

1961

1961-1963 Southern Illinois University Bulletin (General Information)

Southern Illinois University Carbondale

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Objectives of Southern Illinois University

TO EXALT BEAUTY

IN GOD,
IN NATURE,
AND IN ART;
TEACHING HOW TO LOVE THE BEST
BUT TO KEEP THE HUMAN TOUCH,

TO ADVANCE LEARNING

IN ALL LINES OF TRUTH
WHEREVER THEY MAY LEAD,
SHOWING HOW TO THINK
RATHER THAN WHAT TO THINK,
ASSISTING THE POWERS
OF THE MIND
IN THEIR SELF-DEVELOPMENT;

TO FORWARD IDEAS AND IDEALS

IN OUR DEMOCRACY,
INSPIRING RESPECT FOR OTHERS
AS FOR OURSELVES,
EVER PROMOTING FREEDOM
WITH RESPONSIBILITY;

TO BECOME A CENTER OF ORDER AND LIGHT

THAT KNOWLEDGE MAY LEAD
TO UNDERSTANDING
AND UNDERSTANDING
TO WISDOM.

General Information

Announcements for 1961-1963



SOUTHERN ILLINOIS UNIVERSITY BULLETIN
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The following issues of the *Southern Illinois University Bulletin* may be obtained without charge from General Publications, Southern Illinois University, Carbondale, Illinois.

General Information
Summer Session
Schedule of Classes (Carbondale)
Schedule of Classes (Edwardsville)
General Announcements (Edwardsville)
Graduate School
College of Education
College of Liberal Arts and Sciences
School of Agriculture
School of Applied Science
School of Business
School of Communications
School of Fine Arts
School of Home Economics
University Institutes
Division of Technical and Adult Education

All intending students should have the General Information Bulletin (issued once a year), plus the special bulletins of the various educational units in which they are most interested.

Board of Trustees

	TERM EXPIRES		TERM EXPIRES
JOHN PAGE WHAM, <i>Chairman</i>	1965	HAROLD R. FISCHER	1963
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This Bulletin

contains general information about the University, its instructional units, and the degrees it confers. Also included are details concerning admission, advisement, registration, fees, housing, financial assistance, student employment, the Department of Nursing, and the Air Force Reserve Officers Training Corps.

For details concerning any particular school or college of the University, refer to the appropriate bulletin listed on page ii.

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University Calendar, 1961-1962

SUMMER SESSION

Session Begins	Monday, June 19
Independence Day Holiday	Tuesday, July 4
Final Examinations	Wednesday–Thursday, August 9–10
Commencement	Friday, August 11

FALL QUARTER

New Student Week (Carbondale)	Sunday–Tuesday, September 17–19
New Student Week (Edwardsville)	Saturday–Sunday, September 16–17
Quarter Begins	Wednesday, September 20
Thanksgiving Recess	Wednesday, 12 noon–Monday, 8 A.M. November 22–27
Final Examinations	Monday–Saturday, December 11–16

WINTER QUARTER

Quarter Begins	Tuesday, January 2
Final Examinations (Carbondale)	Monday–Saturday, March 12–17
Final Examinations (Edwardsville)	Wednesday–Monday, March 14–19

SPRING QUARTER

Quarter Begins	Monday, March 26
Memorial Day Holiday	Wednesday, May 30
Final Examinations	Wednesday–Tuesday, June 6–12
Commencement (Carbondale)	Wednesday, June 13
Commencement (Edwardsville)	Thursday, June 14

Summer classes begin on Tuesday, June 20. During a quarter, Carbondale day classes begin on the second day of the quarter. Carbondale evening classes (5:45 p.m. or later) begin on the first day. Classes on the Edwardsville campuses begin on September 21, January 4, and March 28.

University Calendar, 1962-1963

SUMMER SESSION

Session Begins	Monday, June 18
Independence Day Holiday	Wednesday, July 4
Final Examinations	Wednesday–Thursday, August 8–9
Commencement	Friday, August 10

FALL QUARTER

New Student Week	Friday–Sunday, September 21–23
Quarter Begins	Monday, September 24
Thanksgiving Recess	Wednesday, 12 noon–Monday, 8 A.M. November 21–26
Final Examinations	Wednesday–Tuesday, December 12–18

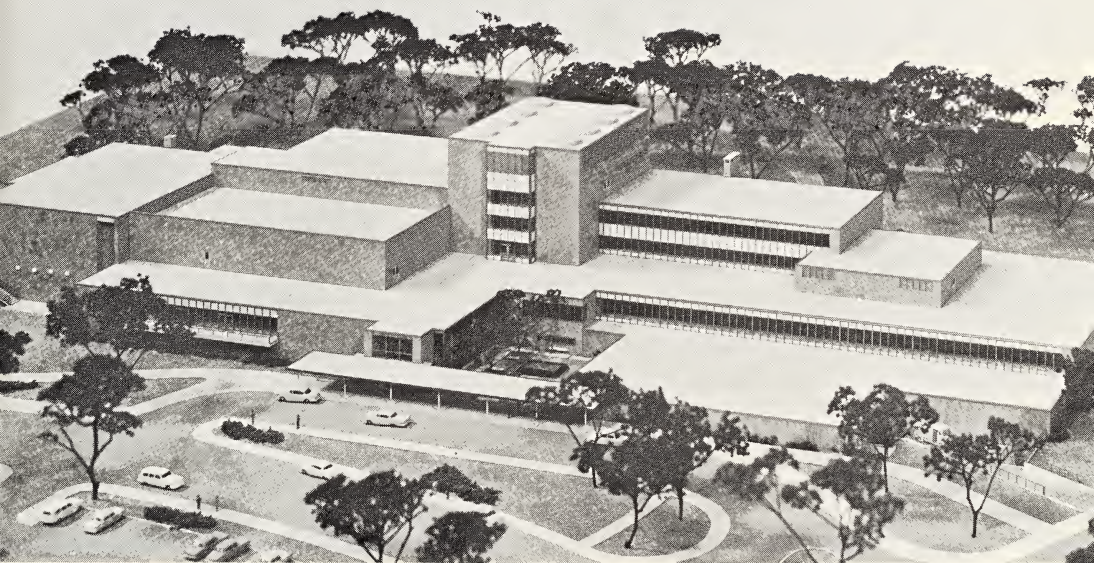
WINTER QUARTER

Quarter Begins	Wednesday, January 2
Final Examinations	Wednesday–Tuesday, March 13–19

SPRING QUARTER

Quarter Begins	Wednesday, March 27
Memorial Day Holiday	Thursday, May 30
Final Examinations	Thursday–Wednesday, June 6–12
Commencement	Thursday, June 13

Summer classes will begin on Tuesday, June 19. During the fall, winter, and spring quarters, day classes will begin on the second day of the quarter. Evening classes (5:45 P.M. or later) will begin on the first day of the quarter.



University Center

Dedicated on June 10, 1961, and formally opened for use on July 5 following, the new University Center provides a quarter of a million square feet of area for a greatly enriched program of co-curricular and learning experiences. It was constructed with funds borrowed from the Housing and Home Finance Agency and the sale of revenue bonds. This debt will be paid with income from student fees and from income-producing operations of the building.



The main entrance faces east overlooking McAndrew Stadium.

A wide marble stairway in the main entry, flanked by large planting areas, provides access to the main ballroom.



The Magnolia Lounge affords a view to the west overlooking the outdoor terrace into Thompson Woods.



The Renaissance Room is one of several private dining rooms.

Sixteen modern bowling lanes are among the many indoor sports activities provided.



This spacious outdoor terrace lounge on the west side of the building is just a few steps from the edge of Thompson Woods.



This spacious lounge area is adjacent to the main ballroom. Mirrored walls at either end give it an even more spacious appearance.



One of the several River Rooms utilized for dining-meeting rooms for small groups.



Edwardsville Campuses

The operational program of Southern Illinois University's Edwardsville Campuses is unique. In East St. Louis, classes are conducted in the building formerly occupied by the Senior High School, while at Alton, classes are held on the campus of the former Shurtleff College. Most of the administrative offices of the Edwardsville Campuses are housed in temporary residence buildings on the proposed ultimate campus site at Edwardsville.



One of the picturesque buildings where classes are held on the Alton campus is Science Hall. Like the other buildings on this campus, it is constructed of stone and is beautifully landscaped.

The former Senior High School, this building houses the University's program in East St. Louis.



Part of the ultimate site of the Edwardsville campus, this area provides the setting for outdoor commencement exercises.





The University

SOUTHERN ILLINOIS UNIVERSITY was established in 1869 as Southern Illinois Normal University. The shortened name became official in 1947 by action of the state legislature.

In 1874 the first building on the campus at Carbondale was completed, financed by state-appropriated funds and contributions from citizens of Jackson County. In the fall of that year, the first regular academic year for the school, 150 students were enrolled. The student population has increased steadily to over 13,300 resident students and another 3,000 taking off-campus work.

For some years after its establishment, Southern operated as a two-year normal school. In 1907 it became a four-year, degree-granting institution, though continuing its two-year course until 1936. In 1943, after a vigorous campaign led by President Roscoe Pulliam, the state legislature changed the institution, which had been in theory exclusively a teacher-training school, into a university, thereby taking official recognition of the great demand in the area for diversified training.

The action of the legislature led to establishing colleges of Education, Liberal Arts and Sciences, and Vocations and Professions, offering the Bachelor of Science in Education, Bachelor of Arts, and Bachelor of Science degrees. In 1947 the Bachelor of Music degree was approved, in 1951 the Bachelor of Music Education, and in 1957 the Bachelor of Science in Agriculture. Graduate work was instituted in 1943 and the Graduate School was formally established in 1948. At this time it was authorized to grant the Master of Arts and Master of Science degrees in addition to the Master of Science in Education. In 1952 the Master of Fine Arts degree was added to the list, the Doctor of Philosophy in 1955, and in 1956 the Master of Music, and the Master of Music Education. The divisions of Communications, Fine Arts, and Rural Studies were established in 1953, and in 1955 became the schools of Communications, Fine Arts,

and Agriculture respectively. The College of Vocations and Professions was dissolved, and a School of Business was created in 1956. In 1957 the Department of Home Economics became the School of Home Economics, and in 1959 the Department of Applied Science became the School of Applied Science. On July 1, 1961, the School of Applied Science was re-named as the School of Technology, which will include the engineering programs. The growth of classes for adults and for those seeking technical training led to the establishment in 1953 of the Division of Technical and Adult Education, of which the Vocational-Technical Institute is a part.

The Small Business Institute was established in 1954, and the Community Development Institute was established in 1956. The Labor, Latin American, and Rehabilitation institutes were created in 1957 and the Transportation Institute in 1960.

In 1949 the Belleville Residence Center was established. Then, because of the growing demand for educational opportunities in the Madison-St. Clair counties area, the University established the Alton Residence Center and the East St. Louis Residence Center in 1957. In 1958 the Southwestern Illinois Residence Office was created to co-ordinate and direct the educational activities in this area. In 1959 the Southwestern Illinois Campuses were recognized as a unit co-ordinate with the Carbondale campuses.

At the present time the administrative offices of the Southwestern Illinois Campus, located at Edwardsville, direct the educational programs at Alton and East St. Louis. The academic organization of the Edwardsville campuses consists of six divisions of instruction with a number of major programs in each division. The divisions are business, education, fine arts, humanities, science and technology, and social sciences.

The presidents of the University have been

Robert Allyn	1874-1892
John Hull	1892-1893
Harvey W. Everest	1893-1897
Daniel B. Parkinson	1897-1913
Henry W. Shryock	1913-1935
Roscoe Pulliam	1935-1944
Chester F. Lay	1945-1948
Delyte W. Morris	1948-

LOCATION

Southern Illinois University has educational programs in operation at Carbondale; in the Madison-St. Clair counties area; at Southern Acres, ten

miles east of Carbondale; and at the Little Grassy Lake, ten miles southeast of Carbondale.

Carbondale Campuses

The Carbondale campus is located at the southern edge of Carbondale, a railroad center easily accessible from all directions. The region surrounding Carbondale is noted for its large peach and apple orchards, which in blossomtime attract many tourists. Two state parks and four lakes are located within ten miles of the campus and offer excellent recreational facilities.

The campus is at present undergoing extensive expansion. It now comprises more than 2,500 acres, and more tracts of land are to be added. The following large permanent buildings form the nucleus of the Carbondale campus's physical plant.

Old Main	1886	Woody Hall	1953
Altgeld Hall	1896	Life Science Building	1953
Wheeler Hall	1903	Morris Library	1956
Allyn Building	1908	Thompson Point Residence	
Anthony Hall	1913	Halls (6 buildings)	1956
Shryock Auditorium	1916	Agriculture Building	1957
Gymnasium	1925	Home Economics Building	1958
Parkinson Laboratory	1928	Group Housing (9 units)	1959
McAndrew Stadium	1938	Southern Hills	
Power Plant	1949	Apartments	1959
Service Shops	1951	University Center	1961
University School	1951		

Until additional space is available, the University is making use of several dozen small temporary buildings. Some of these are converted residences; others were built originally as army barracks and have been transported to the campus for office, classroom, dormitory, apartment, and storage space. They will be given up as permanent space becomes available.

The campus at Southern Acres, in the former administrative area of the Illinois Ordnance Plant, contains the educational facilities of the Division of Technical and Adult Education, a veterans housing project, and some dormitory facilities for single students.

The Little Grassy Lake campus includes some 990 acres of land devoted to instruction and training in outdoor education.

Edwardsville Campuses

The central administrative offices directing the educational programs in the Madison-St. Clair counties area are located at Edwardsville. In the

midst of the natural scenic beauty of nearly 2,600 acres of wooded rolling countryside the offices of the President, Dean, Registrar, Business Operations, Personnel and the Library are housed in temporary quarters. The central campus is southwest of Edwardsville.

In April, 1960, a group of consultants began work on a master plan for the new Edwardsville site, which would provide facilities for a daily commuting student body of 18,000 by 1970. With the passage of the bond issue in November, 1960, funds will be available to complete the planning and begin the preliminary construction.

The facilities of the former Shurtleff College have been leased by the University for the operation of the Alton campus. Eight permanent buildings form the nucleus of this 40-acre campus. Nine additional buildings have been prepared on a temporary basis to meet the needs of an expanded undergraduate and graduate program.

The East St. Louis campus is located on Ohio Street at Ninth and Tenth. Laboratories, classrooms, libraries, and other facilities of a former senior high school have been redesigned and re-equipped to provide for a comprehensive undergraduate and graduate program at this campus.

ENROLLMENT

The final registration for the 1960 fall quarter was 8,465 on the Carbondale campus, 4,304 on the Edwardsville campuses, and 563 on the Southern Acres campus, making a total of 13,332 resident students.

SESSIONS

The academic year is divided into three quarters. Each quarter is approximately twelve weeks in length.

The fall quarter opens near the middle of September and closes just prior to the Christmas vacation period. The winter quarter begins early in January and ends around the middle of March. The spring quarter begins the latter part of March and ends about the second week in June. Definite dates for each quarter may be found in the University Calendar.

In addition to the three regular quarters, there is an eight-week summer session which begins immediately following the close of the spring quarter.

The summer session consists of a comprehensive program of courses offered by most departments and divisions of the University. In addition to the courses which run the full eight weeks, there are workshops and short courses covering shorter periods of time.

The basic unit (hour) of instruction is a period of fifty minutes. All schedules allow an interval of ten minutes between successive instruction periods. During the regular academic year daytime classes meet on the hour, from 8:00 A.M. to 5:00 P.M., including the noon hour. On Saturdays, classes are scheduled during the morning hours only. For example, a three-hour course may be scheduled to meet at 8:00 A.M. either on Monday, Wednesday, and Friday, or on Tuesday, Thursday, and Saturday. For the benefit of teachers and other employed persons a certain number of upper-level and graduate courses are scheduled to meet for a longer period on Saturday morning only. Evening classes are usually scheduled to meet two or three evenings a week for extended periods of time. Upper-level and graduate courses are scheduled to meet one evening for a longer period of time. For specific information concerning classes, consult the Schedule of Classes for the appropriate campus.

Summer session class periods are lengthened to seventy-five minutes to compensate for the shorter (eight-week) term.

BULLETINS

The University publishes a General Information bulletin annually. This bulletin provides general information about the entire University. It also furnishes detailed information about the Air Force Reserve Officers Training Corps and the Department of Nursing. In addition, each college, school, and division on the Carbondale campus has its own bulletin furnishing detailed information. A bulletin is also being prepared to give detailed information concerning the Edwardsville campuses. A listing of the bulletins currently available from General Publications appears on page ii of this bulletin.

REGULATIONS

The University and its various instructional units reserve the right to change the rules regulating admission, instruction, and graduation and to change any other regulation affecting the student body. Such regulations shall go into force whenever the proper authorities so determine, and shall apply both to prospective students and to those who have matriculated in the University. The University also reserves the right to withdraw courses and to change fees.

A copy of the rules and regulations governing student life may be obtained from the Office of Student Affairs on any campus of the University.

RESPONSIBILITY OF THE STUDENT

Students of Southern Illinois University are to conduct themselves at all times according to standards expected of responsible persons.

Each student must assume responsibility for his progress by keeping an up-to-date record of the courses he has taken and by checking periodically with his adviser. Responsibility for errors in program or in interpretation of regulations of the University rests entirely with the student. Advice is always available on request.

