreign language requirement. An honors program and a work experience program are available.

Dr. Gerald D. Coorts, Chairperson
Department Telephone: 618/453-2496
Location - Agriculture Building, Room 176

The Department of Plant and Soil Science includes field crop production, horticulture and soils. There are many widely varied opportunities for students with an interest in plants or soils. The program is designed to provide thorough training in both theory and practice. Although the general option is production oriented, the student may select elective courses from the School of Agriculture and the University. Opportunities for individual program development may be realized through work experience, internships, special studies, and seminars. A course of study in international agriculture can be taken if the student so desires.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 140A	Survey of	-	4
Botany 200, 201	General Botany	4	-
GSB	Social Studies (select)	3	-
AGI 204	Agricultural Economics	-	3
GSC	Humanities (select)	3	3
GSD 101	English Composition	3	-
GSD 117 or 118	English Composition (select one)	-	2
GSE	Health and Physical Development (select)	2	2
PLSS 200	Principles of Field Crop Production	-	3
		<u>15</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	2	-
GSB	Social Studies (select)	3	-
GSC	Humanities (select)	-	3
GSD 107	Mathematics	4	-
GSD 153	Speech	-	3
PLSS 220	General Horticulture	3	-
PLSS 240	Soil Science	-	4
GSA or B or C elective		-	3
Chem 140b	Survey of Chemistry	4	-
PLSS elective		-	3
		<u>16</u>	<u>16</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives. A total of 45 hours in agriculture is required which includes 28 hours in Plant and Soil Science, 7 hours from two other departments in the School of Agriculture and Botany 320-4. Of the 28 required hours in Plant and Soil Science, at least 15 hours must be at the 300- and 400-level with no less than 9 hours at the 400-level. In addition, the student may select courses within the university for 19 hours of outside electives.

Plant And Soil Science As A Major

Numerous job opportunities are available for graduates of this option. The department maintains close contact with potential employers and assists in finding internships and permanent positions. A minor is not required and there are no foreign language requirements. An honors program and a work experience program are available.

Dr. Gerald D. Coorts - Chairperson
 Department Telephone - 618-453-2496
 Location - Agriculture Building, Room 176

RECOMMENDED PROGRAM

PLANT AND SOIL SCIENCE
 (Landscape Horticulture)
 School of Agriculture

The Department of Plant and Soil Science includes in its program a new option in Landscape Horticulture. The program is designed to provide thorough training in both theory and practice to prepare students for interesting careers in landscaping or gardening in parks, playgrounds, residential or industrial areas, road and street parkway improvement and maintenance, and in other public and private work to make the environment more pleasing and useful.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
Chem 140 A	Survey of Chemistry	-	4
Botany 200, 201	General Botany	4	-
GSB 202	Introduction to Psychology	3	-
AgI 204	Agricultural Economics	-	3
GSC	Humanities (select)	3	3
GSD 101	English Composition	3	-
GSD 117 or 118	English Composition (select one)	-	2
GSE	Health and Physical Development (select)	2	2
PLSS 220	Principles of Field Crop Production	-	3
		<u>15</u>	<u>17</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select)	-	2
GSB	Social Studies (select)	3	-
GSC	Humanities (select)	-	3
GSD 107	Mathematics	4	-
GSD 153	Speech	-	3
PLSS 240	Soil Science	-	4
GSA, B, or C elective		3	-
AdSc 301	Management and Supervision	-	3
PLSS 200	Principles of Field Crop Production	-	3
AGI 376	Applied Graphics	2	-
Chem 140b	Survey of Chemistry	4	-
		<u>17</u>	<u>15</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives. The student must enroll in the following courses: Biol 307-3, Bot 320-4, 456-4 or 457-3, Geog 470a-3, PLSS 327a, b-2,2; 328a, b-2,2; 381-1, 420-4, 322-3, 423 or 432-4; Pols 340-3. In addition, the student may select courses within the university for 4-7 hours of outside electives, 6-7 hours of electives in the School of Agriculture, and 5 hours of electives in the department of Plant and Soil Science.

Landscape Horticulture As A Major

Numerous job opportunities are available for graduates of this option. The department maintains close contact with employers and assists students in finding internships and permanent positions. A minor is not required and there is no foreign language requirement. An honors program and a work experience program are available.

Dr. Gerald D. Coorts - Chairperson
 Department Telephone - 618-453-2496
 Location - Agriculture Building, Room 176

The Department of Plant and Soil Science includes field crop production, horticulture and soils. There are many widely varied opportunities for students with an interest in plants or soils. The program is designed to provide thorough training in both theory and practice. Although the science option is oriented toward the student interested in an advanced degree, he or she still may select elective courses from the School of Agriculture and the University. Opportunities for individual program development may be realized through work experience, internships, special studies, and seminars. A course of study in international agriculture can be taken if the student so desires.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 101	Insights Mod. Comm. Systems	-	3
Botany 200, 201	General Botany	4	-
Chem 222a	Intro. to Chem. Prin.	4	-
Agri 204	Agricultural Economics	-	3
GSC	Humanities (select)	3	3
GSD 101	English Composition	3	-
GSD 117 or 118	English Composition (select one)	-	2
GSE	Health and Physical Development (select)	2	2
PLSS 200	Principles of Field Crop Production	-	3
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	3	-
Math 110 or 111	College Algebra and Trigonometry	5	-
GSA or B or C elective		3	-
PLSS 220	General Horticulture	3	-
PLSS 240	Soil Science	-	4
Chem 222b	Intro. to Chem. Prin.	-	4
AG electives		-	2
GSD 153	Public Communications	-	3
		<u>15</u>	<u>16</u>

Third and Fourth Years

The last two years of a student's program concentrate on specific professional objectives. A total of 40 hours in agriculture is required which includes 28 hours in Plant and Soil Science, and 7 hours from two other departments in the School of Agriculture. Of the 28 required hours in Plant and Soil Science, at least 15 hours must be at the 300- and 400-level with no less than 9 hours at the 400-level. In addition, the student must take Botany 320, Chem 340 and 341 and 10 hours of courses in Mathematics, Physical Sciences, or Biological Sciences. The student may select courses within the university for 7 hours of outside electives.

Plant And Soil Science As A Major

Numerous job opportunities are available for graduates of this option. The department maintains close contact with many universities and research laboratories and assists in placing students. A minor is not required and there is no foreign language requirement. An honors program and a work experience program are available.

Dr. Gerald D. Coorts - Chairperson
Department Telephone - 618-453-2496
Location - Agriculture Building, Room 176

RECOMMENDED PROGRAM

POLITICAL SCIENCE¹
(Government)
College of Education

The Department of Political Science offers an undergraduate major in the College of Liberal Arts and the College of Education. The major requires a minimum of thirty-four hours in Political Science courses. A minimum GPA of 2.0 is required. Furthermore, at least three courses must be taken at the 400 level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB 202	Introduction to Psychology	3	-
GSB 211 ³	Contemporary Economics	-	3
GSB 212	Introduction to American Government and Politics	-	3
GSC	Humanities (select) ²	3	3
GSD 101	English Composition ²	3	-
GSD 117, 118 or 119	Writing (select) ²	-	2
GSE	Health and Physical Development	2	-
GSD	Mathematics (select) ²	-	4
Ed 201	Teacher's Role in Public School Education	-	1
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSC	English Elective in Humanities	3	-
AmHist ³		-	3
GSB 250 ³	Introduction to Comparative Government and Politics	3	-
GSE 201	Healthful Living	-	2
GSD 153	Public Communication (see below)	2	-
Elective ^{2,4}		4	4
Elective ^{2,4}		-	4
ED 301	Human Growth, Development and Learning	2	-
		<u>17</u>	<u>16</u>

¹See also the program under the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Recommended but not required.

⁴Elective hours should be used in the following ways: (1) students may explore areas of interest; (2) in order to select a minor.

Political Science As A Major

The following specific General Studies courses are required for teacher certification. (These courses may be completed during the freshman and sophomore years.): GBS 202, Introduction to Psychology; GSB 212, Introduction to American Government and Politics, or GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118 or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; and one additional English course (GSC, GSD or departmental).

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

POLITICAL SCIENCE
College of Liberal Arts

The Department of Political Science offers an undergraduate major in the College of Liberal Arts and the College of Education. The major requires a minimum of thirty-four hours in Political Science courses. A minimum GPA of 2.0 is required. Furthermore, at least three courses must be taken at the 400 level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Science (select) ¹	3	-
GSB 211 ²		-	3
GSB 212		-	4
GSC	Humanities (select) ¹	3	3
GSD	English Composition ¹ and one of 117, 118 or 119	3	2
GSE	Health and Physical Development (select) ¹	2	-
GSD	Math (select) ¹	-	4
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSC	Humanities (select) ¹	3	-
Am Hist ²		-	3
GSB 250 ²		3	-
GSE	Health and Physical Development (select) ¹	-	1
GSD	Speech (select) ¹	2	-
Elective ^{1,3}		4	4
Elective ^{1,3}		-	4
		<u>15</u>	<u>15</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Recommended but not required.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (refer to College of Liberal Arts section).

Political Science As A Major

The study of political science is concerned with predicting, explaining, and evaluating the political behavior, beliefs, laws, and organizational arrangements of people in a variety of settings.

Students may select a program from a wide range of courses in such fields as theory and methodology, American politics, public law, public administration, comparative politics and international relations.

A political science major may matriculate in either the College of Liberal Arts or the College of Education. The former will receive a B.A. degree from the College of Liberal Arts, the latter a B.S. degree from the College of Education. Undergraduate requirements for this major are identical. Other requirements may vary with the college. The Department of Political Science encourages majors to pursue a diversified curriculum. Those interested in foreign affairs should stress a foreign language. The political science student should be aware that mathematics and statistics are increasingly important in the study of the social sciences, including political science. The ability to write lucid English prose is also a decided asset. Students considering concentrating in political science should seek advice about planning their college programs from the Department of Political Science faculty.

Dr. John Baker - Chairperson
Department Telephone - 618-536-2371
Location - Faner Building, Room 3081

The SIU-C preidental program meets the general requirements of all United States dental schools. It is designed by the Predental Advisory Committee to prepare students for taking the Dental Admission Test not later than spring of the junior year. The Committee and the Health Professions Information Office are available to offer information and guidance to pre-dental students and to assist in the process of application to professional schools.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSC	Humanities	-	3
GSD 101	English Composition	3	-
GSD 117 or 118	Expository or Technical Writing	-	2
GSE	Human Health and Well Being	1	1
Chem 222a, b ¹	Introduction to Chemical Principles	4	4
Math 110a, b ²	College Algebra and Trigonometry	3	2
Zool 220a, b ²	Zoology	4	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	-	3
GSD 152 or 153	Interpersonal or Public Communication	2	-
Chem 344, 346	Organic Chemistry	4	2
Chem 345, 347	Organic Chemistry Laboratory	2	3
Phys 203a, b	College Physics	3	3
Phys 253a, b	College Physics Laboratory	1	1
GSC	Humanities (select)	3	-
GSE	Human Health and Well-Being	1	1
Eng 290	Intermediate Expository Writing	-	3
		<u>16-17</u>	<u>16</u>

¹Students who expect to take the Dental Admission test after three years and complete a baccalaureate degree before entering dental school (and who are not chemistry majors) may postpone chemistry until the second year.

²Students who do not have a strong background in high school biology may choose to begin with Zool 118, General Zoology.

Third and Fourth Years

If all requirements are completed, students may take the Dental Admission Test in spring of their sophomore or fall of their junior years and apply for entry after three years of undergraduate preparation. Most students, however, are admitted to dental schools after four or more years of preparation. Students may choose any major and must complete the departmental, college and university requirements for a degree. No preference among possible majors is given by the professional schools. In addition to required courses, it is recommended that the student choose from among the following courses, as his or her time permits: Genetics, Cellular Biology, Embryology, Developmental Biology, Comparative Anatomy, Microbiology, Biochemistry, Psychobiology, 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. Although competition for spaces in the dental schools is severe, there is a continuing need for additional dentists. Dentistry is becoming increasingly involved in interdisciplinary practice, focusing on the medical and social aspects of dental health, stressing preventive dental care, and becoming involved in community health care delivery as well as the traditional private practice.

Patricia Sims
 Health Professions Information Office
 Departmental Telephone - 618-5362147
 Location: Neckers A-181

The Association of American Law Schools and the Southern Illinois University School of Law follow the policy that the effectiveness of prelegal study cannot be advanced by prescribing courses of study or extracurricular activities. Instead, primary emphasis is directed toward the development in pre-law students of 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 which 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. A student is therefore advised to place as much emphasis on the liberal arts as his or her own program 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.*

Courses in English composition and public speaking develop the power of clear and well-ordered expression. Preparation in composition is essential and preparation in public speaking is of great value.*

The fields of history (particularly English and American history), political science, psychology, economics, and sociology are important to an appreciation of human institutions and values and their relation to law.*

An understanding of financial statements and of elementary accounting principles has become almost indispensable.

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.

*Refer to the section General Studies for the Transfer Student to determine what courses may be taken to satisfy the university's general education requirements.

Pre-Law

Pre-Law is not a major in that students cannot receive a degree in Pre-Law. Since most law schools now require applicants to possess a bachelor's degree, students are advised to select a major and academic unit where they would like to obtain a degree.

These are specific courses that are recommended and can be taken on the SIU campus during students' junior and senior years.

Pre-Law Advisor
Telephone - 618-453-3388
Location - Faner Hall, 1229 - Liberal Arts Advisement

In the premedical technology program offered by SIU-C, students may take two years of courses and apply to an upper level (junior and senior years) professional school or take three years of courses and apply to an accredited hospital training laboratory for twelve months of professional training. Satisfactory completion of either program results in the baccalaureate degree.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSC	Humanities (select)	-	3
GSB	Social Sciences (select)	-	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Select from Expository, Technical or Creative Writing	-	2
GSE	Health and Physical Development (select)	1	1
Chem 222a,b	Introduction to Chemical Principles	4	4
Math 110a,b	College Algebra and Trigonometry	3	2
Zool 118	General Zoology	4	-
		<u>15</u>	<u>16</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	3	-
GSD 152 or 153	Interpersonal or Public Communication	-	2
GSE	Health and Physical Development (select)	1	1
Chem 344, 346	Organic Chemistry	4	2
Chem 345, 347	Laboratory Techniques	2	3
Phsl 210	Introduction to Human Physiology	-	4
Biol	select	3	-
		<u>16</u>	<u>15</u>

Third Year

Students enter a two year program at a university which offers an upper level medical technology program and awards the bachelor's degree, or

Students take microbiology and other biological science courses to complete premedical technology requirements, plus taking courses necessary to satisfy degree requirements at SIU-C (foreign language, remaining general studies requirements and basic physiology or other departmental requirements). A year of physics is recommended. Application must be made to hospitals where training may be completed.

Fourth Year

Upon acceptance by the hospital training laboratory, students complete twelve months of classes and supervised work in the laboratory. Credits from this training are transferred back to SIU-C to count toward total graduation requirements. Training is followed by a licensing examination by the Registry of Medical Technologists of the American Society of Clinical Pathologists. Training in an accredited program, passing the examination, and earning a bachelor's degree are necessary before the candidate becomes a registered MT(ASCP).

Medical Technology As A Career

Medical technologists perform scientific, fact finding tests in the laboratory to assist in the diagnosis and treatment of disease. Because of their thorough training, they know the theory behind the test, rather than just "how to do it," and they are able to detect results that are not in accord with the clinical evidence. Medical technologists may work in hospitals or clinics, independent laboratories, research facilities or industry. Advancement is available with further training in nuclear medical technology, blood banking, or in graduate degree programs leading to positions in teaching and administration.

Patricia Sims, Coordinator
Health Professions Information Office
Departmental Telephone 618-536-2147
Location: Neckers A-181

At SIU-C the premedical program is guided by the Premedical Advisory Committee. Through the Health Professions Information Office students are able to find information concerning 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.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	-	3
GSD 101	English Composition	3	-
GSD 117 or 118	Expository or Technical Writing	-	2
GSD 112	Statistics (or select from math recommendations)	-	2
GSE	Human Health and Well-Being (select)	1	1
Math III	College Algebra-Trigonometry	5	-
Zool 220a,b ¹	Zoology	4	4
		<u>16</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	3	-
GSC	Humanities (select)	3	-
GSD 152 or 153	Interpersonal or Public Communication	2	-
CHEM 222a,b	Introduction to Chemical Principles	4	4
ENG 290	Intermediate Expository Writing	-	3
PHYS 203a,b	College Physics	3	3
PHYS 253a,b	College Physics Laboratory	1	1
Electives	Select from degree requirements or from courses recommended for premed students	-	5
		<u>16</u>	<u>16</u>

¹Students who do not have a strong background in high school biology may choose to begin with Zool 118, Introductory Zoology.

Third and Fourth Years

Premedical students must complete organic chemistry in the third year in order to take the Medical College Admission Test in the spring of that year. Application procedures require a year.

Premedical 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 that premedical requirements are taken. If a science major is chosen, there will be considerable overlapping of requirements. Additional courses recommended for premedical preparation include genetics, cellular biology, embryology or developmental biology, comparative anatomy, microbiology, biochemistry, psychobiology, additional mathematics, and social sciences. If the major chosen is in the College of Science, a year of foreign language will be required.

Medicine As A Career

Medical training will require another three calendar or four academic years, plus residency, depending on the school and field of medicine chosen. 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 Information Office and Premedical Committee.

Medicine today offers both promise and challenge, whether students are interested in becoming primary physicians, physician specialists or medical scientists. Prevention as well as cure, and the extension of health care to all of society have become important goals in the preparation of physicians.

The flexibility with which the premedical student at SIU-C may approach their total undergraduate preparation as well as the quality of the premedical requirements make it possible for students to achieve an excellent premedical preparation.

Patricia Sims
Health Professions Information Office
Telephone - 618-536-2147
Location - Neckers A-181

RECOMMENDED PROGRAM

PRE-NURSING
Preprofessional
(Pre-major Advisement)
General Academic Programs

The baccalaureate degree in nursing is offered at Southern Illinois University at Edwardsville. Students may complete selected General Studies and nursing prerequisites at Carbondale during their first two years and apply for admission to the School of Nursing at SIU-Edwardsville for junior and senior years.

The total program is designed for those who wish to become registered nurses or registered nurses who wish: (1) to strengthen their scientific basis for nursing practice, (2) to broaden and deepen their general educational and cultural background, and (3) to obtain a baccalaureate degree to qualify for further study on the graduate level.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 115**	Introductory Biology	3	-
GSB 203	Sociology	-	4
GSC 208	Logic	-	3
GSD 101	English Composition	3	-
GSD 117	Expository Writing	-	2
GSD 107	Intermediate Algebra	4	-
GSD 153	Public Communication	2	-
Chem 140a,b	Chemistry (inorganic, organic, and biochemistry)	4	4
GSA 208, 209	Principles of Physiology and Lab	-	4
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Phsl 301	Human Anatomy	-	4
GSB 202	Psychology	3	-
Micro 301	Principles of Microbiology	4	-
GS		3	-
GS		2	-
HEd 311	Growth and Development	-	3
GSA 101		-	3
N285***		-	3
		<u>12</u>	<u>13</u>

**Zool 118 may be substituted for GSA 115.

***N285 is taught by Edwardsville on the Carbondale campus as an extension course during the fall of each year, and costs \$30.00.

At present it takes 7 quarters to complete the Nursing program at Edwardsville starting with the first clinical course, Nurs 310.

As soon as possible after completion of the Fall Semester, the student should initiate application to the School of Nursing at SIU-E.