GENERAL OFFICES

Central Administration

President Delyte W. Morris, Ph.D. (Iowa)	1948
Vice-President for Instruction Charles D. Tenney, Ph.D. (Oregon)	1931
Field Representative Charles C. Feirich, B.J. (Missouri)	1953-54; 1955
Assistant to the President Edward V. Miles, Jr., A.M. (St. Louis)	1919
Administrative Assistant to the President Kenneth R. Miller, M.S. in Ed. (Butler)	1958
Budget Officer Clifford R. Burger, M.S. (Indiana State)	1958
Director James D. Turner, Ph.D. (Indiana)	1958
Acting Legal Counsel C. Richard Gruny, LL.B. (Illinois)	1959
Assistant Legal Counsel L. James Struif, LL.B. (Illinois)	1960
Secretary to the President Lois H. Nelson, M.S. in Ed. (Illinois)	1948
Recorder Charles D. Butler, B.A. (Southern Illinois)	1955
Research Assistant Jane W. Crichton, B.Ed. (Southern Illinois)	1948-52; 1955

Secretary of the University Faculty Elbert Fulkerson, M.A. (Illinois) 1932

Carbondale Campuses

OFFICE OF THE VICE-PRESIDENT

Vice-President for Operations John E. Grinnell, Ph.D. (Stanford)	1955
Dean of Academic Affairs William J. McKeefery, Ph.D. (Columbia)	1961

Registrar

Registrar and Director of Admissions Robert A. McGrath, Ph.D. (Iowa)	1949
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Associate Registrar and Director of Admissions Willis E. Malone, Ph.D. (Ohio State)	1939
Instructor Wilbur Ray Venerable, M.A. (Kentucky), Pre-College Adviser	1957
Lecturer Paul E. Engsberg, M.Ed. (Missouri)	1961-62
Assistant Registrar Sue J. Eberhart, M.S. in Ed. (Southern Illinois)	1948
Assistant Registrar Herbert Wohlwend, M.S. in Ed. (Southern Illinois)	1958
Supervisor Allan Jones, M.A. (Southern Illinois)	1958
Supervisor Marion B. Treece, M.S. in Ed. (Southern Illinois)	1957
Division Chief Vera E. Borger, B.Ed. (Southern Illinois)	1958
Assistant Supervisor Loren H. Young, B.S. (Southern Illinois)	1959

Business Affairs

Director of Business Affairs John S. Rendleman, J.D. (Illinois)	1951
Director of Personnel Office Max M. Sappenfield, Ph.D. (Illinois)	1954
Director of Auxiliary and Service Enterprises Paul W. Isbell, M.S. (Illinois)	1952
Assistant Director of Auxiliary and Service Enterprises Carlton F. Rasche	1951
Supervisor of Campus Services Earl A. Morgan, Jr., B.Ed. (Southern Illinois)	1955
Assistant Co-ordinator Guy J. Moore, B.S. (Southern Illinois)	1957
Supervisor Christina Richart, B.S. (Millikin)	1958
Supervisor Freeman L. Schrodtt, LL.B. (Northwestern)	1954
Supervisor Francis Glynn, B.A. (Lake Forest)	1958
Business Manager Robert L. Gallegly, A.M. (Illinois)	1946
Assistant Business Manager Frank Dusek, B.S. (Southern Illinois)	1952
Assistant to the Business Manager Jack E. Simmons	1960
Chief Accountant Warren E. Buffum, B.A. (Washington)	1950
Assistant Chief Accountant James F. Metcalf, B.S. (Southern Illinois)	1960
Purchasing Agent George Toberman	1957
Bursar Thomas J. Watson, B.S. (Southern Illinois)	1953

Edwardsville Campuses

OFFICE OF THE VICE-PRESIDENT

Vice-President for Operations Clarence W. Stephens, Ed.D. (Indiana)	1952
Dean of Instruction William T. Going, Ed.D. (Michigan)	1957
Associate Dean of Instruction Milton B. Byrd, Ph.D. (Wisconsin)	1958

Registrar

Registrar and Director of Admissions John H. Schnabel, Ed.D. (Indiana)	1957
Assistant Registrar, Edwardsville, Robert M. Martin, M.A. (Illinois)	1959
Assistant Registrar, Alton, Samuel L. Stone, M.S. (Southern Illinois)	1959
Assistant Registrar, East St. Louis, Dorris Wilton, M.A. (Illinois)	1959

Business Affairs

Business Manager C. Eugene Peebles, B.S. (Illinois)	1953
Supervisor, Alton, Morris F. Carr, M.S. (Illinois)	1958
Supervisor, East St. Louis, Lloyd E. Hubert, B.S. (Southern Illinois)	1959
Division Chief, Accounting and Purchasing, William V. Connell, B.S. (Illinois)	1954-57; 1959
Division Chief, Personnel, Gene C. Turner, M.S. (Southern Illinois)	1958
Supervisor of Auxiliary and Service Enterprises Carl E. Alford, B.A. (Southern Illinois)	1959

Instructional Units

THIS SECTION provides a brief description of the purposes and programs of the University's instructional units. The units are arranged according to their location within the University. Those units having general university application are listed first, followed by those located on the Carbondale campus, and then the Edwardsville campuses.

A complete description of the programs of the Department of Nursing and the Air Force Reserve Officers Training Corps, located on the Carbondale campus, is presented in this bulletin because those two units do not have separate bulletins.

ALL-UNIVERSITY UNITS

THE GRADUATE SCHOOL

Accounting; Agricultural Industries; Animal Industries; Anthropology;¹ Art; Biological Sciences; Botany;¹ Chemistry;² College Student Personnel; Community Development; Design; Economics;¹ Educational Administration; Educational Administration and Supervision;¹ Elementary Education;¹ English;¹ Forestry; French; Geography;² Geology; German; Government;¹ Guidance and Counseling;¹ Health Education;¹ Higher Education;¹ History; Home Economics;³ Industrial Education; Instructional Materials; Instructional Supervision; Inter-American Studies; Journalism;² Kindergarten-Primary Education; Latin; Management; Marketing; Mathematics;

¹ Applications for the Doctor of Philosophy degree are now accepted in these fields.

² Applications for the Doctor of Philosophy degree will be accepted for the 1962 fall quarter.

³ The Doctor of Philosophy program is now being prepared in Home Economics.

*Microbiology;*¹ *Music;* *Philosophy;*² *Physical Education;*¹
Physical Sciences; *Physics;* *Physiology;*¹ *Plant Industries;*
*Psychology;*¹ *Recreation and Outdoor Education;* *Rehabilitation*
Administration; *Rehabilitation Counseling;* *Secondary Education;*¹
Secretarial and Business Education; *Social Studies;* *Sociology;*¹
Spanish; *Special Education;* *Speech;*¹ *Speech Correction;*¹
Theater; *Transportation;* *Zoology*¹

The purpose of the Graduate School is to make available to advanced students courses and other work which will increase their competencies in particular fields. Development of the power of independent investigation is especially sought. The association of mature and beginning scholars is an important aspect of graduate work and is encouraged. The Graduate School seeks to stimulate scholarly activity and research among the staff, in order to maintain the proper atmosphere for graduate instruction.

From 1944 until 1948, work could be taken toward the Master of Science in Education degree. During the latter year, the University was authorized to confer the Master of Arts and Master of Science degrees, and in 1952 the Master of Fine Arts degree was added. In 1953 a Sixth-Year Program of graduate work was authorized by the Board of Trustees, consisting of work beyond the master's degree. The Sixth-Year Program does not result in a degree but in a Specialist's Certificate, and is intended to be a terminal course, not one leading to more advanced graduate work. In 1956 the Master of Music and Master of Music Education degrees were authorized by the Board of Trustees.

In 1955 the board approved the Doctor of Philosophy degree. The first earned doctorate was awarded by the University in 1959 in the field of speech correction.

Graduate fellowships and assistantships are available to qualified graduate students. These positions pay from \$100 to \$250 per month on a half-time basis, with remuneration depending on the nature and responsibilities of the appointment in each case. Persons wishing to apply for graduate fellowships, which require no more than ten hours of work per week, should apply directly to the Graduate Office, in person or by written inquiry. Those wishing to apply for assistantships should inquire in the department of their major interest. In so doing, they must also make formal application to the Graduate School as outlined in the paragraph below, in addition to furnishing the department with the credentials it requires.

¹ Applications for the Doctor of Philosophy degree are now accepted in these fields of study.

² Applications for the Doctor of Philosophy degree will be accepted for the 1962 fall quarter.

Normally, the assistantship requires twenty hours of work each week. Both fellowships and assistantships carry remission of the tuition charge. There are certain other fees which are not remitted. There are also tuition scholarships available to qualified students through application to the dean of the Graduate School.

Students who wish to enter the Graduate School must first make formal application to the Admissions Office. Also they should ordinarily discuss the prospect of obtaining the courses they wish to take, or other work they wish to do, with the chairmen of major departments, since admission to the Graduate School does not automatically guarantee admission to a particular major.

Inquiries about graduate work should be directed to the Dean, Graduate School, Southern Illinois University, Carbondale, Illinois, or to the Graduate Office, Southern Illinois University, Edwardsville, Illinois.

DIVISION OF UNIVERSITY EXTENSION

Dean Raymond H. Dey, Ed.D. (Washington University)	1946
Associate Dean Ernest J. Simon, M.S. (Illinois)	1950
Assistant Dean Benson B. Poirier, Ed.D. (Wyoming)	1958
Field Representative Jess Wilbur Turnbow, B.A. (Greenville)	1955

The purpose of the Division of University Extension is to make university credit courses available to people who are not in residence. It calls upon the various instructional agencies of the University for the personnel used to carry out its program.

Southern Illinois University is a member of the National University Extension Association and meets the standards of this association.

Inquiries concerning the programs and services of the Division of University Extension should be directed to the Dean, Division of University Extension, Southern Illinois University, Carbondale, Illinois.

EXTENSION CREDIT CLASSES

Scheduling off-campus college credit classes is a chief function of the Division of University Extension. The program was originally designed for public school teachers and administrators. It has been expanded, however, to serve many other groups. A class is now scheduled whenever fifteen or more qualified people indicate their intention of enrolling in it, provided that a staff member for that particular subject is available at that time.

A maximum of one-half of the total number of credits required for the bachelor's degree, or ninety-six hours, may be earned through extension classes, and up to sixteen hours for the master's degree.

Many courses that are offered in residence are also regularly offered through extension, and, when satisfactorily completed, are ordinarily given the same credit as residence work. All instructors of these extension courses are members of the regular university faculty, and the work offered meets all of the requirements of the American Association of Colleges for Teacher Education and the North Central Association of Colleges and Secondary Schools.

CONFERENCES, SHORT COURSES, AND TOURING THEATER

The Division of University Extension assists any campus department in planning and carrying out conferences and workshops, whether they be scheduled on or off campus.

Last year more than 200 events of this nature were held on the Carbondale campus with a total attendance approximating 35,000 persons. In co-operation with the Department of Theater the division has for the last four springs arranged for a touring theater to present plays in area communities. In the fall of 1960, plays were presented in twenty-two communities. The theater is self-supporting, with area organizations sponsoring the plays and earning funds for local civic projects.

The division also provides a County Institute Service for specialized faculty groups and for teacher groups in general. The programs vary in length from one hour to two days and are sometimes given as workshops for teachers before school opens in the fall.

DIVISION OF TECHNICAL AND ADULT EDUCATION

The Division of Technical and Adult Education serves adults and high school graduates interested in obtaining a college-level program of instruction of a shorter duration than the usual four-year college program, qualifying them for employment at the semiprofessional and technical level in industry and business.

VOCATIONAL-TECHNICAL INSTITUTE

The Vocational-Technical Institute, located on the Southern Acres campus near Carbondale, provides for high school graduates one- and two-year college-level terminal programs for training technicians. These programs are designed to prepare men and women to fill the positions in business and industry between the skilled worker and the engineer or professional man.

Associate in Technology Programs

The two-year associate degree programs in technology are designed to

give students broad foundations in special subjects in the technical field, together with sufficient knowledge of theoretical principles. Courses in general education are included to promote an understanding of problems encountered in living and working in the community.

Graduates are qualified for such positions as estimators, servicemen, factory representatives, technical assistants, draftsmen, engineering aids, commercial artists, and technicians in the fields of electronics, radio and television, building construction, dental laboratory work, industrial wood-working, machine tools and design, printing, automotive mechanics, and drafting and design.

The courses are taught by instructors who have had industrial experience in their respective fields. The laboratories and shops are equipped with modern instruments and machines comparable to those used in industry and reflecting the needs in technical employment. These associate programs in technology are six quarters in length and require a minimum of 104 to 110 hours of credit for graduation.

Associate in Business Programs

Two-year curricula in business are programs to prepare graduates for office or retailing occupations. Completion of any of these programs leads to an Associate in Business degree. In addition to skill training, related and general education courses are required which provide the student with background information as a basis for occupational advancement.

Curricula in business for office occupations are designed to prepare students for the initial job in accounting or as executive, legal, or medical secretaries.

The curriculum in business for merchandising lends particular emphasis to buying and selling. This program of study is made up of on-campus instruction and of college credit work experience in selected merchandising establishments.

One-Year Certificate Programs

One-year programs are available in the fields of cosmetology (beauty culture), practical nursing, welding, bookkeeping-clerical, stenographic, and calculating machines.

A graduate of the cosmetology program is eligible for the state examination which must be passed to obtain a license as a beautician in Illinois.

A graduate of the practical nursing program is eligible for the state examination which must be passed to obtain a license as a practical nurse.

Inquiries concerning the programs of the Vocational-Technical Institute should be directed to the Dean, Division of Technical and Adult Education, Southern Illinois University, Carbondale, Illinois.

ADULT EDUCATION

The Adult Education program consists of noncredit courses in various vocational, technical, and general education fields designed to provide a wide variety of educational opportunities for adults.

Most courses range in length from eight to twelve weeks, two or three hours weekly. Certain special courses are offered for sixteen to twenty-four weeks. These tailor-made courses are varied to meet the interests and needs of the adults served. Courses are designed to assist adults to improve existing skills or to gain new skills and technical knowledge for advancement to better positions. Courses have been given for plumbers, carpenters, bricklayers, construction foremen, machinists, retail and office workers, nurses, bankers, insurance brokers, union business agents, welders, sales personnel, secretaries, accountants, office clerks, and farmers. The Adult Education program also includes many intensive short courses during each year. Among these are kiln-drying courses for hardwood lumbermen; a two-week cosmetology course; a series of one-week courses for rural electrification linemen and office managers; chartered life underwriters, chartered property, and casualty insurance specialized courses, and Illinois Bankers' School for the development of junior executives.

Adult education programs consisting of a series of courses geared to the needs of particular groups are also available. An example is the two-year industrial management program in East St. Louis, Granite City, and Alton areas, in co-operation with East Side Manufacturer's Association, Greater Alton Industries, and East St. Louis Manufacturer's Association.

The adult education courses are taught by regular staff members obtained from every division and school of the University, as well as carefully selected specialists from the ranks of business, industry, and the professions.

Inquiries concerning the programs and services of Adult Education should be directed to the Assistant Dean, Division of Technical and Adult Education, Southern Illinois University, Carbondale, Illinois.

COMMUNITY DEVELOPMENT INSTITUTE

The Community Development Institute has been established for students seeking training in work with individuals and groups striving to develop a more satisfactory life within the community setting. The institute's purposes also include training of adults concerned with improving their community leadership, and co-operating with departments of the University and other agencies in research undertakings to investigate community processes and social change.

Students do not ordinarily enroll in the institute while they are freshmen because none of the specifically designed community development courses are open to freshmen. However, it is well for a student interested in this program to discuss his plans with the director and to develop his comprehensive program as early as possible in his college career. Accent is placed on sequences of study to meet the academic needs of individuals.

Inquiries about the institute's program should be addressed to the Director, Community Development Institute, Southern Illinois University, Carbondale, Illinois.

TRANSPORTATION INSTITUTE

The Transportation Institute was established on July 1, 1960, to help meet the increasing need for specially educated men and women in the transportation industry. With all four major modes of transport experiencing revolutionary developments in operation and organization, the transportation industry, so vital to the economy and security of the nation, holds exceptional opportunities for career-minded students. To this end, the Transportation Institute, in co-operation with other agencies of the University, will arrange for special graduate, undergraduate, and adult education courses in transportation.

Inquiries concerning the programs and services of the institute should be addressed to the Director, Transportation Institute, Southern Illinois University, Carbondale, Illinois.

CARBONDALE UNITS

COLLEGE OF LIBERAL ARTS AND SCIENCES

Anthropology; Botany; Chemistry; English; Foreign Languages; Geography; Geology; Government; History; Mathematics; Microbiology; Philosophy; Physics and Astronomy; Physiology; Psychology; Sociology; Zoology

The College of Liberal Arts and Sciences serves the students of Southern Illinois University at Carbondale in many capacities. Its course offerings provide (1) basic subject matter for the general studies program; (2) opportunity for concentration in a major in any one of the seventeen academic departments administered by the college; (3) electives not available in other instructional units of the University; (4) extension and adult education offered through the appropriate divisions; (5) graduate level instruc-

tion for students pursuing higher degrees than the baccalaureate; (6) pre-professional training needed for admission to such specialized schools as law, medicine, and dentistry.

The diversified offerings of the College of Liberal Arts and Sciences are designed to help the student achieve a balanced personality, an awareness of the cultures of the past, an appreciation of his fellow man, and a fundamental understanding of the ever-changing physical, social, and political environment in which he lives. A student in the college may prepare for teaching at the secondary level by including in his studies certain professional courses offered by the College of Education. The Bachelor of Arts or Bachelor of Science degree is granted to a student who fulfills requirements for graduation from the College of Liberal Arts and Sciences.

High school students planning to enroll in the college should consult their counselors regarding their course of study. In general, high school students should include in their program of study: four units of English, three to four units of mathematics with a minimum of one and one-half units of algebra and one unit of plane geometry, one unit of physics or chemistry, and two units of a foreign language with Latin preferred.

Admission to the College of Liberal Arts and Sciences should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the college should be directed to the Dean, College of Liberal Arts and Sciences, Southern Illinois University, Carbondale, Illinois.

THE SOCIAL STUDIES

The social studies departments of the College of Liberal Arts and Sciences offer courses designed to enable the student to achieve an understanding and appreciation of civilization viewed in historical perspective and thereby to equip him for participation in the duties and responsibilities of citizenship. His studies will provide him with a better understanding of the nature and variety of religions, social organizations, and technologies and give him insight and understandings which will enable him to live more constructively with others in his family, community, and nation.

THE SCIENCES

The earth, physical, and biological science departments contribute to the liberal education of all students, whether their principal intellectual interests are in these disciplines or in other areas of specialization. The methodologies of the disciplines help the student develop habits of orderly thinking. A knowledge of science also equips him to understand the worlds of nature, technology, and industrial processes.

THE HUMANITIES

A student in the humanities is expected to attain proficiency in language, to develop an understanding and appreciation of literature, and to recognize its civilizing values. The works, men, and intellectual movements that make up literary history are examined. The basic and persistent human problems are identified, and their classic and current solutions are studied. A critical evaluation of mankind's moral, aesthetic, and religious values is made in their historical and contemporary settings.

PREPROFESSIONAL PROGRAMS

The college offers preprofessional programs for students training for careers in the following professions: dentistry, law, medicine, medical technology, occupational therapy, pharmacy, physical therapy, public health, theology, and veterinary science.

COLLEGE OF EDUCATION

Educational Administration and Supervision; Elementary Education; Guidance; Health Education; Higher Education; Instructional Materials; Physical Education for Men; Physical Education for Women; Recreation and Outdoor Education; Secondary Education; Special Education; Student Teaching; University School

The College of Education is committed to giving professional training to teachers of all subjects taught in the public schools and to supervisors, administrators, and specialists. The preparation of teachers for all grades from kindergarten through high school is the special function of the college. 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. For most undergraduate students preparing to teach in high schools, the subject matter majors will be taken in the other colleges and schools of the University, and the professional preparation for teaching, including the student teaching, will be taken in the College of Education.

At Southern a high school graduate looking for a career in the educational world can prepare for high school, elementary, or kindergarten-primary teaching; for coaching; for positions in school administration; for guidance work; for teaching and supervising special education; and for other community services. He can prepare to teach in special fields such as art, music, home economics, industrial education, business, and agriculture. He can prepare to be a teacher of science, social studies, English, and

mathematics. He can get a teaching specialization in specialized fields such as speech correction and general speech. He can dedicate himself, if he wishes, to the teaching of mentally handicapped children, the hard of hearing, or the partially sighted. Physical education as a field attracts many able men and women, as do such newer fields as recreation and outdoor education. The graduate may look for a career in health education or in school counseling. He may prepare to be a principal or a superintendent by going on with graduate work, or even to be a teacher of teachers in some college or university. The College of Education grants the Bachelor of Science in Education and the Bachelor of Music Education degrees.

The Teacher Training Division offers the student teaching for teachers in all departments. An important part of the division is the University School, where potential teachers observe good teaching, make studies, and obtain practice. The division also has arrangements for student teaching under careful supervision in a number of public schools in Southern Illinois.

Students who wish to become principals or supervisors in the public schools take graduate work in the Department of Educational Administration and Supervision. The department's major emphasis is on graduate work, but it also participates in providing background for elementary and high school teachers.

Admission to the College of Education should be initiated through the Admissions Office. Inquiries concerning the programs of the college should be directed to the Dean, College of Education, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF AGRICULTURE

Agricultural Industries; Animal Industries; Forestry; Plant Industries

The School of Agriculture has three primary functions: teaching, educational service, and research. The option of agricultural science is available in both animal and plant industries with the option of agricultural business offered in agricultural industries. In addition, the school offers curricula in general agriculture and vocational agricultural education. The programs of study offered by the School of Agriculture lead to a Bachelor of Science in Agriculture degree. In addition to adequate classrooms and well-equipped laboratories, there are agronomy, beef, dairy, horticulture, poultry, sheep, and swine centers where students may observe the latest developments in these technical areas. Test farms are operated to demonstrate the effectiveness of various programs and to serve as farm management laboratories.

Much of the work on approximately 1,800 acres of farm land is done by student workers, who are thereby enabled to pay part of their college expenses, as well as to obtain practical and educational experience in agriculture.

The Department of Agricultural Industries provides instruction, research, demonstration, and consultation in the fields of agricultural economics, agricultural education, and agricultural engineering.

The Department of Animal Industries provides instruction, research, demonstration, and consultation in those phases of agriculture and industry dealing with livestock, dairying, and poultry production.

Students interested in veterinary medicine or dairy technology may obtain two years of training in this department before entering a professional school to complete their preparation.

The Department of Forestry provides instruction, research, and consultation in the fields of forest production and utilization. The department offers a four-year curriculum leading to a Bachelor of Science degree.

The Department of Plant Industries provides instruction, research, demonstration, and consultation in those phases of agriculture dealing primarily with the production of plants, their preservation and use, and the soils in which they grow.

Depending upon the interests of the student, preparation may be obtained in a wide range of agricultural fields from general farming to intensive specialization; from commercial sales and consultation to preparation for advanced study, research, and teaching.

Admission to the School of Agriculture should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the school should be directed to the Dean, School of Agriculture, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF BUSINESS

*Accounting; Economics; Management; Marketing;
Secretarial and Business Education*

Although the School of Business will accept graduates from any recognized high school, it recommends that these students include in their high school program at least three units of English, two of mathematics, two of science, and two of social studies.

The School of Business grants the Bachelor of Science degree. The school is composed of the following five departments: Accounting, Economics, Management, Marketing, and Secretarial and Business Education. Each of these specializations aims to prepare the student for successful per-

formance in the business world. The programs develop not only a knowledge of the operational methods of business and a familiarity with the sources of information and methods of collecting and interpreting data but also an understanding of, and a skill in, the art of human relations plus a high sense of integrity and responsibility.

Students who fulfill both the general university requirements and the requirements of their major department can normally expect to earn the Bachelor of Science degree in four years. Students may, if they wish, choose a minor field of specialization. Groupings of courses constituting a minor specialization are provided not only for students in this school but also in other schools and colleges of the University. Students in the School of Business are required to take at least 40 per cent of the graduation requirement of 192 hours within the school and 40 per cent in general education courses outside of the school.

Proficiency in the written and spoken language is required. To evidence this the student is required to take and pass an English proficiency examination before the end of his sophomore year.

Admission to the School of Business should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the school should be directed to the Dean, School of Business, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF COMMUNICATIONS

*Journalism; Printing and Photography; Radio-Television;
Speech; Speech Correction; Theater*

The School of Communications is set up to allow the students of the University to specialize in the study of the various mass communications media and to develop skills in the utilization of those media.

The School of Communications also is interested in research work in the various aspects of mass communications, and in making consulting and other services available to area schools, newspapers, radio and television stations.

The Department of Journalism offers professional training in news and editorial writing as well as in more specialized types of writing, community newspaper management, advertising, printing, and photography. Practical experience is available through supervised work on campus publications and through the co-operation of area publications.

The Department of Printing and Photography offers a four-year curriculum for a major in printing management and a four-year curriculum for a major in general photography.

The printing management curriculum includes courses designed to

provide background training for students in such other fields as journalism and industrial education. Students majoring in printing management are required to take certain courses in the School of Business.

The major sequence in general photography includes independent sequences in cinematography and publications photography.

The Department of Radio-Television offers a curriculum in electronic mass communications. Training is designed for those who will work in commercial and educational radio and television stations and in closely related businesses on a full-time professional basis; for those who will work on a part-time basis in such areas as religion, public relations and promotion, and education; and for those who will be interested in radio and television only as members of the audience. Major areas of instruction are station management, programming, production and direction, writing, announcing, analysis of programs and audiences, and research in all phases of radio and television. Actual experience is provided in the University's Broadcasting Service and professionally equipped FM radio station, in the University's developing television operations, and in area radio and television stations.

The Department of Speech offers general work in public speaking, oral interpretation, speech education, and the general speech training of students in other areas of specialization in the University.

The Department of Speech Correction offers specialized training (1) for people wishing to be certified as speech correctionists by the state of Illinois; (2) for classroom teachers who need to be able to work with minor speech defects and to know the referral agencies which may be used to help the more severe cases; and (3) for more highly specialized persons to work in colleges, universities, hospitals, and private clinics.

The Department of Theater offers complete preparation for participation in theater activity of every kind. Courses are offered for students who expect to participate in community theater activity either as a vocation or as an avocation; teachers in educational theaters whether at the elementary, secondary, or college and university level; and the occasional very gifted student who wishes to prepare for professional theater.

Admission to the School of Communications should be initiated through the Admissions Office. Inquiries concerning additional information about the programs of the school should be directed to the Dean, School of Communications, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF FINE ARTS

Art; Music; Design

The School of Fine Arts serves as an instrument of the University for

the direction of training and the stimulation of creative and professional work in the fine arts. It provides service work for the other colleges, divisions, schools, and departments of the University. It also makes every reasonable effort to take care of the needs of students, other than art, design, and music majors, who want an experience in the fine arts for either cultural or practical reasons. It offers not only undergraduate work but also graduate work leading to the master's degree.

The School of Fine Arts sponsors a number of special events each year. A Fine Arts Festival, which lasts several weeks, includes lectures by noted artists, musical ensembles, individual performances, dance recitals, dramatic presentations, and art exhibitions.

A continuous program of art exhibitions is presented as a part of the educational process for students in the School of Fine Arts and as a service to the University, the community, and the area. Music Department facilities and courses serve the university community through special courses for non-music majors and through an intensive series of public music programs available at no cost to university students and faculty members.

The Department of Art offers the Bachelor of Science in Education degree in the College of Education with a major in art for those students who wish to prepare themselves for positions in primary and secondary school teaching. The Bachelor of Arts degree in the College of Liberal Arts and Sciences, with a major in art, is for students who wish to broaden their cultural perspective or who, by continuing with graduate work, are interested in teaching art history in colleges and universities. The Bachelor of Arts degree for students in the School of Fine Arts is offered for those who wish to prepare for professional careers in the various programs indicated above.

The Department of Design offers programs in visual design and product-shelter design.

The undergraduate degree in both visual and product-shelter design is a Bachelor of Arts degree in the School of Fine Arts. The undergraduate program is a four-year course designed to integrate the arts, sciences, and humanities with the design activity.

The Department of Music is an institutional member of the National Association of Schools of Music. It offers courses and curricula in music theory and composition, music history and literature, applied music, music education, church music, and recreational music.

The Bachelor of Music degree is offered for those students who wish to prepare for careers as professional performers and studio teachers, or who desire preparation for the Master of Music degree.

For students in the College of Education, the Department of Music offers courses leading to the Bachelor of Music Education degree. The

curriculum offers a wide variety of musical experiences designed to prepare candidates for primary and secondary school teaching. In co-operation with the Department of Recreation and Outdoor Education, a series of courses is offered to prepare the specialist in recreational music.

The Bachelor of Arts degree with a major in music is available to students in the College of Liberal Arts and Sciences who wish to broaden their cultural perspective through this medium.

Admission to the School of Fine Arts should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the school should be directed to the Dean, School of Fine Arts, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF HOME ECONOMICS

*Clothing and Textiles; Food and Nutrition; Home and Family;
Home Economics Education*

The major objectives of the School of Home Economics are to provide instruction, to stimulate research, to provide service work in home economics for other educational units desiring it, and to give to the people in the area service which will help in improving the understandings and practices in their families and homes.

Students in the School of Home Economics may follow curricula leading to the Bachelor of Science degree. A brief description of these curricula follows.

The apparel design curriculum is planned for students whose major interests and abilities are in clothing design and construction. It gives preparation for apparel designing or allied positions in the wholesale or retail fields of fashion by giving fundamental training in creative designing, draping, and clothing construction.

The clothing and textiles merchandising curriculum provides fundamental training for positions as salespeople, buyers, or department managers with retail stores, custom shops, and manufacturers that are dealing with apparel, textiles, and furnishings. It includes professional courses in retailing, accounting, marketing, advertising, journalism, and field experience as well as fundamental courses in clothing, textiles, and home furnishings.

The dietetics curriculum is designed to give technical education to those interested in becoming dietitians in hospitals, college dormitories, industrial plants, health clinics, laboratories, or public health and welfare organizations. The suggested curriculum meets the requirements of the American Dietetics Association.

The foods in business curriculum is planned for those students who

desire to enter the business field as home service representatives for utility companies; as demonstrators for manufacturers; or as educational, experimental, and promotional workers with household equipment and foods.

The interior decorating curriculum offers fundamental training in this field. It is designed for students interested in positions on interior decorating staffs of department stores, in consulting capacities in allied fields, and in establishing interior decorating businesses. The curriculum includes courses in art and art history, business, and clothing and textiles.

The home advisers curriculum prepares students for positions as home advisers, 4-H Club agents, and, with further training, extension specialists.

For students in the College of Education a curriculum leading to the Bachelor of Science in Education degree is planned 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 curriculum approved for teacher training by the Vocational Division of the United States Office of Education and by the State Board for Vocational Education. Southern Illinois University is so approved for training teachers of home economics.

Students in the College of Liberal Arts and Sciences may major in home economics. The curriculum for these students is planned for the profession of homemaking rather than for any of the salary-earning professional careers in home economics. This major allows time for specialization in a second field.

Admission to the School of Home Economics should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the school should be directed to the Dean, School of Home Economics, Southern Illinois University, Carbondale, Illinois.

SCHOOL OF TECHNOLOGY

Applied Science; Industrial Education

The School of Technology was established July 1, 1961, and includes the Department of Applied Science and the Department of Industrial Education.

The Department of Applied Science offers a complete course of study leading to the Bachelor of Science degree with a major in applied science. The first two years follow the requirements of many leading engineering schools, and the third and fourth years provide a general program in applied science. The degree is comparable to a general engineering degree.

The Department of Industrial Education serves (1) students interested

in teaching or supervising industrial education in the public schools, (2) students who plan to seek supervisory or teaching positions in industry, and (3) students interested in becoming manual arts therapists.

A student interested in teaching should plan to major in either industrial arts or trades and industries. One interested in industrial supervision and training within industry should plan to major in industrial supervision. A student interested in becoming a manual arts therapist should plan to major in manual arts therapy. The four-year specialization in manual arts therapy is in line with the United States Civil Service Commission's announcement No. 81B, *Manual Arts Therapist*, issued November 13, 1956.

Admission to the School of Technology should be initiated through the Admissions Office. Inquiries concerning further information about the programs of the school should be directed to the Dean, School of Technology, Southern Illinois University, Carbondale, Illinois.

DEPARTMENT OF NURSING

The Department of Nursing was established by the Board of Trustees in 1953 to help meet the health needs of the people in southern Illinois. Classes for registered nurses were first offered in the spring of 1956, and the first class of students in the basic professional program was admitted in 1957. The first Bachelor of Science degree in nursing, granted to a student in the supplemental program, was awarded at the summer session commencement in 1958.

Details concerning this department and its programs appear in this bulletin beginning on page 111.

LABOR INSTITUTE

The function of the Labor Institute is to promote harmony and co-operation between labor and management by encouraging the training of students and others interested in labor and industrial relations and to provide advice on the technical aspects of labor and industrial relations to labor, to industry, and to the public. This program will be carried out through the conducting of research and special surveys which may be of use to labor and industry in southern Illinois, through the use of various specialists in the several departments of the University providing courses of instruction for students entering industry and labor, and through the establishing of appropriate special courses for personnel of industrial concerns and for the membership of various labor groups within the area.

Inquiries about the institute's program should be addressed to the Director, Labor Institute, Southern Illinois University, Carbondale, Illinois.

LATIN AMERICAN INSTITUTE

In order to provide a special program of study for the student interested in Latin America, Southern Illinois University offers an undergraduate major in Latin American studies leading to the Bachelor of Arts degree.

This course of studies is designed to meet the need for increasing concern with Latin America and the growing interest in the field. It is planned to provide students with a wide general background in the history, geography, economics, languages, and literature of Hispanic America. Special emphasis is placed upon achievement of sufficient knowledge of, and skill in, the use of the Spanish language to make it an effective means of communication. This level of linguistic skill is essential to open the doors of cultural understanding and appreciation of Latin America to non-Spanish-speaking students. Equal proficiency in Portuguese for those who wish to specialize in Brazilian studies will be sought in due course.

The inter-American studies major is planned (1) to prepare students to participate intelligently and effectively in business or government activities in Latin America or dealing with Latin America and (2) to enable students to choose a field of specialization for advanced academic work.

The institute co-ordinates the activities of the Inter-American Studies Program. Departments now offering course work in this area are Anthropology, Economics, Foreign Languages, Geography, Government, and History.

Inquiries about the institute's program should be addressed to the Director, Latin American Institute, Southern Illinois University, Carbondale, Illinois.

REHABILITATION INSTITUTE

The objectives of the Rehabilitation Institute are (1) to co-ordinate and augment training of college students and field workers interested in counseling with or arranging services for the handicapped, (2) to facilitate and develop within these professional workers responsible standards of professional conduct and ethics, (3) to conduct (and encourage other departments and individuals to engage in) basic and applied research to both general counseling and the broad area of rehabilitation, (4) to provide counseling and consultative services to both community agencies and handicapped individuals, (5) to establish liaison with community agencies and individuals for mutual facilitation and harmonious interaction, and (6) to solicit and help organize public support and responsibility for the rehabilitation of handicapped individuals.