A grade of "C" or above is required in all Nursing courses, all science courses and General Studies Area A. Students with an overall 3.5 grade point average (on a 5-point scale) will be considered admissible up to the limit of available space.

Science courses from other institutions must be evaluated by the School of Nursing, Edwardsville. Constitution requirement is still required at Edwardsville.

Billie Jacobini
General Studies Division
Telephone - 618-453-4351
Location - Woody Hall, Wing C, Room C-5
or

Mary Goss
Pre-Major Advisement
Telephone - 618-453-4351
Location - Woody Hall, Wing C

RECOMMENDED PROGRAM

PRE-OPTOMETRY
Preprofessional
(Select Academic Unit)

SIU-C is able to offer a high quality preparation for pre-optometry students. Sixty semester hours of college courses are required before students can be admitted to optometry school. Many applicants have additional preparation, thus making admission more competitive. Illinois College of Optometry reports that more than half the students admitted in recent years hold a baccalaureate degree.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	-	3
GSC	Humanities (select)	3	-
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Select from Expository, Technical or Creative Writing	-	2
Chem 222a,b	Introduction to Chemical Principles	4	4
Math 110a,b, ¹	College Algebra and Trigonometry	3	2
Zool 220a,b	Zoology	4	4
		<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	3	-
Chem 340, 341	Organic Chemistry	6	-
GSC	Humanities (select)	-	3
GSD 152 or 153	Interpersonal or Public Communication	-	2
FL	Foreign Language (select)	4	4
Phys 203a,b	College Physics	3	3
Phys 253a,b	College Physics Laboratory	1	1
Psych	(select)	-	3
		<u>17</u>	<u>16</u>

¹Students who do not have a strong background in high school biology may choose to begin with Zool 118, Introductory Zoology.

Third and Fourth Years

Students may complete a major at SIU-C before entering optometry school. Choice of a major is up to the students, but additional science and mathematics courses may enhance probabilities of being accepted by the optometry school. If students are accepted prior to earning a bachelor's degree, they have the option of acquiring that degree by taking certain requirements of the professional school or of bypassing the bachelor's degree and earning the doctor of optometry (O.D.) degree only.

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. It is estimated that 25,000 newly trained optometrists will be needed by 1990.

Patricia Sims, Coordinator
Health Professions Information Office
Telephone - 618-536-2147
Location - Neckers A-181

RECOMMENDED PROGRAM

PREPHARMACY
Preprofessional
(Select Academic Unit)

Students can achieve excellent preparation for pharmacy school by taking their first year at SIU-C, and applying for admission to a pharmacy school in the second (first professional) year of the five year program. Admission to the pharmacy school becomes more difficult when the student is seeking admission as a third year student. The guide below includes courses currently required for transfer to St. Louis College of Pharmacy or University of Illinois College of Pharmacy.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 203	The Sociological Perspective	-	4
GSB 212	American Government and Politics ¹	-	4
GSD 101	English Composition	3	-
GSD 117 or 118	Expository or Technical Writing	-	2
Chem 222a,b	Introduction to Chemical Principles	4	4
Zool 118	Introduction to Zoology	4	-
Bot 200 and 201	Introduction to Botany (lecture and lab)	-	4
Math 111	Algebra-trigonometry	5	-
		<u>16</u>	<u>18</u>

(Students who wish to apply to both pharmacy schools may need to enroll in additional courses during the summer term.)

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology ¹	-	3
GSD 152 or 153	Interpersonal or Public Communication ¹	2	-
GSC	Humanities (select from literature courses)	-	3
Chem 344, 346	Organic Chemistry	4	2
Chem 345, 347	Laboratory Techniques	2	3
Phys 203a,b	College Physics	3	3
Phys 253a,b	College Physics Laboratory	1	1
Math 140-4 or	Calculus ²	4	-
Math 282	Statistics ¹	(3)	-
		<u>16 (15)</u>	<u>15</u>

¹Requirement of St. Louis; will be accepted as elective by University of Illinois.

²Requirement of University of Illinois; will be accepted as elective by St. Louis.

NOTE: If prepharmacy students plan to spend a second year at SIU-C, they must be in touch with a pharmacy school to ascertain current requirements and admission procedures. In addition, the students will probably be required to attend a summer session at the professional school to pick up specialized courses normally taught in the second year.

If students decide to change majors and earn a degree at SIU-C, they must consult an academic advisor immediately to plan curricula that include all SIU-C requirements.

Third, Fourth and Fifth Years

Students must spend a minimum of three years in the professional school. The degree earned is a Bachelor of Science in Pharmacy. Most states require twelve months of practical experience under the supervision of a registered pharmacist before granting a license. Some of this experience may be accumulated during summer vacations.

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. Graduate programs are available for pharmacists who seek advancement to careers requiring a master's or doctorate degree.

Patricia Sims
Health Professions Information Office
Department Telephone - 618-536-2147
Location - Neckers A-181

RECOMMENDED PROGRAM

PREVETERINARY MEDICINE
Preprofessional
 (Select Academic Unit)

This curriculum is based on the requirements for application to University of Illinois College of Veterinary Medicine. Although students may apply to professional school after two years undergraduate preparation, most accepted students have completed a degree. Students may choose to spread the required preveterinary sciences through a third year. If a degree is to be completed, a major may be chosen in either the College of Agriculture or the College of Science.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Select from Expository, Technical or Creative Writing	-	2
GSD 152 or 153	Interpersonal or Public Communication	-	2
GSE	Human Health and Well Being (select)	1	1
Bot 200, 201	General Botany and Laboratory	-	4
Chem 222a,b	Introduction to Chemical Principles	4	4
Math 110a,b	Algebra-Trigonometry	3	2
Zool 118	General Zoology	4	-
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	3	3
GSC	Humanities (select)	3	3
GSE	Human Health and Well Being	1	1
Chem 344, 346	Organic Chemistry	4	2
Chem 345, 347	Organic Chemistry Laboratory	2	3
Phys 203a,b	College Physics	3	3
Phys 253a,b	College Physics Laboratory	1	1
		<u>17</u>	<u>16</u>

Third and Fourth Years

Students will choose a major and complete the requirements of that major and college. In addition to required preveterinary courses, there are recommended courses from which the student may choose in accordance with his available time. These include Science of Animals, Production and Processing of Animals, Horses, Animal Nutrition, Behavioral Manipulation of Animals, Vertebrate Zoology, Comparative Anatomy, Genetics, Cell Physiology, Environmental Biology, and Organismic Functional Biology.

Veterinary Medicine As A Career

After acceptance into the professional school, completion of training in veterinary medicine requires four years. Illinois residents are effectively limited to applying to the University of Illinois because other veterinary schools accept residents of their own states or of states having no veterinary school. Competition for available spaces in the professional schools exceeds that for human medical training. With the diversity of offerings at SIU-C, however, the preveterinary students have an opportunity to develop related or alternate interests at the same time that they are preparing themselves to apply to the veterinary school.

Professional veterinarians have a wide variety of career choices. They may choose 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.

Patricia Sims
 Health Professions Information Office
 Departmental Telephone 618-536-2147
 Location: Neckers A-181

RECOMMENDED PROGRAM

PSYCHOLOGY
College of Liberal Arts
(Bachelor of Arts)

The psychology major consists of ten psychology courses counting GSB 202 as a requirement and GSA 302 as an elective for a total of 30-32 hours. College algebra is also required. See the catalog for the specific psychology requirements.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117,118,119	Writing (select one)	-	2
GSE	Health and Physical Development (select) ¹	2	2
Math 139	Finite Math	3	-
Elective ²		-	3
		14	16
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 202	Introduction to Psychology	3	-
GSB	Social Science (select) ¹	-	3
GSC	Humanities (select) ¹	-	3
GSD	Speech (select) ¹	2	-
Psyc ²		-	3
Elective ²		3	3
Elective ²		3	3
		14	15

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Psychology As A Major

The major program serves three main classes of students: 1) those who wish an interesting major but who plan no postgraduate academic work, 2) those who plan non-psychology graduate work for which an undergraduate major may be useful (e.g., medical school, social welfare, rehabilitation counseling), and 3) those preparing for graduate work in psychology. As a consequence, the program is aimed at providing broad general education rather than training in specialized psychological skills.

Dr. James McHose, Chairperson
Department Telephone - 618-536-2301
Location - Life Science 11, 281

A major in Radio and Television may be pursued through the School of Communications. Such a program leads to the Bachelor of Science degree with specializations in programming, management, commercial management, newscasting and special events, production, announcing, and writing. The department's program is designed to prepare the student for a career in one of the several phases of the professional broadcasting industry. The department is closely integrated with the University Broadcasting Service which operates stations WSIU-FM, WUSI-TV, and WSIU-TV with complete and technically professional activities. As part of his or her training, the student is required to achieve actual experiences in the phases of broadcasting. Broadcasting occupations such as directors, producers, announcers, supervisors, technicians, and time salesmen are some of the positions available to graduates.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	3
*GSD 101, 117, or 119	English Composition ²	3	2
GSD 153	Speech	2	3
GSE	Health and Physical Development (select) ¹	1	-
Elective	Electives ³	4	3
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	-	3
GSD 107, or 110 and 112	Basic College Math	4	-
GSE	Health and Physical Development (select) ¹	2	1
*R&T 300m	Broadcast Performance/Production/Writing	4	-
*R&T 300p	Programming and Foundations	-	4
Elective	Electives ³	3	3
		<u>16</u>	<u>17</u>

*Required courses for a major in Radio and Television.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Each student in Radio and Television must by the end of his or her sophomore year either achieve a grade of "B" in both GSD 101, 117, or 119 or a grade of "C" in English 290 (Advanced Composition).

³Students should consult with the department regarding the use of elective hours. There is much variation in the requirements according to the specialization the student selects (general, performance, writing, programming, news and public affairs, television production or radio production).

⁴Radio and Television 300m and p, must each be completed with at least a grade of "C" before any other courses in the Department of Radio and Television are taken.

Radio and Television as A Major

A secondary concentration (minor) is required in a related field.

Radio-Television students must also either demonstrate proficiency in typing at 30 words per minute by passing a test administered by the Department of Secretarial and Business Education, or pass SCR 101A (Typewriting) with a grade of "B."

Dr. Charles T. Lynch - Chairperson
Department Telephone - (618) 453-4343
Location - Communications Building, Room 1056

RECOMMENDED PROGRAM

RECREATION

(Park and Community Recreation)
(Recreation for Special
Populations)
(Outdoor Recreation)
(Commercial Recreation)
(Program Specialist)
College of Education

The Department of Recreation prepares the student for positions in the management of leisure time pursuits.

The curriculum emphasizes the practical as well as the theoretical aspects of recreation by offering practicums, supervised field experiences, and internships in various recreation settings throughout Illinois and the nation.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 312	Conservation of Natural Resources	-	3
GSA	Science (select) ¹	3	-
*GSB 203	The Sociological Perspective	4	-
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117, 118, or 118	Writing (select) ¹	-	2
GSE	Health and Physical Education Activity	1	1
*Rec 300	Introduction to Leisure and Recreation	3	-
*Rec 302	Institutional Recreation Program	-	3
		<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 240	Ecology of Man	3	-
*GSA 303	Ferns, Trees and Wildflowers	-	3
*GSB 321	Socialization of the Individual	3	-
GSC	Humanities (select) ¹ (additional English required)	3	3
*GSD 110	Economics and Business Statistics ²	2	-
GSD	Math (select) ¹	2	-
GSD 152 or 153	Speech	-	2
GSE	Health and Physical Education Activity (select) ¹	1	-
GSE 103	Dance ³	-	1
*Rec 305	Recreation Programming and Leadership	-	3
*HED 334	Standard First Aid	2	-
Rec	Elective	-	3
		<u>16</u>	<u>15</u>

¹ Refer to section General Studies for the Transfer Student. See also the Undergraduate Catalog for specific departmental requirements.

² Students must take GSD 110 or Sociology 308: Statistics for Social Science.

³ Required for program specialist option.

*Departmental requirements.

Recreation As A Major

Each student is expected to choose courses which will give a broad background in recreational activities and skills.

Students concentrating in recreation are encouraged to obtain the following certificates: American Red Cross Life Saving and Water Certificate, American Camping Association Camp-craft Certificate, workshop certificates in recreation sponsored by the state and national recreation and park associations, and other certificates in instructional areas are desirable in preparation for positions in recreation management.

Dr. William O'Brien - Chairperson
Department Telephone - 618-453-4331
Location - College View Dorm, 408 West Mill,
Room 21

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 106

Religious studies interprets whatever a person cares most about as that person's religion. If this kind of caring focuses on God and the church or synagogue, then that religion is one of the traditional types in the western world. Or it could be an eastern type such as Hinduism, Buddhism, or Yoga, or some psychological expression such as Transcendental Meditation. We also study secular "religious loyalties" such as nationalism, marxism, "the American way of life." In each topic of study we use several methods, historical, psychological, sociological, philosophical, literary. In any case, the university does not promote any one religion; it tries to provide a sympathetic and critical analysis of as many religions as possible, without letting the student's personal preference influence his or her grade.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Science - Sociology (select) ^{2,3}	-	3
GSB	Social Science - (select) ²	3	-
GSC	Humanities - Foreign Language (Greek or Hebrew) ³	4	4
GSD	English Composition and one of I17, I18 or I19 ²	3	2
GSD	Math (select) ²	-	4
GSE	Health and Physical Development ²	<u>2</u>	<u>2</u>
		15	15
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Science - Psychology (select) ^{2,3}	3	-
GSC	216, 217 ¹	3	3
GSC	Humanities ²	-	3
GSD	Speech	2	-
Elective ⁴		4	3
Elective ⁴		<u>-</u>	<u>3</u>
		15	15

¹Required by major. Prerequisite to most religious studies courses.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Recommended but not required.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Religious Studies As A Major

Since religious studies uses many methods, there can be no rigid prerequisite for students entering the field. However, it is obvious that a person with background in the social sciences, in history, or in language and literature will have a distinct advantage. Certain courses in these areas, if religion-related, can be counted toward a religious studies major in individual cases.

Professor John F. Hayward - Chairperson
Department Telephone - 618-453-3067
Location - Faner Building, Room 3044

Programs of study in foreign languages leading to the Bachelor of Arts degree in the College of Liberal Arts (with or without teacher certification) are offered in Classical Studies, French, German, Russian, and Spanish.

Students majoring in a foreign language usually begin at the second or third-year level. The student who has completed two or more years of high school work in French, German, Russian, or Spanish may take a placement/proficiency exam.

In addition to the personal satisfaction and substantial growth in intellectual resources that come with mastery of a new language, there are numerous types of employment and career possibilities that are opened up by appropriate training in foreign languages. These can be classified as: 1) employment in non-language areas where language proficiency is a supporting factor, and 2) language-centered careers. Government agencies (federal, state, and many local), and businesses that have international dealings, employ great numbers of individuals on the basis of skills that are basically non-linguistic (scientists, engineers, librarians, social workers).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	-	3
GSB	Social Science (select) ²	3	3
GSC	Humanities (select) ²	3	-
GSD	English Composition ² and one of II7, II8, or II9	3	2
Russ I36a,b	Elementary Russian ⁴	4	4
GSE	Health and Physical Development (select) ²	2	-
GSD	Math (select) ²	-	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Science (select) ²	-	3
GSC	Humanities (select) ²	3	-
GSD	Speech (select) ²	2	-
*Russ 201a,b	Intermediate Russian ⁴	3	3
*Russ 220a,b	Intermediate Russian Conversation ⁴	2	2
GSE	Health and Physical Development (select) ²	2	-
Elective ^{2,3}		-	3
		<u>15</u>	<u>14</u>

*Counts in the 36 hour Russian major requirement.

¹See also the program under the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

⁴Proficiency exams can be taken in this course.

Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU-C.

Russian As A Major

A major in Russian consists of 36 semester hours in courses above the 100 level with a minimum of 14 hours on the 300 level and 12 hours on the 400 level. FL 436, Methods in Teaching Modern Foreign Languages, is recommended. A minor in Russian consists of 18 semester hours in courses above the 100 level.

Dr. Eugene Timpe - Chairperson
Department Telephone - 618-5365571
Location - Faner Building, Room 2166

A major in Social Studies may be pursued through the Department of Curriculum, Instruction and Media in the College of Education. Course work includes the areas of history, political science, economics, geography, and anthropology - psychology - sociology. Such a major is designed to prepare individuals for teaching in junior and senior high schools.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
*GSA 330	The Atmospheric Environment	-	3
*GSB 104	Man and His World: Anthropology	3	-
*GSB 202	Introduction to Psychology	3	-
*GSB 212	Introduction to American Government & Politics	4	-
GSC	Humanities (select) ¹	-	3
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select) ¹	-	2
GSD	Speech (select) ¹	-	2
GSE 201	Healthful Living	-	2
Educ 201	Teacher's Role in Public School Education	-	1
*Pol Sci 213	State and Local Government	-	3
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
*GSB 300	History of U. S. 1492 to 1877	3	-
*GSB 301	History of U. S. 1877 to Present	-	3
GSC	Humanities (select) ¹	3	3
GSD	Math (select) ¹	4	-
GSE	Health and Physical Education Activity	1	1
*Econ 214	Introduction to Macro Economics	-	4
*Soc 301	Principles of Sociology	-	4
GSC	English Humanities Elective (required)	-	3
		<u>17</u>	<u>18</u>

¹ Refer to the section General Studies for the Transfer Student.

² Refer to the Undergraduate Catalog for specific major requirements.

*Required courses in Social Studies.

Social Studies As A Major

Students should be aware of requirements for entrance into the Teacher Education Program.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

Dr. Donald Paige - Chairperson
Telephone - 618-453-2239
Location - Wham Building, Room 327

RECOMMENDED PROGRAM

SOCIAL WELFARE
 Division of Social and
 Community Services
 College of Human Resources
 (Bachelor of Science)

The Social Welfare program at Southern Illinois University offers a professional curriculum which is designed to meet the educational needs of students with career interests in the human services field and leads to a Bachelor of Science degree in Social Welfare. The curriculum provides an interdisciplinary approach to understanding man 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 and groups and to communities.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB 202	Psychology ²	3	-
GSB 203	Sociology ²	-	4
GSC	Humanities (select) ¹	3	3
GSD 113	Mathematics ³	2	-
GSD 110 or 112	Mathematics ³	-	2
GSD 101	English Composition	3	-
GSD	English Composition (select one from GSD 117, 118, 119)	-	2
GSE	Health and Physical Development (select)	1	1
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 212	American Government ²	-	4
GSC	Humanities (select) ¹	3	-
GSD	Speech or Alternate GSD	-	2
GSE	Health and Physical Development (select) ¹	2	-
GSB	Select ¹	-	3
Soc Wel 375	Social Welfare as a Social Institution ⁴	3	-
Soc Wel 380	Methods of Social Work I ⁴	-	3
Health Ed 311	Human Growth & Development	3	-
Electives		1	3
		<u>15</u>	<u>15</u>

Third and Fourth Year

The last two years of a student's program concentrate on specific professional objectives. The student will complete 54 hours in the major area which includes 41 hours in Social Welfare, 10 hours, comprising one course each of Sociology, Psychology and Political Science and 10 hours of approved electives.

Two of the basic courses in the curriculum are field experiences. In these courses the student attends weekly seminars and works a minimum of 20 hours each week under supervision in an approved social service agency where he/she provides direct services to clients. Placements may be over two semesters half time, or for one semester full time. Field placements may not begin during summer semester. Arrangements can be made for field practicum in approved social service agencies away from the University, under special circumstances.

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the selection, General Studies for the Transfer Student.

²Students are recommended to take the Area B courses recommended above as pre-requisites to 300 and 400 level program courses which are required for the major.