The institute's instructional program is divided into five general areas. The rehabilitation counselor training program consists of a minimum of seventy-two hours (two years) of graduate study leading to the master's degree in rehabilitation counseling. A limited number of traineeships are provided through a grant from the federal Office of Vocational Rehabilitation. For students who are not interested in professional competency in the areas of counseling and testing, a forty-eight hour (one year) graduate program leading to a Master of Science degree in rehabilitation administration is available. The institute also conducts a six-week training course for professional workers with the blind. This federally sponsored course, offered three times a year, instructs workers in the methods of developing employment opportunities for the blind in competitive occupations. Since 1953, a two-week short course in the *Process of Rehabilitation* has been held for rehabilitation personnel. Five state and five private welfare agencies join with the Rehabilitation Institute in sponsoring this course. The institute holds a number of in-service and community education programs throughout the year. These functions are carried out through a program of instruction which co-ordinates the efforts of departments within the University in the developing of rehabilitation counseling curricula, through consultant services to community agencies in the general area of rehabilitation, and through theoretical and practical research bearing on the methods and techniques of rehabilitating the handicapped.

Inquiries about the institute's program should be addressed to the Director, Rehabilitation Institute, Southern Illinois University, Carbondale, Illinois.

SMALL BUSINESS INSTITUTE

The primary objective of the Small Business Institute is to develop executives for small businesses, rather than to create specialists in a single field such as accounting, finance, sales, etc. Management of a smaller business requires more all-around "know-how." While concepts taught are those of modern big business, the applications are directed to small business operations.

Many of the institute's students are training to enter enterprises owned by their parents or relatives; others are planning to start businesses of their own; some prefer to work for small companies. Students are required to designate the kind of business they plan to enter; e.g., a department store, a truck line, a resort, etc., preferably by the end of their sophomore year. This early decision allows adequate time for course selection and work programming.

Graduates from this four-year program receive a Bachelor of Science

degree with a major in small business management. Inquiries concerning the institute's program should be addressed to the Director, Small Business Institute, Southern Illinois University, Carbondale, Illinois.

CENTER FOR THE STUDY OF DELINQUENCY, CRIME, AND CORRECTIONS

This center, which has associates on both major campuses, has these principal purposes: (1) training college students and others interested in careers in the various phases of corrections and crime control, (2) providing facilities for regional and national conferences and institutes for those engaged in the processes of the administration of criminal justice, (3) conducting pertinent theoretical and applied research in the fields of delinquency, crime, and corrections, and (4) providing expert services of an advisory nature for those agencies needing and requesting relevant assistance.

The center's formal instructional program is integrated with that of several departments and divisions of the University to such an extent that the degrees offered are in the name of specific departments. In addition, the center offers specialized workshops and in-service educational programs.

Inquiries about the center's functions and programs should be addressed to the Director, Center for the Study of Delinquency, Crime, and Corrections, Southern Illinois University, Carbondale, Illinois.

AIR FORCE RESERVE OFFICERS TRAINING CORPS

The Air Force Reserve Officers Training Corps detachment at Southern Illinois University is a (senior division) ROTC unit administered by commissioned officers of the United States Air Force. Details concerning this program begin on page 123 of this bulletin.

EDWARDSVILLE UNITS

A four-year program of undergraduate instruction is offered on the Alton and East St. Louis campuses. The administrative offices for the Alton and East St. Louis campuses are located at Edwardsville; henceforth in this bulletin the phrase *Edwardsville campuses* will be used for referring to the educational programs in Madison and St. Clair counties.

In certain fields of education, the graduate student can now obtain three-fourths of his study for the master's degree on the Edwardsville

campuses, completing the degree on the Carbondale campus. The Edwardsville campuses also offer courses leading to associate degrees and certificate programs in secretarial and business studies designed especially for evening students. Other special courses and much of the regular college program are scheduled in the late afternoon, in the evening, and on Saturday.

The academic organization of the Edwardsville campuses comprises six divisions of instruction with a number of major programs in each division.

Courses offered are in most cases the same as those offered on the Carbondale campus.

BUSINESS DIVISION

*Accounting; Economics; Management; Marketing;
Secretarial and Business Education*

The Business Division seeks to prepare the student for successful performance in the business world. Opportunity is provided for the student to gain a knowledge of the operational phases of business and a familiarity with the sources of information and methods of collecting and interpreting data. The programs seek to develop in the student an understanding of, and a skill in, the art of human relations and a high sense of integrity and responsibility.

Inquiries requesting additional information concerning the educational programs of the Business Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

EDUCATION DIVISION

*Administration and Supervision; Elementary Education; Guidance;
Health and Physical Education; Industrial Education; Instructional
Materials; Psychology; Secondary Education; Special
Education; Student Teaching*

The Education Division prepares teachers for all grades from kindergarten through high school and provides basic training in the fields of psychology and guidance. The division is committed to giving professional training to teachers, supervisors, administrators, and specialists. In its current offerings it broadens its efforts to include provisional work in several specialties in school administration and supervision. For most undergraduate students preparing to teach in high school, the subject matter majors

will be taken in other divisions, and the provisional preparation for teaching, including student teaching, will be taken in the Education Division.

Inquiries requesting additional information concerning the educational programs of the Education Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

FINE ARTS DIVISION

Art; Music; Speech and Theater

The Fine Arts Division serves as an instrument of the University for the stimulation of creative and professional work in art, music, speech, and drama. Students are provided every opportunity to develop artistic talents. The division provides service courses and activities for all students who want experience in the fine arts fields either for a general cultural background or for practical reasons.

Inquiries requesting additional information concerning the educational programs of the Humanities Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

HUMANITIES DIVISION

English; Foreign Languages; Journalism; Philosophy

The Humanities Division provides instruction in the intellectual disciplines of English and other languages, of literature, and of ideas. The division is concerned with instruction in the reading, writing, and speaking of English and other languages, the development of an understanding and appreciation of literature, and the concomitant recognition of its civilizing values. The division guides advanced students in methods of studying the works, men, and movements that make up literary and intellectual history. All students are encouraged to think and to write rationally, imaginatively, and responsibly as they learn to identify persistent human problems and their classic and current solutions.

Inquiries requesting additional information concerning the educational programs of the Humanities Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

SCIENCE AND TECHNOLOGY DIVISION

Applied Science and Pre-Engineering; Botany; Chemistry; Mathematics; Physics and Astronomy; Zoology and Physiology

The Science and Technology Division contributes to the general education of all students by offering basic courses in mathematics and the physical and life sciences. The division provides a basic program in applied science and pre-engineering. For more advanced students the division seeks to develop an understanding of methods and disciplines that will help equip the student to make a living in areas embracing nature, technology, and industrial processes.

The Science and Technology Division offers curricula leading to the Bachelor of Arts degree and the Bachelor of Science in Education degree.

Inquiries requesting additional information concerning the educational programs of the Science and Technology Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

SOCIAL SCIENCES DIVISION

Geography; Government; History; Sociology and Anthropology

The Social Sciences Division offers courses designed to enable the student to achieve an understanding and appreciation of civilization viewed in historical perspective, and thereby equip him for participation in the duties and responsibilities of citizenship. His studies give him insights and understandings which enable him to live more constructively with others in his family, community, and nation and provide him with a better understanding of social organizations, technologies, and the nature and variety of spiritual beliefs.

Inquiries requesting additional information concerning the educational programs of the Social Sciences Division should be directed to the Registrar's Office, Southern Illinois University, Edwardsville, Illinois.

PREPROFESSIONAL PROGRAMS

The Edwardsville campuses offer preprofessional programs for students training for careers in the following: engineering, medicine, dentistry, veterinary science, pharmacy, occupational therapy, and law. These programs are administered through the appropriate divisions.

Students working toward the Bachelor of Science in Agriculture degree may attend the Edwardsville campuses their freshman year and transfer to the Carbondale campus for the completion of the degree. In preparing for one of the agricultural professions, the student should follow closely the appropriate curriculum as suggested in the School of Agriculture bulletin.

Students working toward a Bachelor of Science degree in home economics may attend the Edwardsville campuses their freshman and sopho-

more years and transfer to the Carbondale campus for the completion of the degree. In preparing for this degree, the student should follow closely the appropriate curriculum in the School of Home Economics bulletin.

Admission

THE STUDENT, to be permitted to attend classes at Southern Illinois University, must have completed registration, which includes admission, advisement, sectioning, and payment of fees.

Inquiries concerning admission to Southern Illinois University should be directed to the Admissions Office at Carbondale or to the Registrar's Office at Edwardsville. Applications for admission are accepted any time during the calendar year. Applications should be initiated at least thirty days in advance of the desired entrance date to permit the necessary work of processing to be completed.

Admission to Southern Illinois University constitutes admission to a particular college or instructional unit except in the case of a person who is admitted as an unclassified student. A student may also indicate the particular major field in which he is interested.

ADMISSION OF FRESHMAN STUDENTS

To be eligible for admission, a person must be either a graduate of a recognized high school, at least twenty-one years of age or a military veteran. A person who is at least twenty-one years of age but not a high school graduate is required to pass the General Educational Development Test. A military veteran who is neither a graduate of a recognized high school nor twenty-one years of age may qualify for admission by passing the G.E.D. Test.

A high school senior who ranks in the upper two-thirds of his graduating class will be admitted at the close of his seventh semester, subject to the completion of his high school work, and to maintaining his rank in the upper two-thirds of his class.

A student who has been graduated from an approved secondary school, and who ranks in the lowest third of his graduating class, will be permitted

to enter (on scholastic probation) for the summer, winter, or spring quarters only. Exception to this rule may be made for a student desiring to enter in the fall if he shows high scores on the university entrance examinations.

The above policy will apply to both in-state and out-of-state students, except that for out-of-state students all those in the lower *half* of their graduating class will be covered by the rule. This policy becomes effective with the 1961 fall quarter.

ADMISSION OF TRANSFER STUDENTS

To be considered for admission to advanced standing, a student must present a full record of his previous academic work. This record includes evidence of graduation from high school and transcripts and evidence of good standing from every college and university attended.

Admission by transfer does not necessarily mean that all credits presented for transfer will be accepted. Transferable credits are determined through evaluation at the time of presentation. In all cases, at least three-fourths of transferable credits from each institution must be "C" quality or above.

A transfer student admitted as an unclassified student will receive no transfer credit toward a degree so long as he remains in an unclassified status.

A transfer student is subject to this University's scholarship rules. A transfer student who is not in good scholastic standing under our scholarship rules can enter (on scholastic probation) the summer, winter, or spring quarters only, subject to the approval of the appropriate academic dean.

A transfer student suspended for poor scholarship or on academic probation at the last institution attended who would have been suspended under Southern's scholarship rules is not eligible for admission to Southern until at least one quarter has elapsed from the date of suspension. A transfer student dropped for any reason other than academic failure must be cleared by the Office of Student Affairs before admission will be granted.

A transfer student must take the Guidance Test Battery or submit to the Testing Service the results of such tests taken at another institution.

ADMISSION OF FOREIGN STUDENTS

Each foreign student must submit, in addition to the regular admission papers, a questionnaire for foreign students showing all previous schooling. The foreign student must also submit an official statement showing sufficient proficiency in English to do successful college work. Such

a student who becomes eligible for admission to the University and has been notified that he is eligible must deposit with the University a sum of either \$400 (Carbondale) or \$900 (Edwardsville). This is deposited to the student's account and will assure him of a reserve for necessary expenses after he arrives on the campus. The University does not assume responsibility for a student who arrives with inadequate resources.

ADMISSION OF FORMER STUDENTS

A former student of Southern not in attendance on the campus at the close of the quarter preceding application for admission must apply to the Admissions Office for re-entrance prior to registration.

A former student who is not in good standing must clear his status before the Admissions Office will prepare his registration permit. It is advisable for such a student to initiate re-entrance clearance early so that all inquiries may be answered and so that the applicant can find time to complete any requirements that may be imposed upon him.

ADMISSION OF UNCLASSIFIED STUDENTS

A person, not working toward a degree at Southern or elsewhere, who wishes to register for particular courses offered in any of the departments and divisions of the University without undertaking all of the regular plans of study may be admitted as an unclassified student. Such a student must present satisfactory evidence that he is prepared to take advantageously the work required.

Application for admission as an unclassified student should be made at the Registrar's Office. Such a student must sign a statement indicating that he is not a degree student and that credit received cannot be applied toward a degree at this University while he is enrolled as an unclassified student.

A person desiring to register for only one or two courses may do so in the Admissions Office. A person desiring to take more than this is referred to the regular academic adviser for unclassified students. A person who has already received a bachelor's degree and wishes to register as an unclassified student is referred to the Graduate School.

ADMISSION OF GRADUATE STUDENTS

Qualified students may apply for admission to the Graduate School any time during the calendar year. Application forms may be obtained from the Admissions Office on either campus. Additional information appears in the Graduate School bulletin.

Advisement and Registration

Carbondale Campuses

After a student has been admitted to the University he should talk with an adviser about his educational plans and complete his registration for the quarter he expects to enter Southern.

To insure that an undergraduate student is properly advised concerning the choice of a course of study which will fulfill the requirements of the University and prepare him for his chosen career, academic advisement has been made the special responsibility of a selected group from the teaching faculty. Each college and school of the University has a chief academic adviser and a number of assistant advisers. In addition, a corps of general advisers for the first two years will soon be organized.

On the Carbondale campus, a program of advance registration has been in operation for a number of years. The period of time from the third through the tenth week of each regular quarter and from the third through the seventh week of the summer session is used for advisement and registration for the following quarter. For example, a student who plans to attend during the winter quarter may register between the third and the tenth week, inclusive, of the fall quarter. A new student may also register on the opening day of each quarter. All students are urged to take advantage of the advance registration period.

More detailed information about the dates for advisement and registration may be obtained from the annual Schedule of Classes, a copy of which may be obtained from General Publications.

A new student must obtain an appointment for advisement and registration during any of the advance registration periods. The steps in this procedure are given below:

1. A new student should have official notification that he has been admitted to the University.

2. He should write for an appointment to register. An undergraduate student (except one who plans to enroll in the Vocational-Technical Institute) should write to the Academic Advisement Center, Southern Illinois University, Carbondale, Illinois. Included in the letter should be the date and time the student plans on coming to the campus, the academic unit in which he plans to enroll, and the name of his major subject. A student who plans to enroll in the Vocational-Technical Institute should write to the Director, Vocational-Technical Institute, Southern Illinois University, Carbondale, Illinois.

3. A graduate student should write to the Graduate School Office for an appointment.

Registration for any session of the University is contingent upon being eligible for registration. Thus, a registration including the payment of tuition and fees may be considered invalid if the student is declared to be ineligible to register due to scholastic reasons. The same situation may exist due to financial or disciplinary reasons if certified to the registrar by the director of the Office of Student Affairs.

Edwardsville Campuses

To insure that an undergraduate student is properly advised on a course of study which will both broaden his experience and prepare him for his chosen career, the University has made academic advisement a major concern of a chief academic adviser (at each center) and his staff and of the division heads and their staffs. Advisement for graduate students has been made the responsibility of the assistant to the dean for graduate studies. General advisers for the first two years will also be named soon.

Advisement sessions for the new freshmen are held as part of new student week each fall quarter. New transfer students should plan to meet with the adviser in their major fields prior to their initial registration; appointments can be initiated by calling the Academic Advisement Center. Several weeks before their initial registration, new graduate students should make appointments for advisement at the graduate office.

To plan his program for the succeeding quarter each student should, late every quarter, have a short conference with his major adviser. Those students not assigned to major advisers will be advised in the Academic Advisement Center.

WITHDRAWAL FROM THE UNIVERSITY

A prescribed procedure must be followed by any student desiring to withdraw from the University while the period for which he is registered is still in progress.

A student is considered officially registered after he has cleared his payment of fees at the Business Office. If a student then finds he cannot attend college or, if after attending for a period of time, he finds he cannot continue, he must report to the Office of Student Affairs to indicate official withdrawal action. *Failure to follow the official withdrawal procedure will result in academic penalty.* Withdrawal during the last two weeks of a session is allowed only under exceptional conditions.

PROGRAM CHANGES

A student is officially registered only for those courses appearing on his registration cards. Any change therefrom can be made only after fees are paid and must be made through an official program change. A student is considered officially registered after he has cleared his payment of fees at the Business Office.

A prescribed procedure must be followed by any student desiring to change his academic program while the period for which he is registered is still in progress. Failure to follow the prescribed procedure will result in academic penalty.

Mere attendance does not constitute registration in a class, nor will attendance in a class for which a student is not registered be a basis for asking that a program change be approved permitting registration in that class.

A program change must be made in order to drop or add a course. A student may not drop a course merely by stopping attendance. If a student desires to drop a course during the second, third, or fourth week of a quarter, the change will be approved only when the reasons appear valid. If a student desires to drop a course after the fourth week, the change will be approved only under unusual conditions. In the last three weeks of a quarter, changes will be approved only in extreme emergencies.

A program change day is listed in the registration calendar during the first week of each quarter.

The same rules will govern program changes in the eight-week summer session, except that after the third week approval will be given changes only in case of unusual conditions.

PROCEDURE FOR A PROGRAM CHANGE

A student processing a program change must complete the following procedure. No change is official until this procedure is complete.

1. The student must initiate approval for the change with his adviser.
2. The student must take the approved program change form to the Registrar's Office within twenty-four hours after approval by the adviser.
3. After having been cleared with the Registrar's Office, any program

change for which a fee is assessed must be presented to the Business Office for payment.

4. The student immediately returns the program change to the Enrollment Center in the Registrar's Office for final processing. No program change is complete until presented to the Enrollment Center.

CHANGE OF ACADEMIC MAJOR

A student desiring to change his major should do so at the time he next registers after having made his decision. A change of major within an academic unit is made with the student's academic adviser.

SCHOLASTIC PROBATION

In order to warn students when they are not meeting the graduation requirements of a "C" average, they are placed on scholastic probation.

A freshman or sophomore goes on scholastic probation at the end of the quarter in which his over-all grade points fall below the "C" average by more than fifteen points. He is restored to good standing when his over-all grade points rise again to within fifteen points of a "C" average. A freshman or sophomore on scholastic probation who does not make a "C" average for a given quarter will be dropped from his academic unit. At that time he will be referred to the Office of Student Affairs for counsel concerning future academic possibilities.