³These 4 hours to include statistics are recommended for Social Welfare majors rather than Algebra. However, 4 hours of Algebra would meet General Studies requirements and would not cause any problems.

⁴These courses are required for a Social Welfare major. For specific information regarding the acceptability of a major requirements from a junior college, Dr. Ira Erlich of the Social Welfare program may be contacted.

Dr. Anita Rosen - Coordinator
 Telephone - 618-536-5558
 Location - Quigley Hall, Room 4

Dr. Ira Ehrlich - Divisional Executive Officer
 Division of Social and Community Services
 Telephone - 618-536-5558
 Location - Quigley Hall, Room 7

The sociology curriculum provides the student with an understanding of social problems, processes, development, structures, institutions and movements and with the concepts and methods used to study them. The sociology major is intended to be part of a broad education which will develop insights and understandings about social arrangements. Its intent is to prepare the student to live a satisfying and meaningful life and to pursue a career in areas where critical insight and breadth of perspective are criteria of success. The areas include a wide range of occupations in government, business and public service. A major in sociology provides a sound background for advanced study not only in sociology and other social behavioral sciences but in social welfare, corrections, recreation, educational administration and other applied fields. It also provides a useful background for professions such as the law and the ministry.

The sociology major requires a minimum of 32 semester hours, 12 of which are at the 400 level and must include Sociology 497--senior seminar.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Science (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GSD	English Composition ¹ and one of II7, II8, or II9	3	2
GSD	Speech (select) ¹	2	-
GSD	Math (select) ¹	4	-
GSE	Health and Physical Development (select) ¹	2	2
Elective ²		-	4
		<u>14</u>	<u>14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB-203	The Sociological Perspective ³	4	-
GSB-202	Introduction to Psychology ³	-	3
GSC	Humanities (select) ¹	3	3
Elective ²		4	4
Sociology		-	3
		<u>14</u>	<u>16</u>

¹To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

²Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

³Prerequisite to most sociology courses.

⁴Recommended but not required.

Sociology As A Major

There are numerous resources available to sociology students including a comprehensive sociology library in Morris Library, statistical laboratories, and computer facilities for those students interested in both humanistic and quantitative sociology. The curriculum provides flexibility in a variety of teaching, learning formats including seminars, individual projects and individual reading courses.

Dr. Jerry Gaston - Chairperson
Department Telephone - 618-453-2494
Location - Faner Building, Room 3384

RECOMMENDED PROGRAM

SPANISH¹
College of Liberal Arts

Programs of study in foreign languages leading to the Bachelor of Arts degree in the College of Liberal Arts (with or without teacher certification) are offered in Classical Studies, French, German, Russian, and Spanish.

Students majoring in a foreign language usually begin at the second or third-year level. The student who has completed two or more years of high school work in French, German, Russian, or Spanish may take a placement/proficiency exam.

In addition to the personal satisfaction and substantial growth in intellectual resources that come with mastery of a new language, there are numerous types of employment that are opened up by appropriate training in foreign languages. These can be classified as: 1) employment in non-language areas, and 2) language-centered careers. Government agencies (federal, state, and many local), and businesses that have international dealings, employ great numbers of individuals on the basis of skills that are basically non-linguistic (scientists, engineers, librarians, social workers).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	-	3
GSB	Social Science (select) ³	3	3
GSC	Humanities (select) ³	3	-
GSD	English Composition ³ and one of II7, II8, or II9	3	2
Span 140a,b or Span 190 ²	Elementary Spanish ⁵	4	4
GSE	Review of Elementary Spanish	(5)	-
GSD	Health and Physical Development (select) ³	2	-
	Math (select) ³	-	4
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ³	3	3
GSB	Social Science (select) ³	-	3
GSC	Humanities (select) ³	3	-
GSD	Speech (select) ³	2	-
*Span 201a,b	Intermediate Spanish ⁵	3	3
*Span 220a,b	Intermediate Spanish Conversation ⁵	2	2
Elective ^{3,4}		<u>3</u>	<u>3</u>
		<u>16</u>	<u>14</u>

*Counts in the 36 hour Spanish major requirement.

¹See also the program under the College of Education.

²A review course on the first year level for students who have had two or more years of high school Spanish or equivalent.

³To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

⁴Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

⁵Proficiency exams can be taken in this course.

Transfer students who major in a foreign language must complete a minimum of 12 semester hours in language courses at SIU-C.

Spanish As A Major

A major in Spanish consists of 36 semester hours in courses above the 100 level with at least 12 hours on the 300 level and 12 hours on the 400 level. A minor in Spanish consists of 18 semester hours in courses above the 100 level. At least one course in the history of Spain or Latin America is recommended for all students majoring in Spanish but the course may not be counted toward the major. One year of Portuguese is also recommended. A summer travel-study program in Mexico is available.

Dr. Eugene Timpe - Chairperson
Department Telephone - 618-536-5571
Location - Faner Building, Room 2166

In the Department of Special Education, teachers are prepared to work with behaviorally disordered, mentally retarded, and learning disabled children. Students seeking the Standard Special Certificate will complete a 120 semester hour program leading to approval in one of the three handicap areas listed above. Students who wish to obtain joint certification in special education and elementary education must complete a 144 to 149 hour program.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	-
GSC 100	Music Understanding	2	-
GSC 101	Introduction to Art	-	3
GSD 101	English Composition	3	-
GSD 117 or 119	Expository or Creative Writing	-	2
GSD 107	Intermediate Algebra	4	-
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development (select) ¹	-	2
Ed 201	Teacher's Role in Public Education	-	1
Electives		-	3
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB 202	Introduction to Psychology	3	-
GSD 300 or 301	U. S. History	-	3
GSC	Humanities (select) ¹	3	-
GSC	Literature (select) ¹	-	3
GSD 153	Public Communications	2	-
Ed 301	Human Growth, Development, and Learning	-	2
Mus 101	Music Fundamentals	2	-
Mus 302	Music in Special Education	-	2
Math 309	Mathematics for Elementary Teachers	3	-
GSB 212	American Government	-	4
		<u>16</u>	<u>14</u>

¹Refer to the section General Studies for the Transfer Student.

Must include one music and one art course. The Department of Special Education offers two plans leading to the Standard Special Certificate in special education teaching. See the SIUC Undergraduate Catalog for specific information concerning the major.

Special Education As A Major

To include the following required courses: GSB 202, Introduction to Psychology; GSB 212, American Government OR GSB 300 or 301, History of the United States; GSC 100, Music Understanding; GSC 101, Introduction to Art, or GSC 205, Innovation for the Contemporary Environment; Music 101, Fundamentals of Music for GSC (substitution); GSD 101, English Composition; GSD 117, 118 or 119, Expository, Technical or Creative Writing; GSD 153, Public Communication; GSD 107, Intermediate Algebra (or equivalent); and one addition English GSC, GSD or departmental course.

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

Chairperson

Department Telephone - 618-453-2311

Location - Pulliam Hall, Room 127

A major in the Department of Speech Communication provides the undergraduate with a substantial background in the history, theory, and application of verbal and nonverbal communication. The program specializations are designed to develop the language and personal skills for professional, artistic, and instructional careers in human communication; to explore the social and cultural implications of human interaction; to compare the aesthetic and instrumental nature of oral communication; and to provide cosmopolitan and diverse opportunities for the study of and training for communication as personal perception and expression. Program specializations are available in (1) General Speech, (2) Oral Interpretation, (3) Speech Education, (4) Public Relations, and advisement for (5) Special Majors. A degree in speech communication enables the student to secure employment in a variety of professions. General Speech and Public Relations majors are fully prepared to accept positions in such areas as advertising, market research, corporate and consumer relations, all levels of government administration, and related agency work. Speech Education majors are successfully placed as teachers from sixth grade through senior high school. Oral Interpretation majors often pursue careers in theatre, radio and television entertainment, publishing companies, literary criticism, writing, and education. Traditionally, speech communication majors pursue careers in such fields as law, personnel management, politics, career diplomacy, social work, professional negotiation and arbitration, artistic performance, business and industry.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	3	3
GSC	Humanities (select) ¹	3	-
*GSC 200	Oral Interpretation	-	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Interpersonal Communications/ Public Communications	-	2
GSE	Health and Physical Development Activity	1	1
Electives		3	3
		<u>16</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	-	3
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	3	-
GSD	Mathematics (select) ¹	-	4
GSE	Health and Physical Development (select) ¹	1	1
*Spch 221	Public Communication II	3	-
*Spch 230	Introduction to Speech Education	1	-
*Spch 262	Interpersonal Communication II	-	3
Electives		4	4
		<u>15</u>	<u>15</u>

*Departmental requirements.

¹Refer to section General Studies for the Transfer Student.

Speech Communication As A Major

No minor required; no foreign language required.

The Speech Communication Department utilizes direct advisement of all new, transfer, and continuing students.

Graduate degrees (M.A., M.S., and Ph.D.) are available in Speech Communication. Students utilize freedom of electives to build desired specialization.

Dr. Edward McGlone - Chairperson
Dr. Randall Bytwerk - Advisement
Department Telephone - 618-453-2291
Location - Communications Building, Room 2002

A major in the Department of Speech Communication provides the undergraduate with a substantial background in the history, theory, and application of verbal and nonverbal communication. The program specializations are designed to develop the language and personal skills for professional, artistic, and instructional careers in human communication; to explore the social and cultural implications of human interaction; to compare the aesthetic and instrumental nature of oral communication; and to provide cosmopolitan and diverse opportunities for the study of and training for communication as personal perception and expression. Program specializations are available in (1) General Speech, (2) Oral Interpretation, (3) Speech Education, (4) Public Relations, and advisement for (5) Special Majors. A degree in speech communication enables the student to secure employment in a variety of professions. General Speech and Public Relations majors are fully prepared to accept positions in such areas as advertising, market research, corporate and consumer relations, all levels of government administration, and related agency work. Speech Education majors are successfully placed as teachers from sixth grade through senior high school. Oral Interpretation majors often pursue careers in theatre, radio and television entertainment, publishing companies, literary criticism, writing, and education. Traditionally, speech communication majors pursue careers in such fields as law, personnel management, politics, career diplomacy, social work, professional negotiation and arbitration, artistic performance, business and industry.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
GSB	Social Studies (select) ¹	-	3
*GSB 202	Introduction to Psychology	3	-
GSC	Humanities (select) ¹	3	-
*GSC 200	Literary Experience in Action	-	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
GSD 152 or 153	Interpersonal Communication/Personal Communication	-	2
*GSE 103d or 113d	Dance	2	-
Electives		3	3
		<u>17</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
GSB	Social Studies (select) ¹	3	-
GSC	Humanities (select) ¹	-	3
GSD	Mathematics (select) ¹	-	4
GSE	Health and Physical Development Activity	-	2
*Spch 221 or 261	Public Communication II or Discussion/ Conference	3	-
*Spch 262	Interpersonal Communication II	3	-
*Thea 203	Voice and Diction	2	-
*Thea 207	Fundamentals of Theatrical Design	-	2
*Eng Lit	Recommended by Department	-	3
Electives		3	3
		<u>17</u>	<u>17</u>

*Departmental requirements.

¹Refer to section General Studies for the Transfer Student.

Oral Interpretation (Speech) As A Major

No minor required; no foreign language required. The Speech Communication Department utilizes direct advisement of all new, transfer, and continuing students.

Graduate degrees are available in Speech Communication. Students utilize freedom of electives to build desired specialization.

Dr. Edward McGlone - Department Chairperson
Department Telephone - 618-453-2291
Location - Communications Building, Room 2002

A major in the Department of Speech Communication provides the undergraduate with a substantial background in the history, theory, and application of verbal and nonverbal communication. The program specializations are designed to develop the language and personal skills for professional, artistic, and instructional careers in human communication; to explore the social and cultural implications of human interaction; to compare the aesthetic and instrumental nature of oral communication; and to provide cosmopolitan and diverse opportunities for the study of and training for communication as personal perception and expression. Program specializations are available in (1) General Speech, (2) Oral Interpretation, (3) Speech Education, (4) Public Relations, and advisement for (5) Special Majors. A degree in speech communication enables the student to secure employment in a variety of professions. General Speech and Public Relations majors are fully prepared to accept positions in such areas as advertising, market research, corporate and consumer relations, all levels of government administration, and related agency work. Speech Education majors are successfully placed as teachers from sixth grade through senior high school. Oral Interpretation majors often pursue careers in theatre, radio and television entertainment, publishing companies, literary criticism, writing, and education. Traditionally, speech communication majors pursue careers in such fields as law, personnel management, politics, career diplomacy, social work, professional negotiation and arbitration, artistic performance, business and industry.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	3
*GSB 202	Introduction to Psychology	3	-
*GSB 203	The Sociological Perspective	-	4
GSC	Humanities (select) ¹	3	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
*GSD 153 or 152	Public Communication/Interpersonal Communication	2	-
GSE	Health and Physical Development Activity	1	1
*Acct 210	Accounting Principles and Control	-	3
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ¹	3	-
*GSB 211	Contemporary Economics	3	-
*GSB 212	Introduction to American Government and Politics	4	-
GSC	Humanities (select) ¹	-	3
GSD	Mathematics (select) ¹	4	-
GSE	Health and Physical Development Activity	2	-
*Spch 326	Persuasion	-	3
*R&T 300m	Radio and Television Writing Performance Production	-	4
*Jrnl 300	Mass Media in Modern Society	-	3
*Jrnl 310	Writing for the Mass Media	-	3
		<u>16</u>	<u>16</u>

*Departmental requirements.

¹Refer to section General Studies for the Transfer Student.

Note: Students must demonstrate proficiency in typing at least 30 words per minute.

Public Relations (Speech) 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. The Speech Communication Department utilizes direct advisement of all new, transfer, and continuing students.

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.

Dr. Edward McGlone - Department Chairperson
Dr. Donald MacDonald - Advisement
Department Telephone - 618-453-2291
Location - Communications Building, Room 2002

In addition to the regular Speech Communication Major specializations, the department encourages a student with special interests and needs to design his or her own major program. A special major is developed in the following manner:

1. The student should consult the Special Major Advisor of the Speech Department.
2. The student in consultation with the advisor will draft a program which is coherent and unified, showing the courses he or she plans to take, and explaining the purpose of the courses.
3. The completed program should have the support of at least one faculty sponsor and the dean or deans of the academic units involved.
4. Final approval including the title designation of the major must come from the dean of university programs.

The special major must include the standard General Studies requirements, plus a minimum of 28 semester hours attributable to the special major. The Speech Communication Department is prepared to sponsor special majors in the following topics:

- | | |
|---------------------------------|------------------------------------|
| 1. Human Communication | 14. Performing Arts |
| 2. Recreational Communication | 15. Phenomenology of Communication |
| 3. Political Communication | 16. Multi-Media Communication |
| 4. Transactional Communication | 17. Animal Communication |
| 5. Small Group Communication | 18. Language Behavior |
| 6. Interpersonal Communication | 19. Business Communication |
| 7. Public Communication | 20. Agricultural Communication |
| 8. Intra-personal Communication | 21. Communication Studies |
| 9. Transracial Communication | 22. Communication Arts |
| 10. Intercultural Communication | 23. Legal Communication |
| 11. Philosophy of Communication | 24. Marketing Communication |
| 12. Biomedical Communication | 25. Organizational Communication |
| 13. Instructional Communication | |

A student interested in the special major should become aware of the technical requirements for approval of the special program. The Speech Communication Department utilizes direct advisement of all new, transfer, and continuing students. Community college counselors and/or their students should feel free to contact Dr. Richard Lanigan for additional information on these special majors. We urge you to do so where questions arise concerning the articulation of interdepartmental courses.

Dr. Edward McGlone - Department Chairperson
Dr. Richard L. Lanigan - Advisement
Department Telephone - 618-453-2291
Location - Communications Building, Room 2002

RECOMMENDED PROGRAM

SPEECH COMMUNICATION

(Speech Education)

College of Communications and
Fine Arts

A major in the Department of Speech Communication provides the undergraduate with a substantial background in the history, theory, and application of verbal and nonverbal communication. The program specializations are designed to develop the language and personal skills for professional, artistic, and instructional careers in human communication; to explore the social and cultural implications of human interaction; to compare the aesthetic and instrumental nature of oral communication; and to provide cosmopolitan and diverse opportunities for the study of and training for communication as personal perception and expression. Program specializations are available in (1) General Speech, (2) Oral Interpretation, (3) Speech Education, (4) Public Relations, and advisement for (5) Special Majors. A degree in speech communication enables the student to secure employment in a variety of professions. General Speech and Public Relations majors are fully prepared to accept positions in such areas as advertising, market research, corporate and consumer relations, all levels of government administration, and related agency work. Speech Education majors are successfully placed as teachers from sixth grade through senior high school. Oral Interpretation majors often pursue careers in theatre, radio and television entertainment, publishing companies, literary criticism, writing, and education. Traditionally, speech communication majors pursue careers in such fields as law, personnel management, politics, career diplomacy, social work, professional negotiation and arbitration, artistic performance, business and industry.

First Year		Fall	Spring
GSA	Science (select) ¹	3	3
*GSB 202	Introduction to Psychology	3	-
*GSB 212	Introduction to American Government and Politics	-	4
*GSC 203	Drama and Arts of the Theater	2	-
*GSC 200	Literary Experience in Action	-	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ¹	-	2
*GSD 153 or 152	Public Communication/ Interpersonal Communication	-	2
GSE	Health and Physical Development Activity	1	1
*GSE 201	Healthful Living	2	-
*ED 201	Teacher's Role in Public School Education	1	-
		15	15
Second Year		Fall	Spring
GSA	Science (select) ¹	3	-
GSB	Social Studies (select) ¹	-	3
GSC	Humanities (select) ¹	-	4
GSD	Mathematics (select) ¹	4	-
*Spch 221	Public Communication II	3	-
*Spch 230	Introduction to Speech Education	1	-
*Spch 261	Discussion and Conference	-	3
*ED 301	Human Growth, Development and Learning	2	-
*Spch 262	Interpersonal Communication II	-	3
Electives		3	3
		16	16

*Departmental requirements.

¹ Refer to section General Studies for the Transfer Student.

College of Education requires for certification: GSB 212 or 300, GSD 101, GSD 117, 118 or 119, GSD 153, GSE 100-114 (2 hours), GSE 201, and one additional English course from GSC, GSD or department.

See also Speech Communication in the College of Education.

Speech Education As A Major

A student interested in the major should become aware of the requirements for entrance into the Teacher Education Program. The Speech Communication Department utilizes direct advisement of all new, transfer, and continuing students. The Speech Communication Department strongly recommends that students pursue the B.S. degree in the College of Communications and Fine Arts.

Dr. Edward McGlone - Department Chairperson

Dr. Beth Norwood - Advisement

Department Telephone - 618-453-2291

Location - Communications Building, Room 2002

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

A major in the Department of Speech Communication provides the undergraduate with a substantial background in the history, theory, and application of verbal and nonverbal communication. The program specializations are designed to develop the language and personal skills for professional, artistic, and instructional careers in human communication; to explore the social and cultural implications of human interaction; to compare the aesthetic and instrumental nature of oral communication; and to provide cosmopolitan and diverse opportunities for the study of and training for communication as personal perception and expression. Program specializations are available in (1) General Speech, (2) Oral Interpretation, (3) Speech Education, (4) Public Relations, and advisement for (5) Special Majors. A degree in speech enables the student to secure employment in a variety of professions. General Speech and Public Relations majors are fully prepared to accept positions in such areas as advertising, market research, corporate and consumer relations, all levels of government administration, and related agency work. Speech Education majors are successfully placed as teachers from sixth grade through senior high school. Oral Interpretation majors often pursue careers in theatre, radio and television entertainment, publishing companies, literary criticism, writing, and education. Traditionally, speech majors pursue careers in such fields as law, personnel management, politics, career diplomacy, social work, professional negotiation and arbitration, artistic performance, business and industry.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
*GSB 202	Introduction to Psychology	3	-
*GSB 212	Introduction to American Government and Politics	-	4
*GSC 203	Drama and Arts of the Theater	2	-
*GSC 200	Literary Experience in Action	-	3
GSD 101	English Composition	3	-
GSD 117, 118 or 119	Writing (select) ²	-	2
*GSD 153 or 152	Public Communication/Interpersonal Communication	-	2
GSE	Health and Physical Development Activity	1	1
*GSE 201	Healthful Living	2	-
*ED 201	Teacher's Role in Public School Education	1	-
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Studies (select) ²	-	3
GSC	Literature (select) ²	-	3
GSD	Mathematics (select) ²	4	-
*Spch 221	Public Communication II	3	-
*Spch 230	Introduction to Speech Education	1	-
*Spch 261	Discussion and Conference	-	3
*ED 301	Human Growth, Development and Learning	2	-
*Spch 262	Interpersonal Communication II	-	3
Electives		3	3
		<u>16</u>	<u>15</u>

*Departmental requirements.

1See also Speech in the College of Communications and Fine Arts.

2

Refer to section General Studies for the Transfer Student.

College of Education requires for certification: GSB 202; GSB 212, 300, or 301; GSD 101; GSD 117, 118 or 119; GSD 153; GSE 100-114 (2 hours); GSE 201; and one additional English course from GSC, GSD or department.

Speech Education As A Major

Admission to the university does not assure admission to the Teacher Education Program. See Teacher Education program.

Dr. Edward McGlone - Department Chairperson

Dr. Randall Bytwerk - Advisement

Departmental Telephone - 618-453-2291

Location - Communications Building, Room 1003

Coordinator of Teacher Education Services

Telephone - 618-536-2329

Location - Wham Building, Room 108

RECOMMENDED PROGRAM

SPEECH COMMUNICATION¹
College of Liberal Arts
 (Bachelor of Arts)

A major in speech is obtainable from the Department of Speech Communication, through the College of Communications and Fine Arts, College of Liberal Arts, or the College of Education. Courses offered by the Speech Communication Department include principles of speech, phonetics, semantics, discussion, argumentation and debate, persuasion, public address, the oral interpretation of prose and poetry, public relations, and interpersonal communications. Majors in this area may find positions in many phases of business and industry, particularly those relying on the effective communication of ideas and information.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Science (select) ²	3	3
GSC	Humanities (select) ²	-	3
GSD	English Composition ² and one of II7, II8, or II9	3	2
GSD 152 or 153		2	-
GSD	Math (select) ²	-	4
GSE	Health and Physical Development (select) ²	2	2
Elective ^{2,3}		<u>2</u>	<u>-</u>
		15	14
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Science (select) ²	-	3
GSC 200		3	-
GSC	Humanities (select) ²	-	3
*Sp 22I		3	-
*Sp 26I		-	3
Elective ^{2,3}		4	3
Elective ^{2,3}		<u>3</u>	<u>-</u>
		16	15

*Required for major.

¹This is not a professional concentration, but a liberal arts concentration. See also the programs under the College of Communications and Fine Arts and the College of Education.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Elective hours should be used to explore areas of interest and to enhance career opportunities; or courses may be selected to satisfy Liberal Arts requirements (see College of Liberal Arts section).

Dr. Ed McGlone - Chairperson
 Department Telephone - 618-453-2291
 Location - Communications Building, Room 2002

RECOMMENDED PROGRAM

SPEECH PATHOLOGY AND AUDIOLOGY
 (Clinical Specialization)
 (Public School Specialization)
 College of Communications and
 Fine Arts

The program in speech pathology and audiology has as its objective the training of qualified personnel to work with people impaired in either speech or hearing. The undergraduate curriculum is broad in scope and gives the student the necessary background for the professional program offered at the master's level. Both state and national certification require the master of science degree.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Introduction to Biology	3	-
*GSA 209	Principles of Physiology	-	3
*GSB 202	Introduction to Psychology	3	-
*GSB 203	The Sociological Perspective	3	-
GSC	Humanities (select) ¹	3	3
GSA, GSB, or GSC	Select ¹	-	3
GSD 101	English Composition	3	-
GSD 107	Intermediate Algebra	-	4
GSE 201	Healthful Living	-	2
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	(select) ¹	3	-
*GSB 206	Applied Child Development	3	-
GSC	(select) ¹	3	-
GSD 152	Interpersonal Communication or 153 Public Communication	-	2
GSE	Health and Physical Development (select) ¹	1	1
GSD 117	Expository Writing	2	-
PSYC 301	Child Psychology	-	3
SP&A 200	Phonetics	3	-
SP&A 203	Introduction to Speech Science	-	3
SP&A 205	Introduction to Speech Pathology	-	3
ED 201	Teacher's Role in Public Education** or PSYC 211 Research Methods in Psychology***	- 1	1 + 2 (4)
		<u>15</u>	<u>15 (16)</u>

* Required for Speech Pathology and Audiology majors.

** Public School Specialization, plus 2 hours of GS elective credit.

***Substitute for Clinical Specialization.

¹Refer to section: General Studies for the Transfer Student.

Speech Pathology and Audiology As A Major

Clinical experience is obtained for all students through work at the University's Clinical Center, the public schools in student teaching, special summer programs, the Marion Veterans Administration Hospital, A.L. Bowen Children's Center, the Anna State Hospital and area hospitals.

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 and Hearing Association and the Standard Special Certificate - Certificate in Speech and Language Impaired.

John P. Moncur, Chairperson
 Department Telephone - 618-453-4301
 Location - Communications Building, Room 1003

RECOMMENDED PROGRAM

SPEECH PATHOLOGY AND AUDIOLOGY
(Public School Specialization)
College of Education

The program in speech pathology and audiology has as its objective the training of qualified personnel to work with people impaired in either speech or hearing. The undergraduate curriculum is broad in scope and gives the student the necessary background for the professional program offered at the master's level. Both state and national certification require the master of science degree.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
*GSA 115	Introduction to Biology	3	-
*GSA 209	Principles of Physiology	-	3
*GSB 202	Introduction to Psychology	3	-
*GSB 203	The Sociological Perspective	3	-
GSC	Humanities (select) ¹	3	3
GSA, GSB, or GSC	Select ¹	-	3
GSD 101	English Composition	3	-
GSD 107	Intermediate Algebra	-	4
GSE 201	Healthful Living	-	2
		<u>15</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Select ¹	3	-
*GSB 206	Applied Child Development	3	-
GSC	English, Elective in Humanities	3	-
GSD 152 or 153	Interpersonal Communication	-	2
GSD	Public Communication	-	2
GSD	Health and Physical Development (select) ¹	1	1
GSD 117	Expository Writing	2	-
Psyc 301	Child Psychology	-	3
SP&A 200	Phonetics	3	-
SP&A 203	Introduction to Speech Science	-	3
SP&A 205	Introduction to Speech Pathology	-	3
Ed 201	Teacher's Role in Public Education	-	1
Elective		-	2
		<u>15</u>	<u>15</u>

*Required for Speech Pathology and Audiology majors.

¹ Refer to section: General Studies for the Transfer Student.

Preparation for teacher certification should include the following courses taught via General Studies: GSD 202, Introduction to Psychology; GSB 212 or GSB 300 or 301; GSD 101; GSD 117 or 118 or 119; GSD 153; GSE 100-114 (2 hours); and one additional English course from GSC, GSD or department.

Speech Pathology As A Major

Clinical experience is obtained for all students through work at the University's Clinical Center, the public schools in student teaching, special summer programs, the Marion Veterans Administration Hospital, A. L. Bowen Children's Center, the Anna State Hospital and area hospitals.

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 and Hearing Association and the Standard special Certificate - Certificate in Speech and Language Impaired.

John P. Moncur - Chairperson
Department Telephone - 618-453-4301
Location - Communications Building, Room 1003

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

RECOMMENDED PROGRAM

THEATER¹
 (Acting-Directing Option)
 (Design-Technical Option)
 (Playwriting-Dramatic Literature
 Option)
 (Dance Option)
 College of Communications and
 Fine Arts

Instruction and training in all phases of dramatic production for the stage and in basic techniques for dramatic production in television, radio, and motion pictures are provided.

Education for dramatic production entails (1) training and practice in acting, directing, and technical production (stage management, crew work, the planning and execution of costumes, lighting, and scenery); (2) understanding of the essential nature of theater art through study of theater esthetics, history, and criticism; (3) survey of theater management practice; (4) a study of the principles and techniques of playwriting and; (5) a knowledge of dramatic literature.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	-
GSB	Social Studies (select) ²	3	3
GSC 203	Drama and Arts in Theater	2	3
GSD 101	English Composition	3	2
GSD 152	Interpersonal Communications	2	-
GSD 107, 110, 112	Basic College Math (select one) ²	-	4
GSE	Health and Physical Development (select) ²	2	2
*Thea 203	Voice and Diction	-	2
		<u>15</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA	Science (select) ²	3	3
GSB	Social Studies (select) ²	3	-
GSC	Humanities (select) ²	-	3
*Thea 211b,c	Staging Techniques	2	2
*Thea 213	Stage Movement	2	-
*Thea 217	Acting	2	2
*Thea 207	Fundamentals of Theatrical Design	2	-
Electives ³		<u>3</u>	<u>6</u>
		<u>17</u>	<u>16</u>

*Required courses for a major in Theater.

¹See also the programs under the College of Liberal Arts.

²To determine what courses may be taken to satisfy the general education requirements for this program, please refer to the section, General Studies for the Transfer Student.

³Students should consult with the department regarding the selection of courses to fulfill this requirement.

Theater As A Major

No minor is required. Graduate degrees available.

The Southern Players, under the supervision of the Theater faculty, produce each year five full-length plays, and three programs of original one-acts. Each fall the Touring Theater, a troupe composed of students, tour Southern Illinois for several weeks, performing daily a full-length play for adults and a play for children. Each summer a resident stock company produces a playbill in the air-conditioned University Theater.

Many opportunities for practical experience with more production activity than most theater departments.

A few tuition scholarships are available.

Students can participate in the production of new plays.

Numerous opportunities available to see Broadway touring shows brought to campus.

Mr. Darwin Payne - Chairperson
 Departmental Telephone - 618-453-5741
 Department Location - Communications Building, Room 1033

A curriculum developed in zoology provides one with a knowledge of animals, their biology and conservation. The 22 faculty members of the Department of Zoology represent a wide range of these professional zoological disciplines. A wide variety of courses is offered in the biologically rich and diverse environment of Southern Illinois with excellent study facilities in a new \$11 million life science building equipped with specialized laboratories, computer facilities, research museum, and animal quarters. Associated are the Cooperative Fisheries and Wildlife Laboratories which make important contributions to the education of many undergraduates.

The department's faculty and graduate students provide personal opportunities for student introduction to interesting specialties. This is augmented by the unique INDIVIDUALIZED CURRICULUM prepared for each student majoring in zoology. Arrangements are made through the Director of Undergraduate Studies for each student to select a faculty advisor to plan with him or her a specific program of courses in zoology and supporting areas (usually other biological sciences, math and chemistry).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212, 300, or 301	American Government or U. S. History	4	-
GSD 101	English Composition	3	-
GSD 117, 118, or 119	Writing (select) ²	-	2
GSE 201	Healthful Living	-	2
GSE	Health and Physical Development Activity (select) ²	1	-
*Math III	College Algebra and Trigonometry	5	-
Zool 120a,b	Introduction to Invertebrate and Vertebrate Zoology	4	4
**Chem 224	Introduction to Chemical Principles	-	5
**Chem 225	Introduction to Laboratory Techniques	-	2
		<u>17</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select) ²	3	3
GSC	English Elective in Humanities (select) ²	3	-
GSC	Humanities (select) ²	-	3
GSD 153	Public Communication	-	2
GSE	Health and Physical Development Activity	-	1
**Biol 305	Genetics - Classical and Molecular	3	-
**Biol 307	Environmental Biology	-	3
ED 201	Teacher's Role in Public School Education	1	-
Zool 300	Vertebrate Embryology	4	-
Zool Elective		-	4
		<u>14</u>	<u>16</u>

*Approved substitute for GSD Math.

**Approved substitutes for GSA.

¹Should also have a minor in Botany. See also the program under the College of Science.

²Refer to the section General Studies for the Transfer Student.

Zoology As A Major

Students pursuing a Bachelor of Science in Education are not required to complete a foreign language.

Refer to the Undergraduate Catalog for specific major requirements.

To include the following required courses: GSB 212, Introduction to American Government and Politics OR GSB 300 or 301, History of the United States; GSD 101, English Composition; GSD 117, 118, 119, Expository, Technical, or Creative Writing; GSD 153, Public Communication; GSE 100-114 (2 hours), Physical Education Activities; GSE 201, Healthful Living; One additional English course (GSC, GSD, or departmental); Math III or 110a,b, College Algebra and Trigonometry.

Coordinator of Teacher Education Services
Telephone - 618-536-2329
Location - Wham Building, Room 108

A curriculum developed in zoology provides one with a knowledge of animals, their biology and conservation. The 22 faculty members of the Department of Zoology represent a wide range of these professional zoological disciplines. A wide variety of courses is offered in the biologically rich and diverse environment of Southern Illinois with excellent study facilities in a new \$11 million life science building equipped with specialized laboratories, computer facilities, research museum, and animal quarters. Associated are the Cooperative Fisheries and Wildlife Laboratories which make important contributions to the education of many under-graduates.

The department's faculty and graduate students provide personal opportunities for student introduction to interesting specialities. This is augmented by the unique INDIVIDUALIZED CURRICULUM prepared for each student majoring in zoology. Arrangements are made through the Director of Undergraduate Studies for each student to select a faculty advisor to plan with him or her the specific program of courses in zoology and supporting areas (usually other biological sciences, math and chemistry).

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	-	3
GSC	Humanities (select) ¹	-	3
GSD	English Composition	3	-
GSD	English Composition (select from D II7, II8, or II9)	-	2
Math III	College Algebra and Trigonometry ^{1,2,3}	5	-
Elective or			
Chem II5	Introductory General Chemistry ^{1,2,4}	4	-
Chem 222a	Introduction to Chemical Principles ^{1,2,4}	-	4
Zool II8	General Zoology ²	4	-
Zool 220a	Invertebrate Zoology ²	-	4
		<u>16</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB	Social Studies (select)	-	3
GSC	Humanities (select)	2	-
GSD	Speech	2	-
GSE	Health and Physical Development (select)	-	1
Chem 222b	Introduction to Chemical Principles ^{2,4}	4	-
Math	Calculus I40 or I50	-	4
Zool 220b	Vertebrate Zoology	4	-
Biol 307	Environmental Biology	-	3
FL	Foreign Language ^{1,2}	4	4
		<u>16</u>	<u>15</u>

¹Approved substitutes for General Studies.

²The College of Science requires one year of any foreign language, one year of math, 6 semester hours of physical sciences, and 6 semester hours of biological sciences.

³GSD 107 or I½ years of high school algebra is a prerequisite to Math III and II0a.

⁴Chem II5 is for students who have less than one year of high school chemistry. Chem 222a,b or 224, 225 will satisfy Zoology Department requirements for inorganic chemistry. For some students, Chem I40a,b will be adequate.

Majors in zoology should consult with the Director of Undergraduate Studies in Zoology as soon as possible and arrange to develop an individualized curriculum under the supervision of a faculty advisor.

Zoology As A Major

A major in zoology is an appropriate beginning for those planning to specialize in teaching or research in the zoological sciences and allied fields such as conservation, environmental protection, fisheries or wildlife management, dentistry, medicine, or veterinary medicine. Most positions are available in schools, local, state, and federal government agencies, museums, hospitals, and chemical, instrument, food and drug industries.

Graduate degree programs leading to M.A., M.S., and Ph.D. are available.

Dr. George Garoian - Director of Undergraduate Studies
Department Telephone - 618-536-2314
Location - Life Science II, 351 or 355D

SCHOOL OF TECHNICAL CAREERS

B.S. in Technical Careers	Dental Laboratory Technology
Architectural Technology	Electronic Data Processing
Automotive Technology	Electronics Technology
Aviation Technology	Law Enforcement
Avionics Technology	Photographic and Audio-Visual Technology
Commercial Graphics--Design	Mortuary Science and Funeral Service
Commercial Graphics--Production	Physical Therapist Assistant
Construction Technology--Building	Secretarial and Office Specialties
Construction Technology--Civil	Tool and Manufacturing Technology
Correctional Services	(Numerical Control)
Dental Hygiene	Associate Degree in Nursing

The School of Technical Careers, established in 1973, provides both two-year college-level programs and a unique baccalaureate program in technical careers. The associate degree programs qualify students for employment at the semi-professional and technical level in industry, the allied health occupations, and business. A combination of technical courses and general education courses is included in each program to provide a comprehensive preparation for occupational competence.

Scientific and technical changes have increased the possibilities for employment at the technician's level. For every professional person, industry and business requires two to seven properly trained technicians.

The School of Technical Careers occupies facilities on the Carbondale campus and on the VTI campus nine miles east of Carbondale near Carterville on Old Route 13. Facilities for the aviation technology program are located at the Southern Illinois Airport, four miles west of Carbondale.

Accreditation: North Central Association of Colleges and Secondary Schools; Council on Dental Education of the American Dental Association; American Board of Funeral Service Educators.

Degrees Offered: Bachelor of Science, Associate in Art, and Associate in Applied Science.

Organizations

Alpha Eta Rho (International Aviation Fraternity), Phi Beta Lambda (International), Sigma Phi Sigma (Mortuary Science), STC Electronics Association, Delta Tau-Dental Lab, Junior SIU American Dental Hygiene Association, and Sigma Phi Alpha (Honorary Dental Hygiene Society).

Transfer Students

Transfer credit is evaluated for acceptance towards University and General Studies (general education) requirements by the Office of Admissions and Records after an admission decision has been made. The evaluation toward satisfying of specific curriculum requirements is done by the department or agency directing the specific curriculum.

The General Studies program at STC includes courses in the social studies (economics, government, and psychology); in the physical sciences (physics, chemistry, and mathematics); and in oral and written communication (speech, English composition, business correspondence, and technical writing). These courses are identical in most cases to those taught on the Carbondale campus, and credit earned in them is transferable if the STC associate degree student decides to continue beyond the two-year program.

For Further Information

Dean
School of Technical Careers
Phone 618-536-3301

STC - Academic Advisement
Telephone - 618-536-5578
or
Office of Admissions and Records
Woody Hall
Phone 618-453-4381

Southern Illinois University at Carbondale
Carbondale, Illinois 62901

The baccalaureate degree program in technical careers is unique to the School of Technical Careers. It is designed to meet educational needs of the career-oriented student which are not filled by existing programs. Many types of previous educational and occupational experience may be applied to this program. The student, in consultation with advisors, develops a course of study designed to meet the individual's own career objectives.

For example, a student who plans to make a career in preventive dental hygiene may combine studies in health, food and nutrition, guidance, and physical education with the dental hygiene program to develop an individualized four-year program.

Or, the individual who wishes to go into graphic arts management might add studies in business, journalism, and administrative science to programs in commercial graphics or printing.

The student whose goal is operation of an automobile dealership or maintenance facility can combine business, management, and industrial technology courses with studies in automotive technology.

One who sees career possibilities in designing funeral home facilities might study architecture, interior design, and mortuary science.

Possible courses of study and combinations of interests in this program are as limitless as the needs of the students enrolled. Every student has a self-designed program to fit a self-defined career goal. There are no restrictions except those basic requirements for all baccalaureate programs set by the University.