A junior or senior goes on scholastic probation at the end of any quarter in which his over-all average falls below "C." He is returned to good standing when his over-all average is again a "C" or better. A junior or senior on scholastic probation who does not make a "C" average for a given quarter will be dropped from his academic unit. At that time he will be referred to the Office of Student Affairs for counsel concerning future academic possibilities.

A student on scholastic probation who makes a "C" average or better for a given term is permitted to re-register for the next term without special permission. A student who has been dropped on the basis of the University's scholastic probation rules and who desires to be readmitted must initiate action through the Admissions Office.

In order to participate in extracurricular activities, any student on scholastic probation must submit a petition for consideration by a special committee. This request is to be filed with the co-ordinator of student activities, Office of Student Affairs.

A transfer student should note that the rules governing scholastic probation apply to his record made at Southern as well as to his over-all record. For example, a junior student who transferred in good standing

will be placed on probation if he fails to maintain a "C" average for his work at Southern Illinois University or if he fails to maintain a "C" average for his total work.

ACADEMIC LOAD

The normal class load for a student is sixteen hours, with a maximum of eighteen hours. For the eight-week summer session, the normal load is twelve hours.

A student with a 4.25 average or above for the preceding quarter may be allowed by the head of his academic unit to take as many as twenty-one hours. In no case may a student carry, or be credited with, more than twenty-one hours in any quarter. In the eight-week summer session, a load above twelve hours requires a 4.25 average and the approval of the head of the academic unit. In no case may a student carry, or be credited with, more than fourteen hours during a summer session.

A student on probation may not take more than fourteen hours. In the summer session, a student on probation may not take more than ten hours.

To be a full-time student one must carry twelve or more hours per quarter during the regular academic year and eight or more hours during the summer session. A part-time student carries fewer than twelve hours per quarter during the regular academic year and fewer than eight hours during the summer session.

A person may not register for more than eight quarter hours if he is employed full-time.

Students deferred under the classification I-S (C) or II-S must complete satisfactorily at least forty-eight hours (forty-five hours for freshmen) during three successive quarters. (Summer sessions are not considered regular quarters.)

Veterans enrolled under Public Law 550 are subject to the following regulations regarding the academic load required for proportional subsistence for a regular quarter or a summer session:

Type of Enrollment	Number of Hours Required			
	UNDERGRADUATE		GRADUATE	
	QUARTER	SUMMER	QUARTER	SUMMER
Full-time enrollment	14	10	10	7
$\frac{3}{4}$ -time enrollment	10-13	7-9	8-9	6
$\frac{1}{2}$ -time enrollment	7-9	5-6	5-7	4-5
Less than $\frac{1}{2}$ -time enrollment	6 or less	4 or less	4 or less	3 or less

To be eligible for benefits, the veteran must be enrolled as a regular classified student making satisfactory progress in a degree program.

UNIT OF CREDIT

One quarter hour of credit represents the work done by a student in a lecture course attended one hour per week for one regular quarter, and, in case of laboratory and activity courses, the stated additional time. One quarter hour of credit is equivalent to two-thirds of a semester hour. Unless otherwise specified, one hour of credit means one quarter hour.

CLASS STANDING

An undergraduate student is classified as a freshman, sophomore, junior, or senior, depending upon the number of hours he has successfully completed toward the degree. A freshman is a student who has completed fewer than 48 hours; a sophomore, from 48 through 95; a junior, from 96 through 143; and a senior, 144 or more.

A student who has completed one bachelor's degree and is seeking a second bachelor's degree is registered as a senior in the academic unit in which he is seeking the second degree. An undergraduate student not registered in one of the academic units is registered as an unclassified student. Such a student must sign a statement indicating that he is not a degree student and that the credit received while he is enrolled as an unclassified student cannot be applied toward a degree at this University.

A registrant in the Graduate School is classified as a graduate student. A regular graduate student is one who is working toward an advanced degree from this University. A graduate student wishing to take graduate or undergraduate courses without their being counted toward a degree at this University is registered as an unclassified graduate student.

GRADING SYSTEM

Grades are expressed in letters as follows:

	(Per quarter hour)
A, Excellent	5 grade points
B, Good	4 grade points
C, Satisfactory (this is intended to be the average grade)	3 grade points
D, Poor, but passing	2 grade points
E, Failure; all work completed including final examination, but failed	1 grade point
W, Course not completed; includes incomplete records of all kinds (except "deferred" for graduate students)	0-5 grade points

The number of weeks the student has attended is indicated by a numeral; if he attended more than four weeks, this is to be fol-

lowed by the grade he was making at the time of withdrawal.
For example: W^sB.

DEF or DF, Deferred grade; work not complete. Given only for graduate students engaged in individual type work such as research, readings, thesis.

AU, Course taken on audit basis. No grade or credit hours earned.

CR, Credit. No letter grade assigned.

A grade given at the end of a course is final and may not be raised by additional work.

Any student who withdraws from a class without following the prescribed procedure will receive a grade of "WE" in the course regardless of when the withdrawal occurs. A withdrawal from a course is initiated with the student's academic adviser.

Courses from which the student has withdrawn after the first four weeks will be recorded as "W" and must carry a grade. Withdrawals after the first three weeks of an eight-week summer session or after the first six weeks of a sixteen-week extension course must carry grades. Exceptions to this rule may be permitted for unusual circumstances, but only through written approval of the student's academic dean.

Any change of grade, as upon the completion of a "W," must be reported within a year after the close of the quarter in which the course was taken. A fee of one dollar is charged for the completion of a course marked "W," unless the fee is waived on recommendation of the University Physician. A student who for some reason must miss the final examination may not take an examination before the one scheduled for the class. In this case, "W," along with the grade earned at the time, is recorded by the instructor. The final examination may be taken at a later date, within one year. A complete record of all changes in grades will appear on the official transcript.

A student may register for courses in an "audit" status. He receives no letter grade and no credit for such courses. An auditor's registration card must be marked accordingly. He pays the same fees as though he were registering for credit. He is expected to attend regularly and is to determine from the instructor the amount of work expected of him. If an auditing student does not attend regularly, the instructor may determine that the student should not have the audited course placed on his record card maintained in the Registrar's Office. A student registering for a course for credit may not later change to an audit status or vice versa except for fully justified reasons. Such a change will ordinarily require the student's academic dean's approval.

The official record of a student's academic work is maintained in the Registrar's Office.

COURSE NUMBERS

The course numbering system is as follows:

000-099	for courses not properly falling within the following levels
100-199	for freshmen
200-299	for sophomores
300-399	for juniors and seniors
400-499	for seniors and graduates
500 and above	for graduate students only

Ordinarily, students are not permitted to take courses above their classification; that is, a freshman should register for freshman courses, and only in rare instances for sophomore courses.

HONORS DAY

In recognition of high scholarship, an Honors Day convocation is held each spring. A candidate for the bachelor's degree in June or August who has maintained a grade-point average of 4.25 or more for all of his work through the winter quarter of his senior year receives an honor pin. A transfer student must have entered Southern Illinois University by the beginning of the junior year and have maintained the 4.25 average in order to qualify. Each junior having a 4.25 grade-point average and each sophomore and freshman having a 4.50 grade-point average is also honored at the convocation but does not receive a pin. To be eligible, a student must be attending full time.

For Honors Day purposes a senior is a student who will be graduated in June or August; a junior must have more than 121 hours at the end of the preceding winter quarter but will not be graduated during the year; a sophomore must have 48 to 120 hours at the end of the preceding winter quarter; a freshman must have 32 to 47 hours at the end of the preceding winter quarter.

Graduating seniors are also recognized at commencement on the graduation program, and their diplomas designate honors granted on the following basis:

Highest Honors	Point average of 4.90 or higher
High Honors	Point average of 4.75-4.89
Honors	Point average of 4.50-4.74

MILITARY EXPERIENCE

Southern Illinois University follows the policies recommended by the

American Council on Education regarding credit for military experience and for experience in civilian activities related to the war, as set forth in the *Guide to the Evaluation of Educational Experiences in the Armed Forces*. No credit is allowed for College Level G.E.D. Tests. Credit will be accepted for USAFI courses within the limitations imposed for extension and correspondence work.

Veterans who served one year or more of active duty and who received an honorable discharge may receive up to fifteen hours of credit at Carbondale or up to six hours at Edwardsville for such service. This credit will substitute for the physical education, air science, and health education requirements for the Bachelor's Degree. Veterans who served six months to one year of active duty and were honorably discharged may receive three hours of freshman air science credit. Less than six months of active service does not allow any college credit.

In the event that a veteran has already taken some of this work in college prior to entrance into service, the amount of credit received for military service will be reduced correspondingly. In order to receive credit for military service a veteran must present a copy of his discharge or separation papers to the Admissions Office.

EXTENSION AND CORRESPONDENCE

A maximum of one-half of the number of hours required for the bachelor's degree, or ninety-six hours, may be taken by extension and correspondence courses combined. Of this total, not more than forty-eight hours may be taken in correspondence courses.

While Southern Illinois University does not maintain a correspondence division, courses taken by correspondence from institutions which are members of the Association of American Universities are regularly accepted if the grade earned is "C" or above.

FEES AND OTHER EXPENSES

The fees charged students are established by the Board of Trustees and are subject to change whenever conditions make changes necessary. At the present time, the fees charged for a quarter during the regular year are as follows:

Tuition\$42.00*

* Out-of-state students (non-Illinois residents) pay \$92.00 tuition rather than \$42.00. For regulations defining the residence of students for purposes of registration, see the appendix.

Student Activity Fee	9.50
Student Union Building Fund Fee	5.00
Book Rental Fee	5.00
Total	<u>\$61.50</u>

In addition to the above fees, a student is subject to certain other charges under the conditions listed below:

1. An AF ROTC equipment deposit of \$5.00 which is assessed the first time a student registers for a regular quarter if he is taking ROTC courses. This \$5.00, less any charge for lost equipment, is refunded to him at the end of the year. (Carbondale campus only.)

2. A late registration fee, which is \$2.00 for the first day and which increases \$1.00 each day to a maximum of \$5.00 when a student registers after the regular registration period has ended.

3. A \$1.00 charge for the completing of an incomplete course.

4. A \$2.00 program change charge whenever a student changes his program from the one for which he originally registered, unless the change is made for the convenience of the University.

5. A graduation fee of \$17.00.

6. A graduate student who is a graduate of a school other than Southern pays a matriculation fee of \$5.00.

Students holding valid state scholarships are exempt from the above fees to the extent provided by the terms of the specific scholarship held. An Illinois State Teacher Education Scholarship, an Illinois Military Scholarship, and an Illinois General Assembly Scholarship exempts the student from the paying of tuition, the student activity fee, and the graduation fee.

The student activity fee includes the fees for limited hospitalization, entertainment, athletics, student publications, and such other privileges as may be provided.

A part-time resident student taking not more than eight hours during a regular session pays half tuition and half the book rental fee. In addition, such a student pays the total student union building fund fee and has an option on paying the student activity fee.

Faculty members and university civil service employees taking courses are not charged tuition and activity fees. They pay, however, the book rental fee, which is \$5.00 for those taking more than eight hours and \$2.50 for others. They also pay the student union building fund fee.

Extension course fees are \$6.00 per hour plus a \$1.05 book rental fee per course.

Adult education course fees are computed on the basis of approximately \$0.60 per contact hour.

Other charges which a student may incur are those for departmental

field trips, library fines, and excess breakage. Also, a student taking a course involving use of materials, as distinct from equipment, will ordinarily pay for such materials.

A student registering for work on an audit basis is assessed fees on the same basis as when registering on a credit basis.

A student is entitled to a free transcript of his university record each time he has added academically to his record through work taken at this University, provided he has fulfilled all his financial obligations to the University. There is a charge of \$1.00 for each additional transcript.

PAYMENT AND REFUNDING OF FEES

Fees are payable quarterly during the academic year. On the Carbondale campus a student who registers in advance receives a fee statement by mail and may pay either by mail or in person at the Bursar's Office in accordance with instructions accompanying the fee statement. A student who does not register in advance or who registers during the last week of the advance registration period must pay fees at the time of registration.

On the Edwardsville campuses, fees are payable at the time of registration.

Refunding of fees is possible only if a student has withdrawn from school, officially, within the first ten days of a quarter and only if the application for a refund is received in the Registrar's Office within ten school days following the last regular registration day. This means that for quarters starting on a Monday the withdrawal from school must have been officially made within the first two calendar weeks of the quarter and the refund application received by Monday of the third week. No refunding of fees is made for a withdrawal occurring after the first two weeks.

A student who originally pays full fees and then finds that he must reduce his program to eight or fewer hours may receive a refund of one-half the tuition and book rental fee, provided the reduction is officially made during the first ten days of the quarter. Refund payment will be delayed in such case until after the fourth week of the quarter.

ESTIMATED EXPENSES FOR THREE QUARTERS

Carbondale Campuses

Tuition and Fees	\$184.50
Room Rent	\$175.00
Room rent is computed at the average rate of \$4.00 to \$5.50 per week for 36 weeks.	

(Continued on next page)

ESTIMATED EXPENSES FOR THREE QUARTERS (Continued)

Food	\$575.00
Food is estimated at \$2.25 per day for 252 days.	
Miscellaneous	\$175.00
This item includes school supplies, dates, etc. It is estimated by students as ranging from \$3.50 to \$5.50 per week.	
Total Estimated Yearly Average Expenses	\$1109.50

Edwardsville Campuses

Since there are no housing facilities on the Edwardsville campuses, the majority of the students are daily commuters. The estimated expenses, therefore, would be tuition and fees (\$184.50) plus transportation costs.

Degrees

SOUTHERN ILLINOIS UNIVERSITY grants the following degrees in June and August each year:

Associate in Art	Bachelor of Music Education
Associate in Business	Master of Arts
Associate in Technology	Master of Fine Arts
Bachelor of Arts	Master of Music
Bachelor of Science	Master of Music Education
Bachelor of Science in Agriculture	Master of Science
Bachelor of Science in Education	Master of Science in Education
Bachelor of Music	Doctor of Philosophy

ASSOCIATE DEGREE

Each candidate for an associate degree must complete a minimum of 96 hours of credit in approved courses. Each student must maintain a "C" average. The degree granting unit for the associate degree is the Division of Technical and Adult Education. For additional information concerning this degree the student should refer to the Division of Technical and Adult Education bulletin.

BACHELOR'S DEGREE

Although the following requirements should be met by degree candidates of all colleges and divisions, it should be noted that the general degree requirements of the University have been undergoing intensive study with a view to giving the students of the University further options and providing them with a more effective background not only for their

professional careers but also for their standing as citizens in the communities to which they go after graduation. At such time as these new requirements can be published, all students will be notified and the transition from the old system of requirements to the new will be handled with as little inconvenience as possible to all concerned.

Each candidate for the degree must complete a minimum of 192 hours of credit in approved courses. At least 64 must be in senior college courses. Each student must have a "C" average, and grades not lower than "C" in subjects aggregating at least three-fourths of the work. A "C" average is required in the major subject. These averages are required for the credit made at Southern as well as for the total record. To receive a bachelor's degree from Southern, a transfer student must present either a total of three years work (144 hours) earned at Southern or 48 senior college hours earned at Southern, 16 of which may be earned in extension.

Every degree candidate is expected to follow the basic program outlined below, plus the advanced work recommended by the academic unit in which he expects to do his major work. The requirement that every freshman must attend weekly freshman convocations should also be noted. If the student intends to take his degree elsewhere, the adviser may recommend changes in these requirements in favor of those of the institution from which the student plans to be graduated. If the student changes his mind and decides to take his degree at Southern, no requirements can be waived.

The following requirements should be met by all bachelor's degree candidates within the first two years of attendance except those students working toward their Bachelor of Music Education and the Bachelor of Music degrees.

SUMMARY OF REQUIREMENTS

REQUIREMENT	HOURS	COURSES
Social Studies	20	Economics 205, Geography 100, 300, Government 101, 190, 300, History 101, 102, 103, 201, 202, Sociology 101 (work in four of the five departments)
Humanities	18	
English	(9)	English 101, 102, 103
English	(6)	English 205, 206, 209, 211, 212
Art or Music	(3)	Art 120, Music 100
Biological Sciences	9	
Health Education	(4)	Health Education 100
Botany or Zoology	(5)	Botany 101, 102, 202, Zoology 100

Mathematics and Physical Sciences	12	Chemistry, physics, and mathematics (work must be completed in two departments)
Practical Arts and Crafts	3	Agriculture, business administration, home economics, industrial education (not required if the student has had any of this work in high school)
Physical Education	6	Activity courses (Carbondale campus)
	3	Activity courses (Edwardsville campuses)
Air Science	3	(This applies only to men at Carbondale)
Total	71	(Carbondale campus, men)
	68	(Carbondale campus, women)
	65	(Edwardsville campuses)

Bachelor of Music Education degree candidates must meet all of the above requirements except the taking of Art 120 or Music 100.

Bachelor of Music degree candidates should meet the following general degree requirements within the first two years of attendance.

REQUIREMENTS	HOURS	COURSES
Social Studies	15	Economics 205, Geography 100, 300, Gov- ernment 101, 190, 300, History 101, 102, 103, 201, 202, Sociology 101 (work in four of the five departments)
Humanities	18	
English	(9)	English 101, 102, 103
Foreign Language	(9)	One year of a foreign language
Biological Sciences	4	Health Education 100
Physical Sciences	4	Physics 101
Physical Education	6	Activity courses (Carbondale campus)
	3	Activity courses (Edwardsville campuses)
Air Science	3	(This applies only to men at Carbondale)
Total	50	(Carbondale campus, men)
	47	(Carbondale campus, women)
	44	(Edwardsville campuses)

A student who receives his first bachelor's degree from Southern, and who desires a second bachelor's degree, must complete forty-five hours in addition to those required for the first degree and must fulfill the requirements for the second degree. Of these forty-five hours, a minimum of fifteen hours must be taken in residence at Southern, and a maximum of fifteen hours may be acquired in extension and/or correspondence courses.