Chairperson, Baccalaureate Degree Program
School of Technical Careers
Location - 908 South Wall
Department Telephone - 618-453-5235

The technically-trained person is able to work in the area between the draftsman who simply reproduces another's ideas and the licensed architect who creates, and will find a variety of positions available to him or her within the architectural profession.

A graduate of this program will have basic knowledge and skills for entry into this broad field, where he or she may advance into such specific areas as project coordination, specifications writing, architectural supervision, structural and mechanical engineering and architectural design.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
STC 102	Technical Writing	-	2
STC 105a,b	Technical Mathematics	4	-
STC 107a,b	Applied Physics	-	4
STC 153a,b	Oral Reporting and Conf. Methods	-	4
Arch 111	Architectural Drafting	7.5	-
Arch 112	Architectural Graphics	3.5	-
Arch 113	Architectural History	2	-
Arch 124	Architectural Drawings I	-	6
Arch 125	Architectural Design I	-	4
		<u>20</u>	<u>20</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Arch 214	Architectural Drawings II	6	-
Arch 215	Architectural Design II	4	-
Arch 216	Architectural Engineering I	4	-
Arch 217	Architectural Systems	2	-
Arch 218	Architectural Surveying	3	-
Arch 224	Architectural Drawings III	-	6
Arch 225	Architectural Design III	-	4
Arch 226	Architectural Engineering II	-	4
Arch 229	Architectural Estimating	-	2
Arch 220	Architectural Specifications	-	2
		<u>19</u>	<u>18</u>

¹ A minimum of 77 hours of credit must be completed for graduation.

Architectural Drafting As A Major

The program is approved by the American Institute of Architects, with instruction by licensed architects.

Field trips to nearby cities to study historical and contemporary architecture are made each year. Allowance should be made in the student's budget for equipment and supplies.

Technical courses taught by faculty with years of experience give you an understanding of the architectural and design professions and other components of the building industry, the design and production process, and the historical, mathematical, and physical factors involved. The program covers building materials, systems, and construction, as well as preparation and interpretation of technical communications such as two- and three- dimensional models, charts, and architectural delineations.

Gene Trotter - Program Supervisor
 Department Telephone - 618-453-2524
 Location - Technology Building, Room A222

The fundamental objective of the Automotive Technology program at the School of Technical Careers is to provide students with an opportunity to obtain a solid foundation of knowledge, experience and skills that will assist in job entry and career advancement in many facets of automotive service and related industries.

The automotive service industry has been and will continue to experience rapid changes in technology. Perhaps the greatest changes will occur within the next decade as more fuel-efficient, less polluting motor vehicles become more commonplace. To service today's vehicles, and the vehicles of the future will require highly skilled service technicians which will be skilled in the technologies that have been unknown until just a few short years ago. The skills that will be required will be varied and complex and will require service technicians to specialize in certain specific service areas.

The industry has and will also continue to require personnel that have a thorough understanding of auto maintenance service to fill positions of factory service representatives, service sales personnel, parts managers and parts sales personnel. This program recognizes the various needs of the industry and the needs of its future technicians and will offer an opportunity to obtain a solid foundation of knowledge and provide flexibility for a student to develop a specialty of the student's choosing. Also, upon completion of the associate degree, the student will have an opportunity to obtain additional instruction to aid in developing a technical specialty.

During the first year, each student will be required to enroll in a series of core courses which will provide the student with the opportunity to obtain and develop those skills and technical information considered essential to all service technicians. During the second year the student may choose any four of seven possible areas. In most cases, these courses will deal with advanced instruction in areas covered in the core courses. In each case, however, the student will select the courses, and after successfully completing this work and the general studies requirements the student will be eligible for the associate degree.

Upon the completion of the associate degree and at the option of the student, the student may continue additional automotive studies in part or all of a third year in areas in which courses are available. This allows the student to acquire additional instruction and develop more skills in the various subjects offered.

Instruction in the Automotive program is geared to a thorough presentation of basic fundamental concepts and reinforced with practical applications of those concepts with structured laboratory activities and service and diagnosis of live automobiles. In a vast majority of the courses all units studied will be working or operational units and dynamic testing of the units is an integral part of the course.

Additional expertise is provided to the program through an advisory committee composed of persons chosen for their knowledge of the field and their interest in education.

The student should expect to spend about \$300 for a basic tool kit consisting of both domestic and metric tools and supplies.

The associate degree can be completed in two academic years at Southern Illinois University at Carbondale or in combination with community college or other acceptable extra instructional educational experience.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
AUT 101	Automotive Engines and Fuel Systems Lab	4.5	-
AUT 121	Automotive Engines and Fuel Systems Theory	3	-
AUT 105	Engine Electrical Laboratory	-	4.5
AUT 125	Engine Electrical Theory	-	3
AUT 115	Related Shop Laboratory	2	-
GSD 101	English Composition	3	-
AUT 107	Drive Trains Laboratory	-	4.5
AUT 127	Drive Trains Theory	-	3
AUT 103	Brakes and Chassis Laboratory	4.5	-
AUT 123	Brakes and Chassis Theory	3	-
STC 105a	Technical Mathematics	-	2
STC 153a	Oral Reporting	-	2
		<u>20</u>	<u>19</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
AUT 20*	Automotive Laboratory	4.5	-
AUT 22*	Automotive Theory	3	-
AUT 20*	Automotive Laboratory	4.5	-
AUT 22*	Automotive Theory	3	-
STC 107a	Applied Physics	2	-
STC 107b	Applied Physics	2	-
AUT 20*	Automotive Laboratory	-	4.5
AUT 22*	Automotive Theory	-	3
AUT 20*	Automotive Laboratory	-	4.5
AUT 22*	Automotive Theory	-	3
STC 108	Chemistry of Fuels and Lubricants	-	2
STC 102	Technical Report Writing	-	2
		<u>19</u>	<u>19</u>

*200-Level Automotive Courses: With the aid of an advisor and availability of courses, the student may choose any 4 (2 per semester) 200-level lab and theory combination automotive courses offered.

AUT 201-4.5	Automatic Transmissions Laboratory
AUT 211-3	Automatic Transmission Theory
AUT 203-4.5	Automotive Power Accessories Laboratory
AUT 223-3	Automotive Power Accessories Theory
AUT 204-4.5	Automotive Air Conditioning Laboratory
AUT 224-3	Automotive Air Conditioning Theory
AUT 205-4.5	Advanced Fuel and Emission Systems Laboratory
AUT 225-3	Advanced Fuel and Emission Systems Theory
AUT 207-4.5	Advanced Brakes and Chassis Laboratory
AUT 227-3	Advanced Brakes and Chassis Theory
AUT 208-4.5	Advanced Engine Laboratory
AUT 228-3	Advanced Engine Theory
AUT 209-4.5	Advanced Electrical Systems Laboratory
AUT 229-3	Advanced Electrical Systems Theory

James White - Supervisor
Department Telephone - 618-985-4323
Location - STC Campus

RECOMMENDED PROGRAM

AVIATION TECHNOLOGY
School of Technical Careers
(Associate of Applied Science)

Upon graduation, the student receives the Associate in Technology degree, and depending on his or her area of concentration, is qualified to obtain the Federal Aviation Agency (FAA) Airman Airframe and Powerplant certificate as an A & P maintenance technician, or commercial pilot, and is eligible for the instrument flight rating or the flight rating or the flight engineer written examination.

Skilled technicians are in demand in the rapidly-growing aviation industry, both in airlines and general aviation. The industry demands people who possess a wide range of knowledge and ability provided by general education as well as special technical training.

The student studies reciprocating and jet powerplants, hydraulics, fuel systems, ignition-starting systems, carburetion and lubricating systems, instruments, and powerplant testing in coordinated classroom and laboratory work. The program is fully accredited by the Federal Aviation Administration, and the graduate is qualified to obtain the FAA airframe and powerplant certificate.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
STC 102	English Composition	-	2
STC 105a	Technical Mathematics	2	-
AT 110	Aircraft Structure--Fabrication and Repair	-	4
AT 111	Material and Metal Processing	5	-
AT 112	Aircraft Electricity	4	-
AT 113	Aircraft Instruments and FAR	4	-
AT 201	Applied Science	2	-
AT 203	Aerodynamics and Weight and Balance	-	5
AT 204	Aircraft Hydraulics	-	4
AT 205	Cabin Environment & Jet Transport Systems	-	5
		<u>20</u>	<u>20</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 202	Introduction to Psychology	3	-
GSD 153	Public Communications	-	2
AT 210	A & P Electrical and Ignition Systems	7	-
AT 211	Reciprocating Powerplant	5	-
AT 212	Carburetion, Lubrication and Fuel	5	-
AT 214	Propellers	-	4
AT 215	Powerplant Testing	-	5
AT 216	Jet Propulsion Powerplant	-	6
Elective	Social Science	-	2
		<u>20</u>	<u>19</u>
		<u>Summer*</u>	
AT 225	Aircraft Inspection	6	
AT 230	Powerplant Inspection	6	
		<u>12</u>	

*A minimum of 79 hours satisfied requirements for the associate degree; students who wish to qualify for the FAA A & P licenses are required to take an additional eight weeks of summer school.

Aviation Technology As A Major

Aviation technology facilities are located at the Southern Illinois Airport, three miles NNW of the Carbondale campus and three miles ENE of Murphysboro, Illinois.

Students entering the aviation technology program for the first time must purchase a basic tool kit which costs approximately \$225.

The Aviation Technology Department is acclaimed by many branches of the aviation industry and government agencies as the best school in the nation. It prepares students on animated training panels representing the modern jet transports such as: Boeing 707, 727, 747, and Douglas DC9 aircraft.

A minimum of 79 hours of credit is required for the associate degree.

Executives in the aviation industry constitute an advisory committee which serves the program.

Joseph Schafer - Program Supervisor

Department Telephone - 618-536-3371 Location - Southern Illinois Airport - Between Carbondale and Murphysboro, Illinois.

RECOMMENDED PROGRAM

AVIONICS TECHNOLOGY
 School of Technical Careers
 (Associate of Applied Science)

Technicians skilled in aviation electronics, or avionics, are needed for the development, installation, and maintenance of the sophisticated systems required for modern aviation.

The student in this program can take advantage of the combination of courses available through the Aviation Technology and Electronics Technology programs. He or she will learn basic AC and DE electricity, vacuum tubes and transistors, aircraft integrated flight systems, airborne radar systems, aircraft flight controls and instrumentation systems, transmitters and receivers, and aircraft communications and navigation systems.

The graduate will be able to install, maintain, test, and repair airborne communications and navigation systems and radar equipment. He or she will find opportunities for employment with the airlines, in general aviation, and in aircraft manufacturing.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	-	3
STC 105a,b	Technical Mathematics	4	-
STC 118	Applied Calculus	-	2
Elt 101	DC-AC Circuit Analysis Theory	5	-
Elt 102	Electronics Circuit Theory	-	5
Elt 111	DC-AC Circuit Analysis Lab	6	-
Elt 112	Electronics Circuit Lab	-	6
Elt 121	Electronics Devices	4	-
Elt 122	Propagation and Coupling	-	3
		<u>19</u>	<u>19</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
Elt 203	Basic Avionics Control Theory	3	-
Elt 213	Basic Avionics Control Lab	3	-
STC 232	Labor-Management Problems	3	-
Ata 233	Aircraft Communication & Navigation Systems	5	-
Ata 234	Avionics Laboratory II	6	-
Ata 235	Aircraft Flight Control and Integrated Systems Theory	-	5
Ata 236	Avionics Laboratory III	-	5
Ata 237	Avionics Pulse and Radar Systems Theory	-	5
Ata 238	Avionics Laboratory IV	-	5
		<u>20</u>	<u>20</u>
		<u>Summer*</u>	
GSD 153	Public Communication	2	
Ata 301	Aircraft Electrical Power Distribution and Instrumentation	5	
Ata 302	Avionics Laboratory V	9	
Ata 303	FAR and FCC Regulations	4	
		<u>20</u>	

*To meet federal and industry requirements, the student should plan to take these additional courses offered as a post-associate specialty.

A minimum of 81 hours credit is required for the associate degree.

For further information and required course of study, contact:

Larry Birkhead - Program Supervisor

Department Telephone - 618-536-3371

Location - Southern Illinois Airport - Between Carbondale and Murphysboro, Illinois

The advertising business is a growing field, presenting ever increasing opportunities for men and women who have creative and artistic ability. Trained people are needed to develop story illustrations, advertising layouts, billboard design, point-of-purchase displays, package designs, direct mail pieces, annual report designs, television commercials, title cards, finished lettering, fashion illustrations, airbrush and photo retouching and many others.

Students in this program develop multiple art skills so that they may qualify for initial positions in many different areas of advertising art and design. Each individual has a base upon which to build his or her career according to his or her own special interests and talents.

Each graduating design student is required to pass a vocabulary proficiency test and to have compiled a professionally acceptable portfolio of work.

The student should expect to spend approximately \$560 for supplies, equipment, and materials over a two-year period.

An advisory committee whose members are active in the advertising and graphic design professions serves the program.

All faculty are professionals attracted from industry, hence are uniquely adept in the practical aspects of design.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
CG 110	Art Appreciation	3	-
CG 120	Artistic Anatomy and Color Perception I	4	-
CG 122	Technical Drawing for Graphic Design	4	-
CG 124	Graphic Layout and Typography I	4	-
GSD 101	English Composition	3	-
STC 153a	Oral Reporting (Ir GSD 152)	2	-
CG 130	Artistic Anatomy and Color Perception II	-	4
CG 132	Airbrush and Photo Retouching	-	3
CG 133	Copyfitting	-	1
CG 134	Graphic Layout and Typography II	-	4
STC 199	Individual Study (Photography)	-	2
GSB 200	Level 3 Elective (Psychology Recommended)	-	3
		<u>20</u>	<u>17</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
CG 210	Advertising Graphics	8	-
CG 224	Publication Graphics	8	-
STC 102	Technical Writing (Special Course for Majors)	2	-
STC 153B	Conference Methods (or GSD 153)	2	-
CG 222	Graphic Design and Advertising Illustration	-	8
CG 215	Dimensional Design	-	8
CG 230	Job Orientation	-	1
		<u>20</u>	<u>17</u>

A minimum of 74 hours is required for this program.

John L. Yack - Program Supervisor
 Department Telephone - 618-985-4241
 Location - STC Campus

The growing printing and publishing field offers many career opportunities for trained production specialists and persons with mechanical skills and abilities in management areas.

The Commercial GraphicsProduction student may concentrate on management and production coordination or upon specialties within production such as lithographic stripping and platemaking.

The student will gain experience in the most uptodate printing methods in a fully equipped shop. He or she will learn production and press procedures, lithographic photography, stripping, and platemaking, offset presswork, estimating and cost, and production and finishing processes.

The student who wishes to prepare for a career in management will study business law, office management and supervision, accounting, and other related subjects.

Interested students should contact the Program Supervisor's Office to check on availability of program.

Harry Soderstrom, Program Supervisor
Department Telephone 6189854140

These courses provide training which will enable the individual to qualify for positions of greater opportunity and responsibility after relatively short periods of apprenticeship or trade experience in the fields of construction supervision, cost estimating, management, and building construction.

Field trips to nearby cities to study and observe various types of construction are made each school year. Allowance should be made for the purchase of small amounts of equipment and supplies.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
STC 105a,b	Technical Mathematics	4	-
STC 107a,b	Applied Physics	-	4
Cst 102a	Drafting	4	-
Cst 103a	Construction Materials	4	-
Cst 104	Building Construction Surveying	-	4
Cst 110	Basic Construction I	7	-
Cst 111	Basic Construction II	-	7
Cst 125a	Statics and Strength of Materials	-	3
		<u>19</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
Scr 105a	Accounting	-	3
STC 102	Technical Writing	2	-
Cst 125b	Statics and Strength of Materials	3	-
Cst 208	Construction Cost Estimating	-	3
Cst 210	Advanced Construction I	7	-
Cst 211	Advanced Construction II	-	7
Cst 213a	Structural Design	-	2
Elective	Social Studies	3	-
Elective	Humanities	-	3
		<u>18</u>	<u>18</u>

Construction Technology As A Major

Light building construction offers a multitude of opportunities in the areas of management and supervision.

The student will learn basic construction principles, surveying, drafting and properties of construction materials. He or she will be able to develop construction details and working drawings, to design steel and timber structural members, and to make construction cost estimates, including labor, materials, and schedules. The student will learn code requirements and specifications affecting mechanical equipment such as plumbing, heating, air conditioning, and illumination. He or she will acquire the knowledge necessary for basic management and business positions through the study of business law, labor management relations, technical writing, physical sciences, and mathematics.

The student in this program will have the benefit of facilities of Construction Technology--Civil, as well as a well-equipped work utilization laboratory.

A minimum of 73 hours credit is required for the associate degree.

Harold Osborn - Program Supervisor
 Department Telephone - 618-985-4050
 Location - S.T.C. Campus, L4

These courses provide training which will enable the individual to qualify for positions of greater opportunity and responsibility after relatively short periods of apprenticeship or trade experience in the fields of construction supervision, cost estimating, management, and building construction.

Field trips to nearby cities to study and observe various types of construction are made each school year. Allowance should be made for the purchase of small amounts of equipment and supplies.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
STC 105a,b	Technical Mathematics	4	-
STC 107a,b	Applied Physics	-	4
Cst 101a,b	Surveying	7	7
Cst 102a,b	Drafting	4	4
Cst 103a	Construction Materials	4	-
Cst 125a	Statics and Strength of Materials	-	3
		<u>19</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
STC 102	Technical Writing	-	2
Cst 103b	Construction Materials	4	-
Cst 125b	Statics and Strength of Materials	3	-
Cst 201	Advanced Surveying	-	3
Cst 203	Hydraulics and Drainage	3	-
Cst 207	Construction Planning, Methods & Equipment	-	3
Cst 208	Construction Cost Estimating	-	3
Cst 213a,b	Structural Design	-	5
Elective	Humanities or Social Studies	3	-
		<u>16</u>	<u>16</u>

Construction Technology As A Major

Opportunities abound in the heavy construction industry for the technician who is trained to work in support of engineers or in supervisory of management positions. The graduate of this program may find a position anywhere in the world on such projects as dams, bridges, tunnels, waterway improvements, industrial structures, or in highway construction.

The student will gain basic knowledge of surveying, drafting and design, construction materials and methods, equipment, planning, and estimating. He or she will learn the principles of hydraulics and drainage and the effects of various soils on heavy construction. He or she will develop skills in writing and interpreting technical material, labor management relations, and other areas necessary to work successfully with engineers and construction crews.

The student will have the opportunity to supplement required on-campus laboratory and field work projects with a summer of cooperative work experience.

A minimum of 69 hours credit is required for the associate degree.

Harold Osborn - Program Supervisor
 Department Telephone - 618-985-4050
 Location - S.T.C. Campus

A growing demand for trained correctional workers is being created by increasing emphasis on rehabilitation of criminal offenders. These people are needed both in institutions and in community-based corrections.

This correctional services program has the two-fold purpose of providing a broad-based social science type curriculum to both the person entering the field and to presently employed personnel who wish to upgrade skills for advancement opportunities.

The student will learn the nature and effects of crime on both the perpetrator and the victim, methods used to combat crime in modern society, and various approaches to rehabilitation of the offender. He or she will spend one term in supervised internship working in a correctional agency or social service agency.

Persons already employed in the correctional field may enroll in the program on a part-time basis with the assurance that faculty members will help them to arrange classes compatibly with their work schedules.

Professionals in the field serve on an advisory committee which assists in the program.

A minimum of 62 hours credit is required for this major.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
CLE 103	Introduction to Criminal Justice	3	-
CLE 104	Treatment Methods in Criminal Justice	3	-
GSB 202	Introduction to Psychology	3	-
CLE 115	Interpersonal Relations in Criminal Justice	3	-
GSD 118	Technical Report Writing	-	2
CLE 106	Treatment Practicum	-	3
CLE 107	Supervision in Criminal Justice	-	3
GSB 203	The Sociological Perspective	-	4
GSD 153	Public Communications	-	3
CLE 220	Probation, Parole and Community Based Corrections	-	3
		<u>15</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212	American Government and Politics	4	-
CLE 105	Criminal Behavior	3	-
CLE 209	Criminal Law I	3	-
Electives	(From GSA, GSC or GSE)	4	-
CLE 210	Criminal Law II	-	3
CLE 217	Correctional Administration	-	3
CLE 215	Supervised Internship in Criminal Justice	-	9
		<u>14</u>	<u>15</u>

James Hendricks - Program Supervisor
Department Telephone - 618-453-5262
Location - Faner B 4343

RECOMMENDED PROGRAM

DENTAL HYGIENE
 School of Technical Careers
 (Associate in Art)

The dental hygienist is an important member of the dental health team, and is the only one other than the dentist who is permitted by law to work directly in the mouth of the patient. Both men and women enjoy the profession. All states require the dental hygienist to be licensed and to work under the supervision of a licensed dentist. The hygienist's area of responsibility includes oral prophylaxis (scaling and polishing of the teeth), chairside assisting, x-ray examinations, laboratory techniques, office and administrative procedures, dental health education, and other areas of preventive dentistry.

This program is fully accredited by the Council on Dental Education of the American Dental Association. Available facilities restrict first-year enrollment to 56 students. Interested persons should contact both the SIU Office of Admissions and the dental hygiene faculty. Special application material is included in requirements for admission to the program. Applicants must take the Dental Hygiene Aptitude Test by November of the year preceding the fall in which they wish to enter in order to have the results evaluated with other required material.

This test is sponsored by the American Dental Hygiene Assn., 211 E. Chicago Ave., Chicago, Ill. 60611, and information on testing sites and dates is available from that organization.

Special dental hygiene requirements must be completed by January 15 of the year in which the student plans to enter, or the application will automatically be disqualified.

This means, for example, that applicants wishing to enroll in the fall of 1979 must take the aptitude test no later than November 1978, and complete the admission process by January 15, 1979.

The dental hygiene student has expenses of about \$1500 in addition to university tuition and fees. This covers the cost of instruments, uniforms, liability insurance, and a basic professional library.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
GSD 153	Public Communication	2	-
Chem 140a	Survey of Chemistry	4	-
DH 136	Anatomy of the Head and Neck	4	-
DH 137a	Pre-Clinical Dental Hygiene	5	-
DH 215	Ethics, Jurisprudence, & Office Management	1	-
Chem 140b	Survey of Chemistry	-	4
Physio 301	Survey of Human Anatomy	-	4
GSA 209	Principles of Physiology	-	3
DH 133	Histology and Embryology	-	2
DH 137b	Pre-Clinical Dental Hygiene	-	5
DH 218a	Dental Radiology	-	2
		<u>19</u>	<u>20</u>

Summer Session (8 weeks)

DH 134	Microbiology	4
DH 217	Nutrition	2
DH 209	Clinical Dental Hygiene	3
DH 218b	Dental Radiology	2
		<u>11</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
DH 138	Pathology	3	-
DH 220a	Community Dentistry	3	-
DH 201	Dental Materials and Assisting	4	-
DH 210a	Clinical DH and Radiology	6	-
DH 240	Dental Pharmacology and Anesthesia	2	-
DH 241	Advanced Periodontology	2	-
GSB 202	Intro to Psychology	-	3
GSB 203	Social Perspectives	-	4
DH 220b	Community Dentistry	-	3
DH 210b	Clinical DH and Radiology	-	6
DH 211	Seminar	-	2
		<u>20</u>	<u>18</u>

A minimum of 88 hours is required for this program.

Mary K. Edwards - Program Supervisor
 Department Telephone - 618-985-4859
 Location - STC Campus, Building FI & F3

RECOMMENDED PROGRAM

DENTAL LABORATORY TECHNOLOGY
School of Technical Careers
 (Associate in Art)

Dental Laboratory Technology is concerned with the construction of replacements for natural teeth which have been lost--whether by disease or accident. A technologist trained in this art is called a Dental Laboratory Technician.

The relationship of the dental technician to the dentist is similar to that of the pharmacist to the physician or the optician to the eye specialist. Important members of the dental health team, students find their skills and knowledge are invaluable. They work under the guidance and instruction of the dentist, thus permitting the dentist to devote more of his or her time to chair-side operative and restorative dentistry.

The Dental Technology program includes extensive study covering all phases of dental laboratory technology and leads to an associate in technology degree.

The program was designed so that students would receive not only technical training but such general education courses as would prepare them for a socially complex world. It is for this reason that approximately one-third of the total curriculum consists of general education courses.

The technical curriculum covers a complete study of dental morphology, fabrication of dental restorations and appliances in all the prosthetic phases of dentistry, dental material, professional ethics and other related subjects.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
STC 115a	Introduction to Chemistry (8 weeks)	2	-
STC 141	Introduction to Physiology	-	3
DT 102*	Tooth Anatomy	4.5	-
DT 103a*	Complete Dentures	4.5	-
DT 103b*	Advanced Complete Dentures	-	4.5
DT 104a*	Removable Partial Dentures	-	4.5
DT 104b*	Advanced Removable Partial Dentures	-	4.5
DT 105*	Dental Occlusion	4.5	-
DT 113a	Science of Dental Materials	-	2
DT 128	Oral Anatomy	-	1
DT 143	Orientation of Dental Technology	1	-
		<u>19.5</u>	<u>19.5</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 153	Public Communication	-	2
STC 102	Technical Writing	2	-
STC 104	Business Mathematics	-	2
DT 113b	Science of Dental Materials	2	-
DT 202	Professional Ethics	1	-
DT 203*	Dental Orthodontics and Pedodontics	4.5	-
DT 204a*	Beginning Crown and Bridge	4.5	-
DT 204b*	Advanced Crown and Bridge	4.5	-
DT 206a*	Dental Ceramics	-	4.5
DT 206b*	Advanced Dental Ceramics	-	4.5
DT 208*	Precision Attachments	-	4.5
		<u>18.5</u>	<u>17.5</u>

*Five-week module.

Dental Laboratory Technology As A Major

This program is the first of its kind in the state of Illinois which is accredited by the Council on Dental Education of the American Dental Association.

The School of Technical Careers has been a pioneer in approved training for dental technicians and the curriculum and staff are fully accredited by the Council on Dental Education of the American Dental Association. The Council's standards are sufficiently high to insure that the graduate of such an accredited program has the best education it is possible to give in the time allocated. The staff is highly qualified for teaching this portion of the dental field, having enjoyed many years of experience in dental education and technology education. This is backed by years of practical experience in the entire field. Graduates are eagerly sought by the owners of the many ethical laboratories throughout the United States.

Each student is required to purchase a kit of instruments, at a cost of approximately \$200 per year, which he or she will retain after graduation.

Dennis Laake - Program Supervisor
 Department Telephone - 618-985-4333. Office - F-1, Room 106A
 Location - S.T.C. Campus, Building F-3, Room 131

The growth of electronic data processing both in the expansion of installations and in the complexity of hardware and software has increased the demand for competent computer programmers and systems analysts. Accurate and effective information processing is essential in any organization or institution. You can find a rewarding career in this field where skilled, professionally-trained people are essential.

Even though there are more computer programmers working today than ever before, data processing is still a growing, challenging field. The task of persons who design data processing application is becoming more complex with the increasing power of computers and related information processing equipment.

Graduates from the program are qualified to (1) apply currently available programming techniques to a defined problem with minimum supervision; (2) program and operate any particular computer with a minimum of orientation; (3) understand and master special techniques as the point of need occurs; and (4) communicate his or her properly documented programming decisions to other personnel concerned.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
Acct 110, 120	Accounting	3	3
STC 102	Technical Writing	-	2
STC 104	Business Mathematics	2	-
EDP 101	Automatic DP Machines	8	-
EDP 104	Data Processing Applications	-	3
EDP 201	Assembler Language Programming	-	8
EDP 235	Business Statistics	-	2
Elective		2	-
		<u>18</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 212	Introduction to American Government and Politics	-	4
GSD 153	Public Communication	3	-
EDP 203	Job Control Language and Utilities	5	-
EDP 204	COBOL Programming	8	-
EDP 205	Systems Design and Development	3	-
EDP 206	RPG Programming	-	7
EDP 207	DP Project	-	6
Electives		2	2
		<u>21</u>	<u>19</u>

Electronic Data Processing As A Major

The Electronic Data Processing program is offered in a well-equipped center, with a curriculum designed to give you much more than a good general working knowledge of a programming language. You will have a sufficient depth of understanding to grow with new demands placed upon you.

In addition to laboratory courses which will provide you with a basic knowledge of computer programming, the curriculum includes computer applications and systems design courses and general education studies in accounting, statistics, and mathematics.

This program provides training in the technical skills underlying the operation and programming of data acquisition and computing equipment as applied to business systems. Punched card preparation, electromechanical machines operation, and electronic computers are processes and equipment used by the student who aspires to become a programmer.

A minimum of 75 hours of credit must be completed for graduation.

Andrew N. Kreutzer - Program Supervisor
Department Telephone - 618-453-2655
Location - Faner Building, A-1029

The Electronics Technology program provides instruction for the training of semi-professional electronics technicians who are capable of taking places in industry in both indirect and direct support of the electronics engineer, and to provide training both practical and theoretical in all phases of electrical power transmission.

Students will gain a basic understanding of AC-DC and active element circuits so that they can design, build, test and analyze new types of circuitry. They will learn communication systems, digital circuits, and industrial systems in a theory-laboratory situation where they will develop the ability to solve problems and report test results in data sheets, graphs and technical papers. They will learn to do diagnostic analyses and troubleshoot and repair electronics equipment.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	-	3
STC 105a,b	Technical Mathematics	4	-
STC 118	Applied Calculus	-	2
Elt 101	DC-AC Circuit Analysis Theory	5	-
Elt 102	Electronics Circuit Theory	-	5
Elt 111	DC-AC Circuit Analysis Lab	6	-
Elt 112	Electronics Circuit Lab	-	6
Elt 121	Electronics Devices	4	-
Elt 122	Propagation and Coupling	-	3
		<u>19</u>	<u>19</u>

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
STC 101 or	Business Correspondence		
STC 153b	Conference Methods	-	2
STC 102	Technical Writing	-	2
STC 107a,b	Physics	4	-
Elt 201	Telemetry and Industrial Circuits Theory	5	-
Elt 202	Digital Circuits Theory	-	5
Elt 211	Telemetry and Industrial Circuits Lab	6	-
Elt 212	Digital Circuits Lab	-	6
Elt 221	Electronic Systems Analysis	3	-
Elt 223 or	FCC Test Preparation		
Elt 224	Computer Systems Application	-	3
		<u>18</u>	<u>18</u>

Electronics Technology As A Major

Graduates are employed by such concerns as General Electric, Bell Labs, Argonne Labs, I.B.M., General Tire and Rubber Co., General Telephone, Univac, and Los Alamos Labs. About eighty percent of these graduates work in indirect support positions and the remaining twenty percent in direct support positions.

During the early stages of the program, most instruction is directed toward basic principles of electricity and electronics. This is followed by communication systems, digital circuits, and industrial systems. These applications are based on both vacuum tubes and transistor and integrated circuitry.

Workbooks and supplies required for laboratory courses cost approximately \$150.

A minimum of 73 hours of credit must be completed for graduation.

Paul Harre - Program Supervisor
 Department Telephone - 618-453-5129
 Location - Neckers B-144

RECOMMENDED PROGRAM

LAW ENFORCEMENT
 School of Technical Careers
 (Associate in Art)

Law enforcement today demands a wide range of knowledge and ability to meet the complexities of modern society. This program is designed both for the individual entering the profession and for persons already serving in law enforcement who wish to upgrade their skills.

The student in this program will not be taught "police skills" that are taught in a police academy, such as firearms or personal defense. He or she will learn methods of crime control, criminal behavior, methods of crime detection, community problems in law enforcement, criminal law, and police administration. The student will develop an understanding of people and of interpersonal relationships.

The student will spend one term prior to graduation working under supervision with a police agency.

Police officers may enroll in the program on a part-time basis with the assurance that faculty members will help them to arrange classes compatibly with their duty schedules.

Full transfer of credit is guaranteed to students who have completed certificate programs in law enforcement at cooperating community colleges.

An advisory committee made up of persons active in law enforcement assists the program.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
CLE 103	Introduction to Criminal Justice	3	-
CLE 105	Criminal Behavior	3	-
GSB 202	Introduction to Psychology	3	-
CLE 115	Interpersonal Relations in Criminal Justice	3	-
GSD 118	Technical Report Writing	-	2
CLE 107	Supervision in Criminal Justice	-	3
GSB 203	Sociological Perspective	-	4
CLE 220	Probation, Parole and Community Based Corrections	-	3
GSD 153	Public Communications	-	3
CLE 205	Criminal Investigation	-	3
		<u>15</u>	<u>18</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
CLE 209	Criminal Law I	3	-
GSB 212	American Government and Politics	4	-
CLE 221	Police Administration	3	-
Electives	(From GSA, GSC or GSE)	4	-
CLE 210	Criminal Law II	-	3
CLE 215	Supervised Internship in Criminal Justice	-	9
Electives	(From GSA, GSC or GSE)	-	3
		<u>14</u>	<u>15</u>

A minimum of 62 hours is required for this program.

James Hendricks - Program Supervisor
 Departmental Telephone - 618-453-5262
 Location - Faner B 4343

RECOMMENDED PROGRAM

MORTUARY SCIENCE AND FUNERAL SERVICESSchool of Technical Careers
(Associate in Art)

Licensing and qualification requirements vary from state to state since laws governing the profession are enacted at a state level. Licensure in one state does not assume automatic qualification in another but most state boards have some reciprocal agreements with other states.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 115	Biological Science	3	-
GSB 202	General Psychology	3	-
GSD 101	English Composition	3	-
GSD 153	Public Communication	-	2
Acct 110	Accounting	-	3
Scr 208	Business Law	-	3
STC 101	Business Correspondence		
or			
STC 102	Technical Writing		
or			
STC 153a or b	Oral Reporting or Conf. Methods	-	2
MS 101	Orientation to Funeral Service	3	-
MS 102	Restorative Art	4.5	-
MS 108	Funeral Service Psychology	-	3
Elective	Health Education	-	2
		<u>16.5</u>	<u>15</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
STC 115a,b	Inorganic, Organic Chemistry (8 weeks each)	5	-
MS 225a,b	Embalming Theory and Practice	4.5	4.5
MS 230	Mortuary Anatomy	4	-
MS 250a,b	Mortuary Management	3	3
MS 255	Embalming Chemistry (8 weeks)	-	2
MS 256	Microbiology	-	4.5
MS 257	Pathology	-	3
		<u>16.5</u>	<u>17</u>
		<u>Summer</u>	
MS 375a	Internship--Management	5	
MS 375b	Internship--Embalming	5	
		<u>10</u>	

Mortuary Science As A Major

The Illinois statute governing the practice of funeral directing and embalming indicates the following requirements for those individuals who would secure the funeral director's and embalmer's licenses:

1. A candidate must be at least twenty-one years of age, a citizen of the United States and a resident of the state of Illinois; who is of good moral character and temperate habits.
2. He or she must successfully complete one academic year in a college or university approved and recognized by the Illinois Department of Registration and Education in addition to successfully completing a course of instruction of at least one year duration in a professional school or college teaching the practice of funeral directing and embalming.
3. He or she must study funeral directing or embalming in the state of Illinois under a funeral director or embalmer licensed by the state for a combined period of one year as a registered trainee.
4. A candidate must successfully pass licensure examinations administered by the State Board of Examiners in Funeral Directing and Embalming.

Successful completion of the program meets the education requirements in Illinois and many other states.

Prospective students should contact the licensing body of the state in which they decide to attempt licensure.

Don Hertz - Program Supervisor
Department Telephone - 618-985-4313
Location - S.T.C. Campus, Building L3, Room 102

RECOMMENDED PROGRAM

ASSOCIATE DEGREE NURSE
School of Technical Careers
(Associate of Applied Science
in Nursing)

The Associate Degree in Nursing Program offered through the Southern Illinois Collegiate Common Market is developed as an open curriculum model and is designed to provide career mobility for persons who have completed a practical nursing program or its equivalency through formal or informal methods. Students will be given an opportunity to validate past experiences through utilization of a comprehensive testing program. After assessment by the nursing faculty, an individualized prescriptive type educational program will be developed with each student.

This unique program is designed to prepare the student for the practice of nursing as defined in the Illinois Nurse Practice Act and meets the requirements for accredited schools in associate degree nursing in Illinois.

Upon satisfactory completion of the program, the student will be eligible to write the Illinois State Board Nursing Examination and to become a Registered Nurse.

First Year

Provide evidence of having graduated from an approved program of practical nursing or its equivalent.

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
ADN 201	Introduction to Nursing and Science	3	-
ADN 202	Maternal-Child Nursing Interventions	4	-
ADN 203	Psychiatric Nursing Interventions	-	4
ADN 204	Neurological-Sensory Nursing Interventions	-	2
ADN 207	Genital-Urinary Nursing Interventions	2	-
ADN 208	Metabolic-Endocrine Nursing Interventions	2	-
ADN 209	Community Health Nursing	2	-
ADN 210	Cardiovascular Nursing Interventions	-	2
ADN 211	Respiratory Nursing Interventions	-	2
ADN 212	Gastrointestinal Nursing Interventions	-	2
*GS	General Education	6	6
		19	18

Third Semester

ADN 205	Dermatological Nursing Interventions	2
ADN 206	Orthopedic Nursing Interventions	2
ADN 213	Nursing Today and Tomorrow	1
**GS	General Education	3
		8

*Required General Education
GSD - 5 hours (2 areas); GSB 203-4; GSB 202-3

**To be selected by student, dependent on need or interest.

Nursing As A Major

A graduate of this program having passed the Illinois State Board Nursing Examination will be a Registered Nurse and be able to carry out nursing and other therapeutic measures with a high degree of skill using principles from an ever expanding body of science. The licensed registered nurse performs nursing functions with patients who are under the supervisory care of a physician and assists in the planning of the day-to-day care of patients; evaluating the patient's physical and emotional reactions to therapy; taking measures to alleviate distress using treatment modalities with knowledge and precision; and supervising other workers in the technical aspects of care.

A minimum of 65 hours credit is required for the associate degree.

For further information and required course of study, contact:

Alice Hees - Program Supervisor
Department Telephone - 453-3071
Location - Pulliam 202

The photographic and audio-visual technology major in the School of Technical Careers is unique in that all students complete a first year of core courses. The second year students may specialize in ultimate technical photographic laboratory curriculum or technical audio-visual curriculum.

Technical photographic courses are designed to prepare students as photographic laboratory technicians or photo finishers in industrial and commercial photographic processing agencies. Emphasis is placed on quality black and white and color photographic processes and materials. Students will study still photographic techniques in lecture/laboratory sessions and tour industrial and commercial photographic processing agencies to obtain practical understanding of commercial systems. The student should expect to invest approximately \$400 for the production of a portfolio and for the purchase of special photo chemicals and supplies. Second year students are to provide their own fully adjustable cameras.