At least thirty hours must be in senior college courses. If a student received his first bachelor's degree from another university, forty-eight hours are required to fulfill the residence requirement for the second bachelor's degree, two-thirds of which must be in senior college courses.

In some cases, more advanced work may be substituted for the required courses listed. A student who transfers in his junior or senior year may substitute senior college courses in some departments for the freshman-sophomore courses listed above.

The physical education requirement can be waived only by the Graduation Appeals Committee upon the recommendation of the University Physician. Waiver procedure should be initiated early in a student's college course and in no case later than the end of his sophomore year. No student thirty years of age or older is subject to this requirement.

SOCIAL STUDIES

A student must have twenty hours in the social studies with work in four of the following five disciplines: economics, geography, government, history, and sociology. Students are expected to select from the courses listed below.

The state of Illinois requires that American patriotism and the principles of representative government, as enunciated in the American Declaration of Independence, the Constitution of the United States of America, and the Constitution of the State of Illinois, and the proper use and display of the American flag shall be taught in all public schools and other educational institutions which are maintained in whole or in part by public funds, and that no student shall receive a certificate of graduation without passing a satisfactory examination upon such subjects. Government 101, 190, and 300 and History 201 and 330 offer such instruction. Students preparing to teach should also check the College of Education bulletin concerning the state certification requirements.

ECONOMICS

205-5. SURVEY OF ECONOMIC PRINCIPLES.

GEOGRAPHY

100-5. **GEOGRAPHY OF MAN.** A world regional survey in which significant differences from place to place are observed and analyzed. Basic factors of population distribution. Tracing of development of man's working connections with the land and its resources.

300-4. **WORLD CULTURAL GEOGRAPHY.** World survey for students not majoring in geography. The factors of population distribution. Not open to those who have had 100.

GOVERNMENT

101-5. **PROBLEMS OF AMERICAN DEMOCRACY I.** A general survey of government including national and state constitutional principles as required by Illinois law.

190-5. **AMERICAN GOVERNMENT.** A general survey of national, state, and local governments. Includes the national and state constitutional principles as required by Illinois law.

- 300-4. AMERICAN GOVERNMENT. An advanced course to satisfy the American Government requirements of the College of Education. Deals with the structure and functions of national, state, and local government. Not open to those who have had 101 or 231.

HISTORY

- 101-3, 102-3, 103-3. SURVEY OF WORLD CIVILIZATION. Courses designed primarily for freshmen, as a survey of the development and evolution of civilization; the foundation for further courses in the field of history. One term devoted to each of the following periods: ancient, medieval, and modern.
- 201-5. HISTORY OF THE UNITED STATES TO 1865. Courses 201 and 202 designed to provide a general survey of the political, social, and economic development of the United States. Course 201 includes national and state constitutional principles as required by Illinois law. Prerequisite: sophomore standing.
- 202-5. HISTORY OF THE UNITED STATES SINCE 1865. A continuation of 201.

(Two quarters of 101, 102, 103 meet the requirement except for education students where five hours of United States history are required for graduation. History 201 or 202 will meet this requirement.)

SOCIOLOGY

- 101-5. INTRODUCTORY SOCIOLOGY. Scientific study of human society and the various means by which individuals and groups adjust to each other and to their physical and social environments.

HUMANITIES

Eighteen hours are required in the humanities. Of these eighteen hours, nine must be English 101, 102, and 103, with six additional hours selected from English 205, 206, 209, 211, and 212. The remaining three hours are to be Art 120 or Music 100. A student is also advised to complete the foreign language requirement, if any, for the bachelor's degree within the first two years.

ENGLISH

- 101-3, 102-3, 103-3. FRESHMAN COMPOSITION.
- 105-3 to 6. ENGLISH AS A FOREIGN LANGUAGE. Open to foreign students only. Maximum of three hours to be earned per quarter; graduate students receive no credit.
- 205-3. INTRODUCTION TO POETRY. Emphasis on techniques, type, and period.
- 206-3. INTRODUCTION TO DRAMA. The form, artistry, and ideas of various plays from most of the notable literary periods.
- 209-3. INTRODUCTION TO WORLD LITERATURE. A reading of masterpieces of European literature of various periods.
- 211-3. INTRODUCTION TO FICTION. An examination of the novel designed to acquaint the student with the important aspects of artistic excellence in this form.
- 212-3. INTRODUCTION TO MODERN LITERATURE. Principal forms,

ideas, and writers of the literature of America and England in the twentieth century. Especially recommended to majors in other fields than English.

ART

120-3. INTRODUCTION TO ART. Introductory course relating art to daily experience.

MUSIC

100-3. MUSIC UNDERSTANDING. Introductory course for nonmajors, with emphasis on background, purpose, and structure of representative compositions.

BIOLOGICAL SCIENCES

Nine hours are required in this area. Of these nine hours, four must be taken in Health Education 100 and the additional five in Botany 101, 102, 202, or Zoology 100.

HEALTH EDUCATION

100-4. HEALTHFUL LIVING. A survey course in personal and community health designed to meet the general health needs of college students. Presents scientific information as a basis for helping the student develop proper health attitudes and practices.

BOTANY

101-5. GENERAL BOTANY. An introductory study of the morphology, anatomy, and physiology of the seed plants, including vegetative and sexual reproduction; identification and recognition of common trees by leaf and stem characteristics. Laboratory and field studies.

102-5. GENERAL BOTANY. An introductory study of the morphology, anatomy, and physiology of the seed plants including vegetative and sexual reproduction; identification of plants will not include classification of trees. Laboratory.

202-5. GENERAL BOTANY. A study of representative plants of the great plant groups: classification; evolution of the plant kingdom. Laboratory, and one all-day (required) field trip. Cost: about \$5.00. Prerequisite: 101.

ZOOLOGY

100-5. PRINCIPLES OF ANIMAL BIOLOGY. Introduction to the major principles underlying the study of zoology. Lectures on principles of animal classification, organization of matter into cells, tissues, organs, and organ systems, heredity, ecology, animal distribution, organic evolution, economic zoology, and conservation. Laboratory work designed to illustrate the above principles.

MATHEMATICS AND PHYSICAL SCIENCES

Twelve hours are required in this area. These twelve hours are to be selected from two of the following three disciplines: chemistry, mathematics, and physics.

CHEMISTRY

- 101-4. GENERAL CHEMISTRY. A survey course for students who wish only to satisfy the general education requirements in physical science. Composition and states of matter, valence, formulas and equations, solutions and electrolytes; water, oxygen, carbon, sodium, and iron. Lecture and laboratory.
- 102-4. GENERAL CHEMISTRY. Continuation of 101, completing a survey of the more important nonmetals and metals, and of simple organic and biological chemistry. Lecture and laboratory. Prerequisite: 101.

MATHEMATICS

- 106-4. GENERAL MATHEMATICS I. A course designed particularly for students who take mathematics to satisfy a graduation requirement. Regular sections, designated in class schedule as 106a, include a careful study of the real number system in order to provide a better understanding of arithmetic and elementary algebra. Sections for business majors, designated in class schedule as 106b, cover topics from intermediate algebra with business application. Sections designated as 106c cover a regular course in intermediate algebra. Prerequisite: two semesters of high school mathematics and satisfactory score on placement test, or 100.
- 107-4. GENERAL MATHEMATICS II. Continuation of 106. Regular sections, designated in class schedule as 107a, cover certain topics from algebra and geometry. Sections for business majors, designated in class schedule as 107b, cover elementary mathematics of finance. Prerequisite: 106.

PHYSICS

- 101-4, 102-4. SURVEY COURSE IN PHYSICS. Mechanics, light, and sound covered in 101; heat and electricity in 102. For students whose chief interests are not in the physical sciences. Pre-engineers and physics majors should take 211, 212, and 213. Other science majors, including pre-medical students, should take 206, 207, and 208.

PRACTICAL ARTS AND CRAFTS

Three hours are required in this area for students who have not had any of this work in high school. Work may be taken in agriculture, business, home economics, or industrial education to meet this requirement. The number of courses from which a student might select makes it impractical to list specific courses here. A student should consult with his adviser when desiring to satisfy this requirement so as to make certain that he does not select a course which has a prerequisite he has not satisfied. Also, he might turn to the appendix of this bulletin for a listing of elective courses.

PHYSICAL EDUCATION

Six hours of physical education activity course credit are required for students on the Carbondale campus—three hours for students on the Edwardsville campuses. The work is to be selected from the courses listed below.

Men participating in varsity sports may satisfy this requirement by three

quarters of competition on a varsity athletic squad, each quarter in a different sport, provided they register for the varsity sports for credit. Not more than two hours in any one sport may count toward this requirement. Not more than six hours of physical education activity credit may be accepted toward the graduation requirement for men.

Women are to select three courses from the 100-series and three courses from the 200-series. All 100-numbered courses meet three days a week and all 200-numbered courses meet two days a week. Not more than one course may be taken in any one quarter without special permission from the physical education department.

PHYSICAL EDUCATION FOR MEN

- 149-1. ADAPTED AND RESTRICTED ACTIVITIES. Freshman requirement for students with functional or structural disorders. Three-hour activity.
- 151-1, 152-1, 153-1. FRESHMAN REQUIRED PHYSICAL EDUCATION. Three-hour activity.
- 170-2, 171-2, 172-2, 173-2, 174-2, 175-2, 176-2, 177-2, 178-2, 179-2. VARIOUS VARSITY SPORTS.
- 180-1. PERSONAL DESIGN FOR BETTER LIVING.
- 184-1, 185-1, 186-1, 188-1, 189-1, 190-1, 191-1, 192-1, 193-1, 194-1, 198-1, 199-1. VARIOUS SPORTS.
- 208-1, 224-1, 230-1, 233-1, 239-1. VARIOUS DANCE COURSES.
- 249-1. ADAPTED AND RESTRICTED ACTIVITIES. Sophomore requirement for students with functional or structural disorders. Two-hour activity.
- 251-1, 252-1, 253-1. SOPHOMORE REQUIRED PHYSICAL EDUCATION. Two-hour activity. Prerequisites: 151, 152, and 153.
- 254-1, 280-1, 281-1, 283-1, 284-1, 285-1, 286-1, 287-1, 288-1, 289-1, 290-1, 291-1, 292-1, 294-1, 297-1, 298-1, 299-1, 317-1, 377-1, 378-1. VARIOUS SPORTS.

PHYSICAL EDUCATION FOR WOMEN

- 100-1, 120-1, 204*-1, 205*-1, 228-1, 316-1, 317-1. VARIOUS SWIMMING COURSES.
- 101B-1, 101H-1, 101S-1, 102-1, 103-1, 206-1, 212-1, 213-1, 214*-1, 215-1, 216-1, 218*-1, 222*-1, 223-1, 254-1, 255-1, 315-1, 373-1, 375-1, 377-1. VARIOUS ACTIVITY COURSES.
- 107-1, 127-1, 208-1, 224-1, 230*-1, 233-1, 239*-1, 374-1, 376-1. VARIOUS RHYTHM, BODY MOVEMENT, AND DANCE COURSES.
- 101A-1, 102A-1, 103A-1, 201A-1, 202A-1, 203A-1. ADAPTED PHYSICAL EDUCATION. For students who are physically unable to participate in the regular physical education activities.

* Students who are advised by the University Physician to restrict their activities should register in courses marked with an "A" or an asterisk.

AIR SCIENCE

This requirement consists of Air Science 110, 210, 220, six quarters of leadership laboratory, and three elective courses.

All male students who undertake their first college work by entering

Southern Illinois University (Carbondale campus) are subject to this requirement unless they are veterans, or are over twenty-five years of age at the time of entrance, or are excused from this requirement by the Military Policies Committee.

All male students who transfer fewer than forty-five hours of acceptable credit from the Edwardsville campuses of Southern Illinois University, from the Vocational-Technical Institute of Southern, or from another college or university, including a junior college, are subject to this requirement unless they are veterans, or are over twenty-five years of age at the time of entrance, or are excused from the requirement by the University Military Policies Committee.

Descriptions of air science courses appear on page 129 of this bulletin.

ELECTIVE COURSES

Not all of the 192 hours required for a bachelor's degree consists of required courses. A student will find that he has opportunity to take a certain amount of work on an elective basis. The extent of this opportunity will vary, depending upon a student's academic unit and major.

A list of suggested elective courses appears in the appendix.

TEACHING CERTIFICATES

Most students planning to teach in the public schools register in the College of Education or the Education Division. However, it is possible for a student to be registered in one of the other academic units and meet the state requirements for a limited high school teaching certificate by using as his electives certain prescribed courses in education. Students may receive certification information from the Registrar's Office.

MASTER'S DEGREE

For information concerning the various master's degree programs, refer to the Graduate School bulletin or direct inquiries to the Dean, Graduate School, Southern Illinois University, Carbondale, Illinois.

DOCTOR OF PHILOSOPHY DEGREE

For information concerning the Doctor of Philosophy degree, refer to the Graduate School bulletin or direct inquiries to the Dean, Graduate School, Southern Illinois University, Carbondale, Illinois.

Special Programs for Credit

HONORS PROGRAM

The Plan "A" Curriculum has been created for the benefit of superior students who are interested in the objectives of general education as well as their own fields of specialization. This program is available at Carbon-dale only. It consists of one course per quarter for each class and is set up as follows:

FRESHMEN:

Plan "A" 151 - 152 - 153 - (2 hours of credit each quarter)

SOPHOMORES:

Plan "A" 251 - 252 - 253 - (2 hours of credit each quarter)

JUNIORS:

Plan "A" 351 - 352 - 353 - (3 hours of credit each quarter)

SENIORS:

Plan "A" 451 - 452 - 453 - (3 hours of credit each quarter)

A student may have credit for one course for one quarter only, or he may stay with the program for all twelve quarters and accumulate a total of thirty hours of credit. If he does not do satisfactory work, he may be asked to withdraw from the program at the end of the quarter.

At least two faculty members will be present at each session. Each quarter's work will be determined by the staff. For example, the program for Plan "A" 252 will be devised by the six faculty members who will offer the course. They will meet as many times as necessary during the previous quarter in order to settle upon the subject matter of the course and the necessary reading matter. Books will then be ordered for the course and kept on the shelves of the Plan "A" reading room.

It is hoped that these honors program courses will aid the students in integrating and evaluating their other courses. It is to be hoped also that through these courses they will become acquainted with the broad concepts and the great issues that play important parts in our society. Some quarters will also be planned to give the students an intensive study of the entire culture of a century; for examples, the fifth century B.C., the fifth century A.D., or the eleventh century A.D.

Plan "A" House is open for study purposes for its students all day every day except Saturday and Sunday.

INDIVIDUAL HONORS WORK

Individual Honors Work is distinguished from the Plan "A" Curriculum on the Carbondale campus by its stress on research and independent study during the junior and senior years. Department or division chairmen may compile lists of students eligible, or through conferences they may encourage outstanding students to do honors work.

If a student is accepted by his major department or division for honors work, the chairman of his major area will then appoint an adviser and two other staff members to form the student's committee. This committee shall approve the student's proposals for independent study and specific requirements in completing his major. He may then elect to do not fewer than nine nor more than twenty-one hours toward his major in independent research and investigation. He will take a comprehensive examination, either oral or written, at the end of his junior year, and again at the end of his senior year if he elects to do a second year of honors work.

Grades may be deferred at the end of the first and second quarters but not from one school year to the next.

The Honors Work Program Committee (Carbondale) or the Honors Program and Superior Student Committee (Edwardsville) will not function directly in the student's program but will offer its services in a standby capacity if ever a department or division chairman or a student's committee should call upon it.

PROFICIENCY EXAMINATIONS

The University recognizes the importance of providing adequate encouragement for academically talented students. A policy of permitting such students to demonstrate by examination the mastery of certain courses was adopted in the fall of 1959.

A student who wishes to apply for the privilege of taking a proficiency examination should initiate the request with his adviser.

High school students may participate in the proficiency examination program through the High School Advance Placement Program sponsored by the College Entrance Examination Board. Regular college students may apply to receive credit through university proficiency examinations.

A high school student who is qualified through registration in an advance placement course in his high school or through other special educational experience may apply for advance placement and college credit through the advance placement examinations of the College Entrance Examinations Board, 425 West 117th Street, New York 27, New York. A person must earn the grade of 3, 4, or 5, in order to receive credit. Any interested high school student should write to the University's Admissions Office to learn the current listing of courses for which credit may be earned through this program.

Ordinarily, the maximum number of credit hours which will be granted through advance placement examinations is sixteen hours. Credit earned will be nonresident credit, will not carry a grade, and will not be used in computing a student's grade point average. Credit granted at another accredited college or university under this plan will be transferable to this University up to a maximum of sixteen hours. A student may appeal to his academic dean to be granted more than sixteen hours.

For qualified college students, proficiency examinations may be administered in almost all academic courses at the 100 and 200 levels. Examinations in 300- and 400-level courses will be administered as needed. Academic advisers may be consulted as to the specific courses in which proficiency examinations are administered. The general regulations governing proficiency examinations follow:

1. A student applying for the privilege of taking a proficiency examination must present evidence that he has developed the competencies expected of students who have taken the course involved. He may demonstrate such competency by scoring in the upper 10 per cent on an acceptable standardized test of scholastic aptitude, by having taken formal course work in the subject in question, or by having had practical experience or studies directly related to the course for which the proficiency examination is requested.

2. Credit not to exceed forty-eight hours, including credit through the High School Advance Placement Program, may be earned through proficiency examinations. Credit thus granted will be nonresident credit.

3. Upon passing a proficiency examination in a course with a grade of "B" or above, a student will be granted regular credit toward graduation, provided that it does not duplicate credit counted for admission to the University and that the course is acceptable in his curriculum.