Technical audio-visual courses are designed to prepare students to work with industrial, university, and public school audio-visual delivery systems. Graphic production courses will enable students to broaden their marketable skills by developing technical skills essential to the production of basic graphics for audio-visual systems. Emphasis is placed on the technical quality of the work. Students should expect to invest approximately \$300 for test equipment, tools, and graphic supplies.

Students selecting either specialization will find job opportunities throughout industry for quality technicians. Graduates are limited only by their own talent, motivation, and willingness to move to where jobs are available. Job pay is directly commensurate with the technician's ability, resourcefulness, and drive.

A minimum of 65.5 credit hours is required for the major in photographic and audio-visual technology with specialization in either photographic laboratory or audio-visual technology. This associate degree program can be completed in two academic years at Southern Illinois University at Carbondale or in combination with community college or other acceptable extra-institutional educational experience.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
PAVT III	Photo Processing I	4	-
PAVT II3	Photo Processing II (Process Camera)	4	-
PAVT II5	Audio-Visual Equipment Operation	6	-
STC II5a	Introduction to Chemistry (Inorganic)	2	-
PAVT 209	Graphics I--Basic Skills	-	6
PAVT 2II	Photo Processing III (Color Positive)	-	6
STC 103	Fundamentals of Math	-	2
SCR 101a	Typewriting	-	2.5
		<u>16</u>	<u>16.5</u>

Technical Photo Lab Option

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
PAVT 215	Photo Processing IV (Color Negative)	6	-
PAVT 22I	Photo Processing V	6	-
GSD 10I	English Composition	3	-
STC 153a	Oral Reporting	2	-
PAVT 25I	Photo Lab Management	-	10
STC 299	Individual Study	-	4
STC 102	Technical Writing (8 weeks)	-	2
		<u>17</u>	<u>16</u>

Technical Audio-Visual Option

<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
PAVT 217	Maintenance & Repair of Audio-Visual Equipment	6	-
PAVT 219	Graphics II--Design, Planning & Production	6	-
GSD 10I	English Composition	3	-
STC 153a	Oral Reporting	2	-
PAVT 275	Production of Multi Media Materials	-	6
PAVT 279	Practicum	-	6
STC 102	Technical Writing (8 weeks)	-	2
STC 299	Individual Study	-	2
		<u>17</u>	<u>16</u>

Robert White - Program Supervisor
Department Telephone - 618-985-4211
Location - STC Campus

The Health Careers Council of Illinois reports that the field of physical therapy is one of the five most critical areas in which a manpower shortage exists. There are growing demands for physical therapy services in hospitals, extended care and nursing home facilities, and in private practices. The nation's concern and interest in improving our health care delivery system to the entire population should continue to provide opportunities for skilled workers in this field.

The physical therapist assistant is a skilled technician who works within the physical therapy service, which is under the direction of a physical therapist. The assistant is responsible to and supervised by the physical therapist.

A minimum of 70 credit hours is required for the associate degree.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 106	Chemistry for Non-Science Majors	3	-
Zool 118	Zoology	-	4
GSA 208	Physiology Laboratory	-	1
GSA 209	Principles of Physiology	-	3
GSB 202	Introduction to Psychology	-	3
GSD 101	English Composition	3	-
GSD 107	Basic College Mathematics	4	-
GSD 152	Interpersonal Communication	2	-
PTH 100	Physical Therapy Orientation	2	-
PTH 113	Therapeutic Modalities I (8 weeks)	-	1.5
PTH 207	Massage (8 weeks)	-	1.5
Elective		-	2
		<u>14</u>	<u>16</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
GSA 101	Physics in Environment	3	-
HED 334s	First Aid	3	-
PEM 303	Kinesiology	-	2
Phsi 300	Human Anatomy	3	-
Psyc 301, 303, 304 or 305	Psychology	-	3
PTH 202	Physical Rehabilitation Techniques	2	-
PTH 203	Pathology	1	-
PTH 205	Physical Therapy Science	-	2
PTH 209	Therapeutic Exercise	-	3
PTH 213	Therapeutic Modalities II	2	-
PTH 214	Physical Therapy Science Practicum	-	3
Elective		-	3
		<u>14</u>	<u>16</u>
		<u>Summer</u>	
PTH 321	Clinical Internship	10	
PTH 322	Clinical Seminar	2	
		<u>12</u>	

Physical Therapist Assistant As A Major

The graduate under the supervision of the registered physical therapist will be able to administer such physical therapy techniques as: infra-red and ultra-violet light whirlpool baths, hot moist packs, diathermy, ultra-sound paraffin baths, massage, therapeutic exercise, gait training, and other activities of daily living and assist in record keeping and general physical therapy housekeeping.

In addition to the physical therapy activities, the physical therapist assistant will assist the registered physical therapist in more complex procedures such as: administering manual muscle tests, electrical muscle stimulation, and other diagnostic tests. He or she also observes, records and reports to the supervisor conditions, reactions, and responses related to his or her assigned duties.

Before graduation, the student will serve an internship of 12 weeks in two separate hospitals located away from the campus.

Ted Okita - Program Supervisor
Department Telephone - 618-453-2361
Location - Wham Education Building, Room 141

The business world offers many opportunities for secretarial and office personnel with special interest and intense training in specific areas. Both men and women find this a rewarding career field.

Students in this program are not forced into a mold. They may prepare for the position they want in the field that interests them by creating an individualized program of study. They will gain shorthand and typing proficiency and other office skills through a core of basic courses, and may then draw from a variety of allied health, technical, and business programs to specialize.

Court and conference reporting is offered as a specialized associate degree program. Students combine classroom instruction with actual courtroom experience in the company of an official reporter to qualify to pass the National Shorthand Reporters Association test.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSD 101	English Composition	3	-
GSD 153	Public Communication	-	2
or STC 153b	or Conference Methods		
STC 101a	Business Correspondence	-	2
or BE 316	or Communication in Business		
Scr 101a,b,c,d	Typewriting	5	5
Scr 102a,b,c,d	Gregg Shorthand		
or			
Scr 103a,b,c,d	Machine Shorthand	5	5
Scr 104	Machine Transcription	-	3.5
Acct 110	Accounting	-	3
Scr 106	Reprographics	1	-
Scr 107	Filing	2	-
Scr 109	Calculating Machines	3	-
		<u>19</u>	<u>20.5</u>

Second Year

A recommended program is stated for students in the following specialties: Court and Conference Reporting, Administrative Assistant, Allied Health/Medical Secretary, Government/Legal Secretary, Bi-Lingual International Business and Foreign Service Secretary, Education Secretary, Engineering/Technical Secretary, Insurance/Real Estate Assistant. The student may choose any other specialty, and a special program will be developed for the student.

A minimum of 67 hours credit is required for the associate degree.

Proficiency tests are available for most Secretarial and Office Specialties courses.

For further information, contact:

Robert Kuseh - Program Supervisor
 Department Telephone - 618-453-3354
 Location - Woody Hall, C-310

RECOMMENDED PROGRAM

TOOL AND MANUFACTURING TECHNOLOGY
(NUMERICAL CONTROL)
 School of Technical Careers
 (Associate in Applied Science)

More and more technicians are needed because of the growing array of automated and numerically controlled machines. The tool and manufacturing curriculum is designed specifically to do just this: prepare the student in specific technical areas that are in great need of trained and skilled people. The tool and manufacturing curriculum furnishes technical information in tool making, metallurgy, statics, strength of material, numerical and electric controls, manufacturing processes, process planning, and machinability of metals.

<u>First Year</u>		<u>Fall</u>	<u>Spring</u>
GSB 101	English Composition	-	3
GSB 202	Introduction to Psychology		
or			
GSB 212	American Government and Politics	-	3-4
STC 105a,b	Technical Mathematics	4	-
TT 101	Basic Tool and Manufacturing Lab	7	-
TT 102	Milling Machine and Grinding Lab	-	7
TT 125	Introduction to Machine Tools	3	-
TT 126	Machinability of Metals, Milling, and		
	Abrasive Machining	-	3
TT 128	Hydraulics and Pneumatic Control	2	-
TT 185	Technical Drawing	4	-
TT 186	Technical Drawing	-	4
		<u>20</u>	<u>11-14</u>
<u>Second Year</u>		<u>Fall</u>	<u>Spring</u>
EDP 208a	Computer Assisted Numerical Control		
	Programming	4	-
STC 102	Technical Report Writing		
or			
STC 153	Public Communication	-	2
STC 107a,b	Applied Physics	4	-
TT 210	Numerical Control, Electrical Discharge		
	Machining, and Tool and Die	7	-
TT 211	Advanced Numerical Control, Tool and Die,		
	and Production Machining	-	7
TT 220	Numerical Control, Inspection Practice,		
	and Electrical Discharge Machining	3	-
TT 221	Tool and Die, Production, Machining,		
	Process Planning	-	3
TT 275	Metallurgy	2	-
TT 276	Metallurgy	-	2
TT 225	Manufacturing Processes	-	2
		<u>20</u>	<u>16</u>

Tool And Manufacturing Technology As A Major

This program provides knowledge and abilities for industries requiring engineering technicians. Graduates accept jobs as part programmers of numerical control machines, laboratory technicians, planners, methods and quality control technicians, expeditors, tool and die technicians, tool room technicians, and tool room supervisors.

Emphasis is on modern machine tools and accessories, numerical control machines, production set-ups and tooling, jigs and fixtures, dies, and methods for efficient and economical production and manufacture of industrial products and machines.

Also included are courses detailing with the properties and heat treatment of metals, mathematics, technical drawing, technical writing, oral communications, and the human relations aspects of our American industrial life.

The student in this program will have the advantage of courses in data processing that will give him or her the ability to work with computer-assigned programming for numerical controlled machines.

He or she will learn to design and test industrial, electrical, hydraulic, and pneumatic power circuits; to read blueprints, design basic jigs and fixtures, make shop sketches, and alter existing machines for structural changes; and to build basic progressive dies, draw dies, die casting dies, and plastic injection mold dies.

The graduate will have the technical background to work with engineers in research, development and testing, plus skills in metal cutting that will give him or her the abilities of a tool maker.

H. R. Soderstrom - Program Supervisor
 Department Telephone - 618-9854140
 Location - S.T.C. Campus, Building MI, Room 102

ENTRY LEVEL JOB TITLES

WHAT DO I DO WITH A DEGREE IN _____?

The Career Planning and Placement Center at SIU-C has compiled a list of titles associated with the first job recent graduates obtained in business, industry or government. We have listed the titles for each four-year degree non-teaching major by academic unit, i.e., College of Business, School of Agriculture, etc.

The list is intended to be used to assist teachers, counselors, faculty members and students faced with the question: "What does one do with a bachelor's degree in _____?"

The Career Planning and Placement Center hopes that this listing will encourage both counselors and potential SIU students to seek additional information about career opportunities prior to matriculation and for students to utilize the services of the SIU Career Planning and Placement Center once they are enrolled.

For additional information, please contact the following placement consultants:

Agriculture
Business and Administration
Communications and Fine Arts
Education
Engineering
Human Resources
Liberal Arts
School of Technical Careers
Science

Susan Rehwaldt
Richard Gray
Placement Consultant
Jane Tierney
S. Lee Wohlwend
Susan Rehwaldt
Helene Rudnick
Ralph Arnold
S. Lee Wohlwend

Dr. Harvey S. Ideus - Director
Telephone - 618-453-2391
Location - Woody Hall, B-204

SCHOOL OF AGRICULTURE

Agricultural Industries--

Agricultural Commodities Inspector
Agricultural Commodity Warehouse Examiner
Agricultural Economist
Agricultural Management Specialist
Agricultural Marketing Specialist
Agricultural Market Reporter
Agricultural Program Specialist
Agricultural Industry's Representative
Market Research Analyst
Farm Manager
Industrial Relations Specialist
Industrial Hygienist
Industrial Property Management Specialist
Agricultural Manager
Agribusiness Technician
Agricultural Engineer
Soil and Water Conservationist
Agriculture Business Manager
Feed and Steel Sales

Animal Industries

Animal Husbandman
Animal Physiologist
Animal Breeding Expert
Animal Ecologist
Animal Taxonomist
Swine Herdsman
Animal Industry Representative
Animal Hygiene Specialist
Farm Manager
Dairy Cattle Manager
Agricultural Economist
Market Analyst
Product Evaluator
Cost-Benefit Analyst
Animal Control Biologist
Livestock Manager
Animal Nutrition Specialist
Dairy Products Tester
Poultry Manager

Forestry--

Agricultural Aid
Recreational Resource Planner
Forest Engineer
Silviculture Specialist
Forest Utilization Specialist
Forest Recreation Specialist
Range Manager
Watershed Manager
Wildlife Manager
Forest Products Technologist
Animal Ecologist
Plant Ecologist
Pollution Control Specialist
Forest Conservation Specialist
Public and Environmental Health Forester
Parks Supervisor
Grazing Lands Supervisor
Research Forester
Forest Extension Worker
Timber Manager
Park Ranger
Soil Conservationist
Forest Resources Manager

Plant & Soil Science--

Soil Conservationist
Water Conservationist
Soil Erosion Prevention Specialist
Geological Environment Mapping Scientist
Aquifers & Rocks Characteristics Scientist
Plant and Soil Laboratory Technologist

Plant & Soil Science (cont.)--

Production Manager
Plant Quarantine Inspector
Plant Pest Control Inspector
Farm Manager
Entomologist
Foreman, Park Maintenance
Public & Environmental Health Scientist
Plant Ecologist
Plant Breeding Expert
Plant Morphologist
Technical Service Representative
Plant Pathologist
Plant Physiologist
Plant Taxonomist
Soil Bacteriologist

Agriculture Economics--

Customer Service & Production Trainee
Livestock Buyer
Sales and Product Development Trainee
Feed Sales
Agricultural Manager

COLLEGE OF BUSINESS AND ADMINISTRATION

Accounting--

Accountant-I
Accounting & Fiscal Admin. Career Trainee
Revenue Collection Officer-I
Supervisory Auditor
Grants and Contract Officer
Assistant Controller
Plant Accountant
Retail Controller Trainee
Plant Accounting, Internal Auditor
Junior Systems Analyst
Accounting Auditor
Accountant
Financial Management Trainee
Internal Auditor
Accounting Management Trainee
Property Accountant
Budget Accountant
Systems Accountant

Administrative Sciences--

Budget Administrator
Business Operations Analyst
Benefits Analyst
Community Relations Officer
Employee Relations Officer
Employment Interviewing Officer
Labor Relations Officer
Management Analyst
Manpower Planning Officer
Manpower Resources Studies Officer
Organization Planner
Placement Assistant
Public Opinion Polls Officer
Public Relations Officer
Recruiting Officer
Wage-Salary Administrator
Workman's Compensation Officer
Budget Examiner
Claims and Benefits Examiner
Contract Negotiator
Credit Union Examiner
Management Representative
Management Supervisor

Business Economics--

Tax Consultant
Account Executive
Business & 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 Off.
Business Analyst
Loan Administrator
Loan Examiner

Finance--

Internal Auditor
Finance Administrator
Financial Analyst
Trust Administrator
Wage-Salary Administrator
Systems Analyst

Finance (cont.)--

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

Marketing--

Marketing Assistant
Retail Marketing Representative
Consumer Marketing Area or Territorial Mgr.
Commercial/Industrial Marketing Representative
Sales Representative Trainee
Marketing Trainee
Market Analyst
Management Trainee
Food Service Sales Representative
Bond Representative
Benefits Analyst
Budget Accountant
Budget Administrator
Business & Economics Statistician
Business Planner
Controller
Management Analyst
Manufacturer's Representative
Market Research Analyst
Sales Manager
Product Manager
Operations Research Analyst
Credit Manager
Customer Services Officer
Public Relations Officer

COLLEGE OF COMMUNICATIONS AND FINE ARTS

Art--

Art Apprentice
Studio Assistant
Ceramic Sprayer
Archival Worker
Displays Artist
Exhibit Preparator
Archaeological Digging Officer
Manufacturer's Representative
Purchasing Specialist
Pattern & Mold Maker
Arborer
Arboriculturist (Ornamental Hort.)
Archaeological Assistant
Ceramics Specialist
Activities Director, Rehab.
Painter
Lithographic Artist
Weaving Expert
Museum Curator

Cinema & Photography--

Studio Assistant
Illustrator
Cameramen
Painting & Publication Officer
Visual Information Specialist
Color Technician
Developer
Printer
Retoucher
Sales Manager
Photochecker & Assembler
Chemical Mixer
Advertising Agent
Newsfilm Editor
Film Industry Business Assistant
Film Production Staff
Film Planner
Free Lance Photographer
Documentary Film Specialist
Quality Control Officer
Film Numberer
Film Stripper

Journalism--

Advertising Agent
Advertising Campaigns Planner
Advertising Campaigns Controller
Advertising Campaigns Executive
Media Scheduling Officer
Mass Communication Analyst
Photographer/Reporter
Photo Editor
Writer
Editor
Public Opinion Polls Manager
Publications Staff
Publicity Staff
Sales Agent
Telecommunications Expert
Newspaper Reporter
Newspaper Management Staff
Mass Media Management Staff
Copywriter
Newspaper Columnist
Magazine Production & Design Staff
Cable Communication Specialist
Graphic Communication Specialist
Researcher
Public Affairs Reporter

Music--

Popular Music Specialist
Classical Music Specialist
Dance Band Player

Music (cont.)--

Symphony Orchestra Artist
Rock Group Artist
Jazz Group Artist
Solo Performer
Music Marketing Specialist
Television Artist
Opera Artist
Folk Music Specialist
Composition Writer
Music Conductor
Instrumental Conductor
Instrumental Soloist
Choral Group Artist
Strings Instruments Specialist
Brass Instruments Specialist
Woodwinds Instruments Specialist
Assistant to Music Director
Church Organist
Music Librarian
Music Therapist
Rhythm Instruments Specialist

Radio-Television--

Radio-Television Announcer
Staff Announcer
Scenic Designer
Writer
Broadcast Technician
Assistant to the Producer
Assistant to the Director
Craftsman
Station Manager
Advertising Representative
Program Director
Studio Operator
Continuity Director
Programming Department Staff
Reporter
Sound Effects Technician
Lighting Technician
Traffic Manager
Continuity Writer
Program Assistant
Music Librarian
Educational Television
Newscaster
Floorman

Speech--

Interpreter
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

Speech Pathology & Audiology--

Rehabilitation Officer
Community Speech & Hearing Centers Worker
Private Consultant
Psychiatric Aide
Research Center Technician
Therapeutic Technician

COLLEGE OF COMMUNICATIONS AND FINE ARTS (cont.)