4. Credit granted through proficiency examinations at another accredited college or university may be transferred if earned in keeping with the regulations governing proficiency examinations at Southern.

5. A student's record will show the name of any course passed through proficiency examinations along with the amount of credit granted and a notation that it was granted by a proficiency examination.

6. A student may not take a proficiency examination to raise a grade, to remove a failure in a course, or to earn credit in a course previously registered for as audit.

7. A student may not take a proficiency examination for a course in which he already has credit in a more advanced course in the same subject area unless approved by the chairman of the department offering the course.

8. No credit granted as a result of proficiency examinations shall be applicable to a degree until the student has been in residence at Southern at least one quarter and has made at least a "C" average for this quarter.

A fee of \$5 will be charged for each proficiency examination administered by the University.

Student Welfare

HEALTH SERVICE

The primary purpose of the Health Service is to cultivate in students both physical and emotional health.

The students and parents are urged to read the *Health Service Bulletin* where more detailed information is given concerning hospitalization, the maintenance of a Student Medical Benefit Fund to help defray hospital costs, and procedures to be followed in the event of illnesses or accidents occurring on and off campus.

Carbondale Campuses

Director Richard V. Lee, M.D. (Illinois), University Physician, Associate Professor	1955
University Physician Katharine Kalnins, M.D. (Ludvig Maximillian, Munich), Associate Professor	1954
University Physician Joseph P. Miranti, M.D. (Loyola), Associate Professor	1961
Assistant Instructor Helen Thomas Goetz, R.N. (St. Luke's), Public Health Nurse at University School	1946

The University maintains a well-qualified staff of physicians, nurses, technicians, and a pharmacist which serves a large and active out-patient clinic. Any student enrolled in the University may consult the Health Service, free of charge, for any illness or related problem that he or she may have and receive indicated diagnostic workups and treatment. Diagnostic and treatment equipment include a modern laboratory, X-ray department, physical therapy unit, and in some instances referral to area specialists for more detailed diagnostic or treatment procedures.

The Health Service maintains a modern pharmacy where students may purchase necessary drugs or medications on a cost basis on prescription from a University Physician.

Other services include the maintenance of immunization programs for polio, typhoid, diphtheria, tetanus, and smallpox, without charge to students.

A student catastrophe insurance program is available for students who pay activity fees at an additional cost of about \$6 per year. This is supplementary to the student medical benefit fund.

Edwardsville Campuses

Health Service facilities with registered nurses on duty are available at Alton and East St. Louis. Arrangements have been made with local physicians to care for certain needs beyond the abilities of the campus Health Service.

In addition to the usual care for emergency first aid and illness, the Health Service provides a polio immunization program, hearing tests, and vision tests without charge to students.

CO-OPERATIVE CLINICAL SERVICES

Co-ordinator Alden M. Hall, B.S. (Bradley)	1953
Professor I. P. Brackett, Ph.D. (Northwestern)	1951
Professor Robert Karlin, Ph.D. (New York)	1959
Professor Herman B. Lantz, Ph.D. (Ohio State)	1951
Professor W. A. Thalman, Ph.D. (Cornell)	1929
Associate Professor Chester J. Atkinson, Ph.D. (Ohio State)	1954
Associate Professor Jack W. Graham, Ph.D. (Purdue)	1951
Associate Professor Richard V. Lee, M.D. (Illinois)	1955
Associate Professor John G. Martire, Ph.D. (Michigan)	1956
Associate Professor B. Elizabeth McKay, Ph.D. (Syracuse)	1952
Associate Professor Clinton R. Meek, Ph.D. (George Peabody)	1957
Associate Professor Guy A. Renzaglia, Ph.D. (Minnesota)	1955
Associate Professor Donald Shoemaker, Ph.D. (Ohio State)	1960
Assistant Professor Gene Jerome Brutten, Ph.D. (Illinois)	1957
Assistant Professor Ernest J. Doleys, Ph.D. (Missouri)	1959
Assistant Professor William Gerler, Ph.D. (Illinois)	1960
Assistant Professor Hugo Gregory, Ph.D. (Northwestern)	1958
Assistant Professor Michael S. Hoshiko, Ph.D. (Purdue)	1957
Assistant Professor Robert R. Spackman, Jr., M.S. in Ed. (Southern Illinois)	1957

Assistant Professor Ronald W. VanderWiel, M.S.W.

(Washington University)

1957

Instructor Norman Greene, M.S. in Ed. (Southern Illinois)

1957

Since 1936, Southern Illinois University has provided a variety of clinical services to its own students, to the public schools, and to the general public. These services have been available at several widely dispersed places throughout the campus.

In 1958, the University co-ordinated the clinical services on the Carbondale campus by establishing the Co-operative Clinical Services Center. The center provides a single place to which requests for services can come. In instances where services requested are not available at the Co-operative Clinical Services Center, the center assists in making referrals to other agencies.

Persons wishing to make use of any of the services participating in the Co-operative Clinical Services Center may write directly to the coordinator at Carbondale for an appointment. Facilities have been arranged in such a way that a person who may need the assistance of several specialties may receive this service in the one center. A variety of clinical services are provided by a professional staff assigned from the University's departments or agencies discussed below.

The Department of Elementary Education, through the Reading Center, assists children, students, and adults who are having difficulty in reading to improve reading skills and study habits. Referrals are accepted from the area schools as time permits.

The Department of Guidance, through the Child Guidance Clinic, examines various cases which are brought to the campus throughout the year, particularly those children having difficulties in their school subjects or in environments in which they are not understood. The department also provides consultive services to teachers, guidance directors, and school administrators in area schools; to parents; and to various public officials and agencies concerned with children.

The University Health Service promotes individual and general health in the university community by means of a comprehensive medical program. This is primarily a student service. To the extent that staff and facilities permit, physical therapy, supervised and prescribed by a university physician, is available to assist handicapped and temporarily disabled individuals.

The Department of Psychology provides professional services in psychological evaluation, diagnosis, and treatment. Evaluation includes intellectual assessment and comprehensive personality appraisal. Treatment

includes counseling, play therapy, and more extended and intensive psychotherapy. Services are available to students, to children, and to their parents and other adults.

The Rehabilitation Institute provides special services to handicapped students and, as time and facilities permit, to other handicapped persons as well. The staff works closely with allied services in providing general and vocational rehabilitation counseling. Rehabilitation counseling provides for individual appraisal and diagnosis, general counseling pertaining to matters that handicapped individuals find troublesome, uncertain, or distracting, and the development of realistic educational and vocational plans.

The Department of Sociology provides marriage counseling services for the single as well as the married person. Services are available to students, their families, and to off-campus persons as available staff time permits.

The Department of Special Education works directly with the Child Guidance Clinic in assisting the mentally retarded and those having special handicaps. A special program for preschool-age deaf children provides intensive tutoring in language development. An Employment Evaluation and Training Project for adolescent mentally handicapped boys is also provided by this department.

The Department of Speech Correction provides service for persons who have speech and hearing deviations which handicap them in the normal pursuits of everyday life. This is accomplished through a thorough evaluation of the individual's problems, consultation with those concerned, and when advisable, the scheduling of regular therapy sessions. The following areas come within the scope of the clinic: hearing testing and hearing aid evaluations, training in use of residual hearing, teaching of lip reading, articulatory disorders and delayed speech, stuttering, cleft palate, cerebral palsy, voice disorders, aphasia and speech training for the laryngectomized.

The Student Counseling and Testing Center provides a setting designed to help college students grow in self-understanding so they may use their assets productively and plan realistic goals for themselves. The center provides personal, educational, and vocational counseling and, when needed, arranges for psychological testing and the interpretation of the results.

STUDENT WORK PROGRAM

Director Frank C. Adams, M.S. in Ed. (Southern Illinois),
Instructor

1957

Assistant Director Roland Keene, M.A. in Ed. (Washington University), Instructor	1958
Supervisor Alice Rector, Ed.D. (Washington University), Assistant Professor	1946
Supervisor Raymond P. DeJarnett, M.S. in Ed. (Southern Illinois), Instructor	1960
Supervisor David R. Van Horn, M.S. (Oklahoma State), Instructor	1957
Assistant Supervisor Joseph Zimny, B.S. in Ed. (Southern Illinois), Lecturer	1958

The Student Work Program, operating on the Carbondale and Edwardsville campuses, serves two major purposes: It provides financial assistance in the form of part-time employment; and it provides work experience which relates, if possible, to the student's academic program. Students employed on-campus are expected to participate in training programs. The kind of training and length of the programs are determined by the employing unit in co-operation with the Student Work Office.

The Student Work Office, which is the administrative office for the program, is a referral agency and cannot promise jobs to students. However, every effort is made to place capable, needy students in either on-campus or off-campus jobs.

Students employed on-campus are paid from \$0.80 to \$1.25 per hour, based upon off-campus experiences and the number of years of satisfactory service to the University. Employment by the University on a part-time basis provides financial assistance and work experience for some 2,000 students in the following job classifications:

- Class 1. Instructional research assistants, who assist in the instructional or laboratory work and in highly technical jobs, are paid from \$0.80 to \$1.25 per hour.
- Class 2. Technical and supervisory workers, who are highly skilled, assume extra responsibility, and are able to work without close supervision, are paid from \$0.80 to \$1.25 per hour.
- Class 3. Clerical workers, who work at semi-skilled and semi-technical jobs, are paid from \$0.80 to \$1.10 per hour.
- Class 4. Service workers and maintenance workers, who work at semi-skilled and semi-technical jobs, are paid from \$0.80 to \$1.10 per hour.
- Class 5. Special workers, such as students who have special skills and talents and work at jobs not included in the above classifications, are paid from \$0.80 to \$1.25 per hour.
- Class 6. Extra workers performing jobs of short duration which are

included in Classes 3 and 4 are paid from \$0.80 to \$1.00 per hour.

The recommended work load with respect to the academic load is as follows:

ACADEMIC LOAD	WORK LOAD
15-up hours	Below 80 hours per month
12-14 hours	Below 100 hours per month

The Student Work Office sets the standards and reviews the qualifications of students to determine their eligibility to participate in the program. Therefore, it is the first office to be contacted by the students who desire part-time employment. High school seniors who have urgent financial problems should contact the Student Work Office in the spring before high school graduation. They should seriously consider enrolling in the University for the summer session in order to be in close contact with the Student Work Office for possible referral and placement. It is recommended that prospective students who expect to earn part of their expenses should have means of support for at least one quarter.

The Student Work Office also assists students in finding summer employment at resorts, in governmental agencies, in business and industry, on farms, and with canning and packing companies.

An application for student employment, or information about work possibilities, may be obtained by writing to the Student Work Office on the campus where work is desired.

STENOGRAPHIC SERVICE

Supervisor Mary S. Walker, B.S. (Southern Illinois)

1960

The Stenographic Service, located on the Carbondale campus, was activated for a twofold purpose: (1) to give faculty members access to qualified secretarial help; and (2) to train student employees so that they may give better service while employed in a student capacity.

The work performed by this service is primarily mimeographing, collating, spirit process duplicating, copying by Verifax, automatic type-writing, and general stenographic duties.

OFFICE OF STUDENT AFFAIRS

The services of the Office of Student Affairs are designed to assist in developing and maintaining a suitable campus environment for all stu-

dents. The Office of Student Affairs co-ordinates all student personnel services not directly associated with academic instruction and supervises all student activities and organizations.

Carbondale Campuses

Director of Student Affairs and Dean of Men I. Clark Davis, Ed.D. (Indiana), Associate Professor	1949
Assistant Dean of Men Joseph F. Zaleski, Ed.D. (Florida), Assistant Professor	1958
Assistant Dean of Women Loretta Ott, M.S. in Ed. (Southern Illinois), Instructor	1948

The Office of Student Affairs on the Carbondale campus includes the Student Special Services Office, which includes Housing and Financial Assistance, Student Activities Office, and the Student Counseling and Testing Center.

Edwardsville Campuses

Director of Student Affairs Howard V. Davis, Ed.D. (Washington), Associate Professor	1957
Supervisor, Alton, William F. Banaghan, Ph.D. (Purdue), Assistant Professor	1959
Supervisor, East St. Louis, Thomas D. Evans, M.S. (Southern Illinois), Instructor	1957

The Office of Student Affairs on the Edwardsville Campus includes Counseling and Testing, Student Health and Welfare, Student Activities, Financial Assistance, Placement, Student Employment, Athletics, and Student Special Services.

STUDENT COUNSELING AND TESTING

Carbondale Campuses

Co-ordinator Jack W. Graham, Ph.D. (Purdue), Associate Professor	1951
Associate Co-ordinator William R. Gerler, Ph.D. (Illinois), Assistant Professor	1960
Instructor Wilbur Ray Venerable, M.A. (Kentucky)	1957
Lecturer Paul E. Engsborg, M.Ed. (Missouri)	1961-62

The Student Counseling and Testing Center is staffed with professional counselors who are able to discuss and explain freely any problem or plan that may concern the student be it personal, academic, or voca-

tional. The center stresses personal and clinical counseling that is initiated by the student. A counselor, free of other commitments, is available during regular office hours ready to assist students coming to the center for their first time. The counselor is able to explain the counseling process and assist students in arranging a scheduled appointment. Counseling is designed to help the student arrive at a realistic solution to his problem by providing a permissive setting in which the student may express freely his thoughts and feelings and in turn gain insights for greater understanding.

The Student Counseling and Testing Center is approved by the Committee on Professional Practices of the American Personnel and Guidance Association. Services to the students are provided without charge. When special testing is needed to assist in counseling, it may be arranged through the center.

Close co-operation is maintained with the other functional areas of the Office of Student Affairs, the Co-operative Clinical Services Center and the Academic Advisement Center in providing help for students. Referrals are accepted from these agencies and from the faculty. Referrals are made for students needing services of any of the agencies co-operating in the Co-operative Clinical Services Center.

PRECOLLEGE COUNSELING

High school seniors who are contemplating entering college may obtain counseling to assist them in their decision concerning the type of program they might best pursue. General information regarding college and university admission and graduation requirements is provided.

Visits to high schools by staff members from the University are made upon request to supplement the educational and vocational counseling provided by the high schools.

VOCATIONAL INFORMATION

The Student Counseling and Testing Center has a file of selected pamphlets, monographs, and books catalogued to afford authentic information about vocational requirements, trends, and opportunities, including those in military service. A similar file is provided in the Education Library of Morris Library.

TEST ADMINISTRATION

In addition to the extensive individual testing completed in conjunction with counseling, the Counseling and Testing Center also administers various testing programs for selection, placement, and research purposes.

On the first Friday and Saturday of each month, the Counseling and Testing Center administers the Tests of General Educational Development.

Residents of Illinois over twenty-one years of age who desire to earn high school diplomas through this program should write the Student Counseling and Testing Center for further details.

Southern Illinois University administers the tests for the American College Testing Program and the Illinois State-wide Scholarship Program on the Carbondale campus and also at East St. Louis and Alton.

Several national testing programs, such as the Graduate School Selection Examination, the Medical College Admission Test, and the Law School Admission Test, are administered each year for students seeking entrance to graduate or professional schools. The Selective Service College Qualification Test and the College Entrance Examinations are given on the announced dates. Information regarding the above tests and other national testing programs may be obtained by consulting the Student Counseling and Testing Center.

Students desiring to take the final examinations for correspondence courses from other universities may arrange with the Counseling and Testing Center in order to take the examinations under approved supervision.

TEST SCORING AND RESEARCH SERVICE

An electric scoring machine is available for scoring tests for faculty members, academic departments, research programs, as well as schools in the area. Assistance in the construction and standardization of objective tests is provided by staff members. Educational research projects relating to the general responsibilities of the Office of Student Affairs and related areas are carried out by the staff.

Edwardsville Campuses

The Office of Student Affairs offers counseling services to students desiring assistance in making the adjustment to college life. Counseling is concerned with assisting the student in understanding and evaluating his potentialities and limitations in solving his problems and taking advantage of his opportunities. Special attention is given to students desiring to withdraw, to students with scholastic inefficiencies or deficiencies, to students with superior ability, and to students with attendance and attitude problems. Testing is an aid to understanding the individual student. It provides objective-type measures of certain phases of the intelligence, interests, aptitudes, personality, and achievements of the individual student and is particularly related to the counseling function.

GUIDANCE TEST BATTERY

College ability tests and achievement tests are offered to all students in the form of the Guidance Test Battery which is required to be taken

when students enter Southern Illinois University. The battery includes a college ability test, an English achievement test, and a mathematics achievement test. When receiving personal, educational, and vocational counseling, students may also be given intelligence, aptitude, interest, and temperament tests. Counselors are available to discuss any problems which may confront a student and to consult with parents, guardians, and instructors.

PRECOLLEGE COUNSELING

High school seniors who are contemplating entering college may obtain counseling to assist them in their decision concerning the type of program they might best pursue. General information regarding college and university admission and graduation requirements is provided.

Visits to high schools by staff members from the University are made upon request to supplement the educational and vocational counseling provided by the high schools.

VOCATIONAL INFORMATION

The Office of Student Affairs has a file of selected pamphlets, monographs, and books catalogued to afford authentic information about vocational requirements, trends, and opportunities.

CORRESPONDENCE COURSE FINAL EXAMINATIONS

Students desiring to take the final examinations for correspondence courses from other universities may arrange with the Office of Student Affairs in order to take the examinations under approved supervision.

FINANCIAL ASSISTANCE

Co-ordinator Arthur A. Swanson, M.S. in Ed. (Southern Illinois)	1959
Assistant Co-ordinator Mary M. Beimfohr	1957

The basic goal of the financial assistance program at Southern Illinois University is to enable talented high school graduates who may lack financial resources to enter and continue experiences in higher education. The program has been organized so that it may function as an integral part of the total educational experience of the student. An attempt is made not only to assist needy and deserving students with their financial obligations through the program, but in addition, to contribute to their general development and learning experience.