Speech Pathology and Audiology (cont.)--

Child Behavior Specialist
Child Welfare Specialist
Hearing Aids Specialist
Physical Retardation Specialist
Diagnostic Technician
Treatment Evaluator
Therapy Programmer
Researcher

Theater--

Illustrator
Recreation Specialist
Costume Designer
Visual Information Specialist
Sound Effect Technician
Theater Drafting Technician
Make-up Specialist
Sales, Magazine
Lighting Effect Technician
Scenery Specialist
Crew Worker in the Television
Crew Worker in the Motion Picture
Costume Specialist
Performing Artist
Folk Dancer
Ballet Dancer
Choreographer (Dance Composer)
Assistant to the Dance Director
Assistant to the Play Director
Theater Management Staff
Educational Television Staff
Children's Program Specialist
Modern Dancer
Understudies Artist

SCHOOL OF ENGINEERING AND TECHNOLOGY

Engineering--

Plant Engineer
Product Development & Design Engineer
Product Application and Test Engineer
Sales Engineer
Operations Research Analyst
Cartographer
Forest Products Technologist
Systems Engineer
Hydrologist
Industrial Specialist
Meteorologist
Sales Representative
Patent Engineer
Quality Assurance Specialist
Thermal and Environmental Engineer
Electronics Engineer
Electric Circuits Specialist
Communications Engineer
Electromagnetic Specialist
Radio and Television Engineer
Petroleum Engineer
Hydraulic Engineer
Engineering Mechanics & Materials Specialist

Engineering Technology--

Plant Engineer
Product Development & Design Engineer
Product Application and Test Engineer
Sales Engineer
Mechanical Engineer
Civil Engineer
Electrical Engineer
Systems Coordinator
Systems Installation Specialist
Systems Testing Specialist
Systems Evaluator
Hydromechanics Engineer
Sanitary Engineer
Highway Construction Engineer
Aeronautical Engineer
Aerospace Engineer
Engineering Technician
Structural Engineer
Hydraulic Engineer
Transportation Engineer
Soil Mechanics Specialist
Electronics Engineer
Electrical Equipment Mfg. Engineer
Communications Engineer
Power Engineer

Industrial Technology--

Industrial Engineer
Manufacturing Management Trainee
Management Control Systems Designer
(Developer)
Production Planning and Control Systems Designer
Physical Distribution of Goods & Services Systems Designer
Plant Location Surveys Engineer
Wage and Salary Administrator
Job Evaluator
Quality Assurance Specialist
Supply Management Specialist
Industrial Systems Analyst
Industrial Designer
Industrial Packaging Specialist
Plastics Technologist
Industrial Metrologist
Metallurgical Engineer
Heat Treaters
Process Design and Control Engineer
Safety Engineer

Industrial Technology (cont.)--

Internal Security Engineer
Numerical Control Engineer
Materials Handling & Plant Layout Engineer
Maintenance Engineer
Physical Plant Engineer
Manufacturer's Representative

Administration of Justice--

Crime Investigator
Patrolman
Juvenile Delinquency Studies Specialist
Alcoholism & Drug Addiction Counselor
Delinquency Preventor
Community Planning & Redevelopment Offcr.
Morale Studies Specialist
Child Care Worker
Penology & Correction Researcher
Probation & Parole Administrator
Rehabilitation & Resettlement Analyst
Social & Behavioral Researcher
Outreach Director
YMCA-YWCA Director & Program Specialist
Prisoner Classification Interviewer
Public Aide, Caseworker

Black American Studies--

Developmental Skills Counselor
Placement Specialist, 2-yr. College
Instructor, College
Marketing Specialist
Editor & Writer
Black Studies Coordinator, College
Claims Authorizer
Probation & Parole Officer
Student Ctr. Activities Director, College
Administrative Assistant
Political Systems Researcher
Legislative Aide
Manpower Planning Officer
Model Cities Program Director
Community Planner
Personnel Specialist
Recreation Director
Officer, Dept. of Corrections
Counselor, Dept. of Vocational Rehab.
Ethnologist
Production Planner
Retailing Supervisor
Administrative Officer, Financial

Child and Family--

Nursery School Director
Day Care Center Director
Child Care Specialist
Home Economics Extension Specialist
Recreational Leader
Residential Life Supervisor
Preschool Director
Child Behavior Studies Specialist
Child Welfare Studies Specialist
Child Placement Studies Specialist
Family Welfare Studies Specialist
Cultural Studies Specialist
Sales Trainee
Children's Programs Organizer
Child Development Specialist
Minority Groups & Race Relations
Studies Specialist
Population Studies Specialist
Teacher, Pre-School

Clothing and Textiles--

Family Expenditures Studies Specialist
Consumer Market Analyst
Consumer Relations Officer
Apparel Designer
Fashion Coordinator
Patterns Designer
Tailor
Clothing Economist
Fashion Merchandising Expert
Advertising Assistant
Retail Store Manager

Clothing and Textiles (cont.)--

Cost Analyst
Customer Services Specialist
Sales Agent
Purchasing Manager
Marketing Specialist
Textile Selector
Textile Laboratory Assistant
Customer Relations Specialist
Pattern Maker
Industrial Relations Specialist
Price Economist
Manufacturer's Representative

Design--

Story Illustrator
Advertising Layouts Specialist
Billboard Designer
Displays Organizer
Greeting Cards Designer
Annual Report Designer
Television Commercials Specialist
Title Cards and Set Designer
Fashion Illustrator
Architectural Assistant
Airbrush & Photo Retouching Artist
Graphic Processes Specialist
Graphic Designer
Advertising Illustrator
Copywriter
Fashion Designer
Community Planner
Typographic Designer
Cameraman
Technical Illustrator
Systems Evaluator
Technical Sales Representative
Publications Assistant
Manufacturer's Representative

Family Economics & Management--

Consumer Market Analyst
Consumer Services Officer
Consumer Relations Officer
Consumer Research Analyst
Market Research Analyst
Gov't Regulatory Agency Worker
Patient Service Rept., Hospital
Private Social Welfare Agency Worker
Public Social Welfare Agency Worker
Senior Citizens Agency Worker
Credit Counseling Agency Worker
Trade Association Officer
Credit & Financing Agency Worker
Activity Therapy Trainee
Household Equipment Specialist
Household Activity Analyst
Household Finance Specialist
Purchasing Officer
Manufacturer's Representative

Food and Nutrition--

Food Technologist
Food and Drug Inspector
Food Buyer
Food Industry Technician
Food Products Salesman
Food Processing Technician
Food Service Supervisor
Quality Control Technician
Agricultural Commodities Inspector
Consumer Safety Inspector
Dietician
Research for Consulting Firm
Food & Beverage Control Officer
Hospital Dietitian

COLLEGE OF HUMAN RESOURCES (cont.)

Food and Nutrition (cont.)--

College Dormitories Dietitian
Industrial Plants Dietitian
Health Clinic Dietitian
Laboratory Dietitian
Public Health & Welfare Org. Dietitian
Food Systems Manager
Home Service Representative for Utility Co.
Household Equipment & Foods Officer
Manufacturer's Demonstrator
Manufacturer's Representative

Interior Design--

Interior Designer
Assistant to the Architect
Customer Services Specialist
Design Reviewer
Manufacturer's Representative
Price Analyst
Researcher
Customer Relations Officer
Architectural Interior Designer
Exhibition Designer
Home Furnishing Consultant
Office Landscape Design
Public Building Interior Designer
Commercial Interior Designer
Residential Interior Designer
Decorations Selector
Space Planner
Purchasing Specialist
Theater Designer
Supervisor, Retail Merchandising

Social Welfare--

Social Worker
Social Welfare Aide
Rehabilitation Counselor
Casework Assistant
Neighborhood Worker
Residential Welfare Facilitator
School Counselor
Employment Aide
Cooperative Extension Service Worker
Recreation Worker
Alcoholism & Drug Addiction Researcher
Child Placement Agent
Child Welfare Programmer
Civic Reform Specialist
Community Planning & Redevelopment Expert
Home Economist
Cultural Studies Worker
Probation and Parole

COLLEGE OF LIBERAL ARTS

Anthropology--

Human Biology & Physical Characteristics Researcher
Operations Research Analyst
Population Studies Anthropologist
Archival Worker
Archaeological Digging Anthropologist
Exhibit Preparation Expert
Museum Curator
Human Engineer
Ethnohistorian
Ethnolinguistician
Rehabilitation & Resettlement Personnel
Systems Evaluator
Safety Personnel
Statistician
Sales Representative
Work Environment Officer
Anthropogeographical Researcher
Ethnologist

Computer Science--

Programmer (Computer Programmer)
Systems Analyst
Equipment Analyst
Computer Specialist
Process-Control Computers Scientist
Computer Simulation Technician
Dealer Data Processing Personnel
Legislative Retrieval Specialist
Computer-Controlled Machinery Operator
Plant Protection Scientist
Safety Devices Operator
Security Devices Operator
Sales Representative
Computer Research Scientist
Consultant

Economics--

Market Research Analyst
Econometrician
Economic Analyst
Economic Forecaster
Finance Administrator
Budget Analyst
Gov't 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 Geographist
Legislative Aide
Population Economic Analyst
Right-of-Way Agent
Tax Economist
Urban Economist

Foreign Languages & Literature--

Translator
Simultaneous Interpreter
Consecutive Interpreter
Visitors' Guide
Communications Specialist
Public Information Officer
Escort Interpreter
Conference Interpreter
International Relations Officer
Sales Representative
Writer
Editor
Publications Staff

Foreign Languages & Literature (cont.)--

Speech Writer
Archaeological Worker
Archival Worker
Museum Curator
Cultural Studies Specialist
Researcher
Exhibit Preparator

Languages--(English, French, German, Spanish, & Russian)

Airline Stewardess
Customer Services Personnel
Public Relations Officer
Publications Personnel
Executive Secretary
Announcer
Continuity Writer
Copywriter
Correspondent
Critical Writer
Editorial Writer
Feature Writer
Program Assistant
Reporter
Assistant Librarian
Rewriter
Technical Writer
Educational Television Staff
Manufacturer's Representative
Sales Agent
Recreation Specialist
Interpreter

Geography--

Geographer
Researcher
Economic Geographer
Political Geographer
Urban Geographer
Physical Geographer
Regional Geographer
Cartographer
Map Cataloger
Regional Analyst
Photo-Intelligence Specialist
Climatological Analyst
Community Planner
Editor
Air Traffic Controller
Map Librarian
Cultural Geographer
Location Analyst
Weather and Climate Analyst
Sales Representative
Resource Management Personnel
Planner
Construction Geographer
Highway Planner
Conservation Specialist

History--

Administrative Assistant in Library
Administrative Assistant in Museum
Museum Curator
Archival Worker
Exhibit Preparation Historian
Genealogical Background Researcher
Legal Assistant
Administrative Aide, College
Sales Representative
Biography Writer
Political Systems Researcher
Religion & Philosophy Studies Historian
Sociological Researcher
American Government Studies Historian
Censoring (Officer) Historian
Volunteer, Peace Corps

COLLEGE OF LIBERAL ARTS (cont.)

History (cont.)--

Legislative Budget Analyst
International Law & Relations Researcher
Legislative Aide
Public Information Historian
Claims Authorizer
Director, Community Historical Society
Editor

Inter-American Studies--

Translator
Interpreter
Visitors' Guide
Communication Officer
International Students Coordinator
Public Information Officer
International Relations Officer
Writer
Border Patrol
Publications Staff
Archival Worker
Community Planning & Redevelopment Officer
Legislative Aide
International Trade Economist
International Banking Specialist
Stock Broker
Job Analyst
Loan Administrator
Market Research Analyst
Inspector, Immigration & Naturalization Dept.
Museum Curator
Community Relations Officer
Manufacturer's Representative

Mathematics--

Junior Systems Analyst
Actuary (or Actuarial Assistant)
Cryptographer
Mathematician
Operations Research Analyst
Statistician
Biometrician
Demographer
Contract Administrator
Inventory Controller
Investment Analyst
Wage-Salary Administrator
Computing Analyst
Cyberneticist
Information Scientist
Accounting Trainee
Research Mathematician
Mathematical Programmer
Methods Analyst
Technical Sales Representative
Market Analyst

Philosophy--

Researcher
Minister
Technical Writer
Community Relations
Employee Relations
Grievances Specialist
Public Relations
Publications Officer
Alcoholism & 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
Venereal Disease Investigator
Motivational Researcher
Librarian

Political Science--

American Government Studies Officer
Sales Agent
Censoring Officer
Community Relations Officer
Comparative Gov't Studies Officer
Constitutional Legal Aide
Probation and Parole Office
Customs Port Investigator
Foreign Aide Studies Officer
Gov't Policy Position Analyst
Labor Relations Officer
Manpower Planning Officer
Manpower Resources Studies Officer
FBI Agent
Operations Research Analyst
Legislative Aide
Political Systems Researcher
Political Theory & Philosophy Studies
Officer
Budget Analyst
Public Opinion Polls Officer
Public Relations Officer
Claims Authorizer
Systems Evaluator
Import Analyst

Psychology--

Alcoholism & Drug Addiction Researcher
Child Behavior Studies Psychologist
Child Placement Studies Psychologist
Child Care Worker
Group Interaction Studies Technician
Group Supervisor or Facilitator
Sales Agent
Mental Deficiency Studies Psychologist
Morale Studies Psychologist, Assistant
Director, Senior Citizens Center
Investigator, Urban Development
Prisoner Classification Interviewer
Probation & Parole Incharge
Public Information Personnel
Public Opinion Polls Officer
Public Relations Personnel
Rehabilitation & Resettlement Personnel
Claims Authorizer
Social Insurance Researcher
Production Supervision
Drug Abuse Counselor
Population Studies Psychologist
Mental Health Clinic Technician

Sociology--

Area Studies Specialist
Child Behavior Studies Specialist
Child Placement Studies Specialist
Child Welfare Studies Specialist
Civic Reform Studies Specialist
Community Planning & Redevelopment
Personnel
Community Relations Personnel
Venereal Disease Investigator
Sales Trainee
Family Welfare Studies
Legal Assistance Officer
Group Interaction Studies
Group Supervisor in Mental Health
Action Volunteer
Minority Groups & Race Relations Studies
Patrolman
Counselor, Institution or Prison
Management Trainee (Corporations)
Public Opinion Polls
Probation Parole Officer
Administrative Aide, Gov't
Child Care Worker
Claims Authorizer
Social Stratification Analyst

COLLEGE OF SCIENCE

Biological Sciences--

Venereal Disease Investigator
Biochemist
Aide, Veterinary Clinic
Pharmaceutical Sales
Fishery Bacteriologist
Quality Control Specialist
Embryologist
Genetics Scientist
Medical Laboratory Assistant
Medical Bacteriologist
Researcher, Chiropractic College
Nutrition Specialist
Plant Protection Scientist
Technical Marketing Representative
Research Technician
Technical Library Operator
Biological Warfare Officer
Technical Sales
Soil Conservation Technician
Soil Bacteriologist
Commodities Inspector
Food and Drug Inspector

Botany--

Agricultural Sales
Biological Product Development Scientist
Botanist
Ecologist
Economic Botanist
Horticulture Technician
Plant Breeding Technician
Plant Ecologist
Plant Morphologist
Plant Nematologist
Plant Pathologist
Plant Physiologist
Plant Taxonomist
Soil Bacteriologist
Plant Protection Technician
Quality Control Specialist
Parasitologist
Technical Library Operator
Museum Curator
Biotechnologist
Industrial Bacteriologist
Research, Glacier Nat. Park
Embryologist
Biological Warfare Scientist
Agricultural Commodities Inspector

Chemistry--

Research, Pharmaceutical
Biochemist
Biochemical Technologist
Research Chemist
Blood Chemistry Technician
Quality Control Chemist
Analytical Chemist
Organic Chemist
Inorganic Chemist
Physical Chemist
Food Chemist
Soil Chemist
Agricultural Chemist
Paint Chemist
Chemical Laboratory Technologist
Dye Chemist
Geochemist
Glass Chemist
Industrial Alcohols Chemist
Leather Chemist
Manufacturer's Representative
Nuclear Chemist
Product Studies and Testing Chemist
Textile Chemist
Water Purification Chemist

Engineering Biophysics--

Biomedical Appliances Operator
Manufacturer's Representative
Researcher
Biomedical Engineer
Clinical Engineer
Medical Biophysicist
Medical Engineer
Sales Representative
Biophysicist
Physical Systems Designer
Environmental Scientist
Instrumentation Specialist
Product Manager
Operations Research Analyst
Synthetic Drugs Technician
Synthetic Products Technician
Instrument Manufacturers Staff
Aerospace Medicine Technologist

Geology--

Geologist
Astrogeologist
Cartographer
Conservation Scientist
Economic Geologist
Geochemist
Geological Engineer
Geological Oceanographer
Geological Researcher
Geophysical Exploration Scientist
Geophysicist
Groundwater Geologist
Hydrologist
Manufacturer's Representative
Mineralogist
Mining Geologist
Petroleum Geologist
Photogeologist
Resource Evaluator
Sedimentologist
Stratigraphist
Surveying Geologist
Geomorphologist
Structural Geologist
Product Studies and Testing Geologist

Microbiology--

Microbiologist
Medical Bacteriologist
Soil Microbiologist
Food Bacteriologist
Medical Laboratory Assistant
Technical Maintenance Personnel
Microbiostatistician
Embryologist
Genetics Research Technician
Serologist
Histologist
Cytologist
Parasitologist
Virologist
Microbiology Researcher
Wine Chemist
Fishery Bacteriologist
Quality Control Specialist
Entomologist
Biological Photography Staff
Manufacturer's Representative

Physics--

Physicist
Acoustics Physicist
Design Physicist
Electricity and Magnetism Physicist
Electronics Physicist
Light Physicist

COLLEGE OF SCIENCE (cont.)

Physics (cont.)--

Quality Control Physicist
Research Physicist
Aerodynamics Scientist
Applied Physics Researcher
Astrophysicist
Atomic and Molecular Physicist
Biophysicist
Geophysicist
Factory Insurance Representative
Thermodynamics Physicist
Optics Physicist
Manufacturer's Representative
Mechanics Physicist
Nuclear Physicist
Plasma Physicist
Product Studies and Testing Physicist
Solid-State Physicist
Physical Metallurgy Scientist

Physiology--

Physiologist
Pharmacologist
Entomologist
Ecologist
Biological Photography Staff
Biostatistician
Biological Warfare Personnel
Aquatic Biologist
Bioastronautician
Astrobiologist
Physiological Researcher
Genetics Researcher
Manufacturer's Representative
Pathologist
Medical Bacteriologist
Food Bacteriologist
Fishery Bacteriologist
Physical Anthropologist
Technical Writer
Plant Physiologist
Virologist

Zoology--

Zoologist
Animal Breeding Technician
Animal Ecologist
Animal Husbandry Supervisor
Animal Taxonomist
Biological Warfare Technician
Fishery Bacteriologist
Food Bacteriologist
Genetics Technician
Medical Laboratory Assistant
Quality Control Laboratory Technician
Soil Bacteriologist
Technical Library Operator
Entomologist
Physiologist
Wildlife Lab Assistant
Wildlife Refuge Manager
Parasitologist
Medical Bacteriologist
Zoological Park Keeper
Mammalogist
Research Technician

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PUBLICATIONS

PUBLICATIONS FOR COUNSELORS

Counselor's Advisement Catalog

Every counselor and academic advisor should have a personal copy. Write School/College Relations Division, Office of Admissions and Records.

Southern Illinois University Bulletin

Undergraduate Catalog (copies distributed free to educational institutions and counselors--use school stationery). Graduate Catalog, School of Law Catalog. Schedule of Classes (specify semester). Write University Graphics.

Articulation News

Published in the fall and late winter, this newsletter provides valuable information on important changes and activities of interest to a counselor. To be placed on the mailing list, write to School/College Relations, Office of Admissions and Records.

School/College News

Published as needed to immediately inform counselors, student personnel services, staff, etc., of items of interest, status of programs, changes in academic or unit requirements.

PUBLICATIONS FOR STUDENTS

General Information Catalog

This small pictorial and factual booklet contains information and guidelines for the prospective student. It is distributed in application packets, at college days, night programs, and in correspondence. Quantities will be sent on request. Write University Graphics or School/College Relations Division, Office of Admissions and Records.

OTHER MATERIALS AND OFFICES

Admission Applications--Office of Admissions and Records

Testing Information (ACT)--Testing Office, Career Planning and Placement Center

Financial Assistance Applications--Office of Student Work and Financial Assistance

University Housing Information--Housing Business Services, Washington Square, Building D

Off-Campus (Private) Housing Information--Housing Information Center, Washington Square, Building C