The program of financial assistance includes scholarships, awards, prizes, grants-in-aid, and student loan funds. As a part of the award pro-

gram, the Board of Trustees of the University has established tuition awards known as Southern Illinois University Scholarship and Activity Awards. Normally, this is the only form of scholarship or award assistance for which entering students may be considered. Freshman applicants are required to have ranked in the upper half of their graduating class or to have achieved a minimum comprehensive high school average of "C" in order to be eligible to apply for *awards*. Enrolled students are required to have a minimum average of "C" for all college work in order to apply for such awards; for *scholarships* available to upperclassmen, a minimum average of "B" for all college work is required.

The comparative limitations of such forms of assistance in terms of both number and amount available make it inadvisable for an undergraduate student to expect to meet all university expenses from such sources. It is strongly suggested that the student be prepared to supplement such assistance as may be granted with funds secured from personal means.

In addition to the minimum scholastic average, the degree of financial need is generally an important requirement in determining the recipients of many of the forms of financial assistance available.

Before a student's application for any of the forms of financial assistance may be considered, it is necessary that he submit an application for admission to the University. This should be done shortly after the close of the applicant's seventh semester of high school. Proper forms may be obtained from the Admissions Office of the University.

Completed applications for all forms of financial assistance allocated by the Scholarships and Loans Committee of the University must be submitted between January 1 and March 15 of the year prior to the September the applicant wishes to be considered for the assistance. Applications for assistance to be granted at other times during the year should be submitted within the period specified at the time the application is obtained.

Applicants for assistance to become effective in the fall will be notified of decisions concerning their applications during the summer prior to the opening of the fall quarter.

Graduate students should refer to the Graduate School bulletin for information concerning assistantships and fellowships.

All inquiries concerning financial assistance should be directed to the Office of Student Affairs on the campus that the student plans to attend.

FEDERAL ASSISTANCE

National Defense Education Loan Fund

The National Defense Student Loan Fund, established under Title II of the National Defense Education Act of 1958, provides a long-term loan

program from which eligible and deserving students may be granted substantial loans to supplement other income for educational purposes. Full-time undergraduate and graduate students in good standing at the University are eligible to apply for these loans. Graduating high school seniors may apply during their last semester if they have been admitted to the University. Students attending only during summer sessions are not eligible. Students must also be United States nationals. If loans are granted, students must continue to meet the above-stated criteria in order to receive assistance from this fund. Complete details regarding this program may be obtained from the Financial Assistance Center.

Federal Assistance for Veterans of Military Service

Educational benefits for most veterans of World War II have elapsed. A person having a service-incurred disability may qualify as a recipient of benefits under Public Law 16 or 894, the latter being an amendment to Public Law 16. Public Law 16 is intended for veterans who received their disability between September 16, 1940, and July 25, 1947, while Public Law 894 is intended for veterans who received their disability between June 27, 1950, and an unestablished date in the future. Under Public Laws 16 or 894 the veteran's tuition, fees, special equipment and supplies, and subsistence will be paid for by the United States Government through the Veterans Administration.

Persons who have been in active military service between June 27, 1950, and January 31, 1955, who have served at least ninety days, and who have been discharged under conditions other than dishonorable may be eligible for educational benefits under the Veterans Readjustment Assistance Act of 1952 (Public Law 550 or "Korean G.I. Bill"). Application forms and additional information concerning these benefits may be obtained from the Registrar's Office, the Office of Student Affairs, the Veterans Administration, or the local Illinois Veterans Commission Office. Veterans are urged to apply for training at least two months prior to enrolling in the University.

Experience has shown that a period of two or three months elapses before a veteran participating in such a program receives his first check. It is advisable, therefore, that each veteran be prepared to finance himself in the first two or three months during his first quarter in attendance at the University.

Public Law 634

Benefits under Public Law 634 are available to the child or children of a person who died of an injury or disease incurred or aggravated in the line of duty in active service in the Armed Forces during World War I,

World War II, or the Korean conflict and whose service did not terminate under dishonorable conditions. In addition, if the veteran's child served on active duty with the Armed Forces he must have been separated under conditions other than dishonorable.

Payments cannot be made while the veteran's child is serving on a tour of duty with the Armed Forces. In general the same rules apply to this law as to Public Law 550. Application forms may be obtained at the Registrar's Office, the Veterans Administration, or the local Illinois Veterans Commission Office.

STATE ASSISTANCE

State Teacher Education Scholarships

State scholarships are awarded each year through the office of the State Superintendent of Public Instruction to selected students who plan to enter the teaching profession. Graduates of recognized high schools who are in the upper half of their graduating classes are certified by the principals to county superintendents, who transmit these names to the Superintendent of Public Instruction. The Superintendent, in turn, may award scholarships to the highest-ranking graduates who signify their intentions to prepare to teach in the Illinois public schools. The scholarship covers the student's tuition and activity fees. Holders of these scholarships must apply for admission to the University not later than August 15 of the year in which the scholarship is awarded. Such a student must be registered in a teacher training program while using the scholarship. If a scholarship holder does not register for the next regular quarter following receipt of the scholarship, or if, having registered, he withdraws from the University, he forfeits his scholarship. Any student holding a scholarship who needs a leave of absence for the purpose of earning funds to defray his expenses while in attendance, on account of illness, or because of entrance into military service, may be granted such leave and allowed a period not to exceed six years in which to complete his course at the University. Request for a leave of absence should be addressed to the Registrar. A forfeited scholarship may be issued to the next highest-ranking student as shown on the list submitted to the Superintendent of Public Instruction. Recipients need to bring their scholarships to the Registrar's Office where they are kept on file. Currently, this scholarship covers tuition, student activity fee, and graduation fee.

State Scholarship Act

The state scholarship program is applicable at Southern Illinois University. This scholarship exempts the student from certain fees. Interested

students should consult their local high school office early in their senior year for complete information on the program.

Holders of state scholarships on the Carbondale campus have a special adviser to assist them in arranging programs best suited to their needs.

General Assembly Scholarships

Each member of the General Assembly (Senator or Representative) may nominate annually two persons of school age and otherwise eligible, from his district, one of which shall receive a certificate of scholarship in the University of Illinois, and the other a certificate of scholarship in any other state-supported university designated by the member. Interested students planning to attend Southern Illinois University should contact their Senator or Representative. This scholarship exempts the student from the paying of tuition, student activity fee, and graduation fee.

Vocational Rehabilitation

Under the State Board for Vocational Education is a division for the vocational rehabilitation and placement in remunerative employment of persons whose capacity to earn a living is or has been impaired. This includes those with physical handicaps of various kinds. Approved students receive all registration and tuition fees, book rental, and school supplies for nine months a year.

Persons who wish to consult with a representative may call at the Carbondale Field Office located at 416 South Illinois Avenue. Students from other parts of the state who are now receiving training through the State of Illinois Division of Vocational Rehabilitation may consult any representative of the Board.

Illinois Military Scholarship

Any person who served in the Armed Forces of the United States during World War I or World War II (including all service between September 16, 1940, and an undetermined date to be established in the future) may be eligible for the benefits of the Illinois Military Scholarship. To be eligible a person must have been (1) a resident of the state of Illinois at the time of entering the service; or, if not an Illinois resident, a student at Illinois State Normal University, Northern Illinois University, Eastern Illinois University, Western Illinois University, Southern Illinois University, or the University of Illinois at the time of his enlistment or induction; and (2) honorably discharged.

This scholarship is awarded for four calendar years or for sufficient time to enable the veteran to complete his course of study provided this time does not exceed four calendar years. It may be used for resident or

off-campus study and covers tuition, activity fee, and graduation fee. Application for this scholarship should be directed to the Registrar's Office and must be accompanied by a copy of the discharge. Award will be made only to veterans possessing all necessary entrance requirements.

After a veteran has been awarded a scholarship, he must use it on a continuing basis. Any period of absence not covered by an approved leave of absence will result in the loss of the scholarship. Leaves may be granted for a maximum of two years for reasons of illness, to earn funds to defray expenses while in attendance, or to enter military service. Requests for leaves of absence should be directed to the Registrar's Office.

The Governor's Committee for Veterans' Rehabilitation and Employment

This committee will assist any veterans, but gives aid primarily to ex-servicemen and ex-servicewomen with impaired health or with limited physical abilities. Such persons may receive, at state expense, vocational training and education, plus health restoration treatments and prosthetic appliances. After proper training, they are given assistance in obtaining employment.

Carbondale Campuses

NONGOVERNMENTAL ASSISTANCE

Funds for which Recipients are Selected by the Scholarships and Loans Committee of the University

- Achievement Prize for Zoology Majors
- Alpha Delta Sigma Advertising Scholarship
- Borden Freshman Prize
- Carbondale Council of Garden Clubs Award
- Donald Forsythe Unit No. 514 Scholarship (American Legion Auxiliary)
- Egyptian Association Grants-in-Aid (for Teachers of Mentally Handicapped Children)
- Epsilon Lambda Award (Delta Theta Tau Sorority)
- Floyd Wakeland Memorial Award (Southern Illinois University Foundation)
- Foundation Endowment Scholarship Fund (Southern Illinois University Foundation)
- Francis M. Hewitt, Sr. Scholarship in Art (Southern Illinois University Foundation)
- Frank Galbreath Fund
- Freshman Prize in Nursing
- Gloria Credi Memorial Scholarship

Herrin Textile Workers Union Scholarship
(Southern Illinois University Foundation)
Illinois Congress of Parents and Teachers Association Scholarship
Illinois Congress of Parents and Teachers Special Education Scholarship
Illinois Lions Committee for Retarded Children Award
James H. Stoevers Memorial Fund for Retarded Children
Johnson Foundation Chemistry Scholarship
June Vick Memorial Scholarship
Junior Women's Clubs of Illinois Award
Larry Mann Advertising Scholarship
Leah M. Reef Memorial Scholarship (Southern Illinois University Foundation)
Leo Kaplan Memorial Scholarship (Southern Illinois University Foundation)
Limerick Finance Scholarship
Miller, Natowitz, Paris Memorial Scholarship (Southern Illinois University Foundation)
Mu Phi Epsilon Music Award (Southern Illinois University Foundation)
Nursing Scholarship
Pi Kappa Sigma Memorial Alumnae Scholarship
(Southern Illinois University Foundation)
Presser Foundation Music Scholarship
Roscoe Pulliam Memorial Alumni Scholarship
Sahara Coal Company Awards in Forestry
Saluki Award Fund
Sangamo Management Club Award (Southern Illinois University Foundation)
Small Business Institute Scholarship Fund
Southern Illinois District Council Activity Awards
Southern Illinois Symphony Orchestra Awards
Southern Illinois University Scholarship and Activity Awards
Southern Illinois University Faculty Mine Memorial Scholarship
Southern Illinois University Student Refugee Fund Award
Thelma Louise Kellogg Scholarship (Southern Illinois University Foundation)
Transportation Club of Little Egypt Award
Washington County H.I.A. Honor Award
Western Electric Scholarship
Women's Physical Education Award
Woody Hall Scholarship
Woody Hall Service Award

*Funds Administered by the University for which
Recipients are Selected by the Donor*

Abbott Foundation Grant-in-Aid
Aileen S. Andrew Grant-in-Aid
Alcoa Foundation Scholarship Fund
Alpha Phi Omega Scholarship (Zeta Nu Chapter)
American Legion, Department of Illinois Prize
American Legion—Paul Stout Post No. 127 Grant
American Baptist Convention Grant-in-Aid
Anita Ray Early Memorial Scholarship
Asian Studies Scholarship
Aviston Chamber of Commerce Scholarship
Beverly Hills University Club Scholarship
B'nai Brith Federation Scholarship Exchange
Bonallynn Chism Scholarship Award
Business Men's Assurance Grant-in-Aid
Cahokia Commonfields High School Student Council Grant
Carbondale Community High School Parents and Teachers Association Scholarship
Carl Sandburg High School PTA Grant-in-Aid
Carmi Elks Lodge No. 1652 Award
Collinsville Education Association Grant
Comanche Parents Music Scholarship
Cummins Engine Foundation Matching Distributorship Scholarship Program
Dan Hopkins Advertising Scholarship
Design Initiative Award
Dillard High School Scholarship
Eastern Star of Illinois Grant-in-Aid
Edna M. Ivey Memorial Scholarship
Elks National Foundation
Elsie Bain Scholarship in Nursing
Frank Gannett Newspaperboy Scholarship
Fraternal Order of Eagles, Murphysboro Aerie
George M. Pullman Educational Foundation
Girls' Rally Scholarship Fund
Government Employees Mart Grant-in-Aid
Granite City Scholarship Foundation
Helen Schuman Graduate Scholarship
Home Economics Scholarship
Illinois Elks Association Scholarship Fund
Illinois Federation of Women's Clubs Grants-in-Aid

Illinois Poultry Improvement Association Award
 Illinois Production Credit Association Award
 Jefferson County Association for the Mentally Retarded Award
 Joe Dougherty and Don Cross Award
 John Doyle Scholarship Foundation Award
 Journal Star Scholarship Fund
 Junior Minerva Club of Granite City Award
 Mary Louise Barnes Alumnae Scholarship in Home Economics
 Men's Residence Halls Service Award
 Mount Olive Association Scholarship
 Murphysboro B.P.O.E. No. 572 Scholastic Scholarship
 Murphysboro Shrine Club Scholarship
 National Honor Society Scholarship
 Pennsalt Scholarship Award
 Prairie Farmer Publishing Company Scholarship in Agricultural Journalism
 Production Credit Association Awards
 Randolph County Education Association Scholarship
 Ratner, Miller, Shafran Foundation Grant-in-Aid
 Southern Baptist Convention Grant-in-Aid
 Southern Illinois Editorial Association Award—Community Journalism
 Southern Illinois Reunion Council Award
 Stonefort American Legion Post No. 400 Scholarship
 The General Henry H. Arnold Educational Fund Grant-in-Aid
 University Women's Club Award
 Washington Street Baptist Church Grant
 West Frankfort Business and Professional Women's Club Award
 Women's Relief Corps, G.A.R.
 W. V. Jeans Memorial Award, in Farm Equipment Retailing

Prizes

A limited number of prizes are awarded to students who have evidenced superior achievement in specific areas or departments of the University. These prizes often take the form of books, medals, or trophies, and are presented at various times during the year. Eligibility varies considerably from one prize to another. Interested students are invited to consult the specific departments or groups concerned with selecting the recipients for further details. The following prizes are currently in existence at the University.

Alpha Lambda Delta Award
 American Association of Teachers of Spanish and Portuguese, Bronze Medal
 American Association of University Professors Scholarship

American Guild of Musical Artists Award
Betty Rhodes Scholarship Award (Alpha Gamma Delta)
Elementary Education Prize
Floyd Wakeland Memorial Award in Music
Illinois Beta Association of Phi Beta Kappa Commencement Prize
Interstate Conference Scholastic-Athletic Award
Janice Neckers Memorial Scholarship (Sigma Sigma Sigma)
Kappa Omicron Phi Award
Mallarmé Prize in French Studies
Norman Caldwell Prize in History
Phi Eta Sigma Faculty Adviser's Award
Phi Eta Sigma Scholarship Prize
Philosophy Prize
Physical Education Honor Award
Pi Omega Pi Award for Outstanding Achievement in Business Education
Sigma Pi Memorial Fund
Wall Street Journal Achievement Award

Student Loan Funds

Through the generosity of friends of the University, several short-term loan funds have been established to be used by needy and deserving students. There are two basic requirements which are applicable to most of these funds; the applicant must be more than a first quarter student and he must have a minimum comprehensive University average of "C." Amounts which may be borrowed vary with the individual loan funds. Generally, freshman and sophomore students are permitted to borrow up to \$50.00; juniors, seniors, and graduate students are permitted to borrow up to \$150. In addition, a private foundation has established a loan fund at the University from which qualified juniors and seniors under twenty-five years of age may borrow up to \$600. The rate of interest and method of repayment vary with the particular loan fund, but the usual rate of interest on funds administered directly by the University is 3 per cent per year.

The following student loan funds are currently in existence at the University.

Altrusa Club Student Loan Fund
Carbondale Branch AAUW Loan Fund
Carbondale Business and Professional Women's Club Loan Fund
Carbondale Rotary Club Student Loan Fund
Faculty-Staff Aid to Students
General Student Loan Fund
General University and Men's Residence Halls Emergency Loan Fund
Harrisburg Women's Club Student Loan Fund

Harwood Hall Student Loan Fund
Helen A. Shuman Memorial Fund
Henry Strong Educational Foundation Loan Fund
Householder's Loan Fund
Illinois Congress of Parents and Teachers Loan Fund
Illinois Health Improvement Association Loan Fund
Interfraternity Council Student Loan Fund
Jane Holloway Loan Fund
Lionel Picheny Memorial Loan Fund
Lucy K. Woody Student Loan Fund
Malvine Beck Educational Student Loan Fund
Marion Business and Professional Women's Club Loan Fund
Mary M. Steagall Memorial Student Loan Fund
Men's Residence Halls Loan Fund
National Defense Student Loan Fund
Pearle Sherman Student Loan Fund
Printing Service Loan Fund
Southern Illinois University Women's Club Loan Fund
Southern Illinois University Alumni Association Student Loan Fund
William and Mary Gersbacher Student Loan Fund
William McAndrew Memorial Student Loan Fund
W. O. Brown Student Loan Fund
W. W. Vandever Student Loan Fund
25th District Illinois Federation of Women's Clubs Student Loan Fund

Edwardsville Campuses

Scholarships and grants-in-aid currently in existence at the Edwardsville campuses include the following:

All America City Health Award
Alton Branch American Association of University Women
Association on American Indian Affairs Scholarship Fund
Bunker Hill P.T.A. Scholarship
First Corinthian Baptist Church Fund
Granite City Scholarship Foundation, Inc.
Illinois Association of Colored Women Scholarship Fund
Elijah P. Lovejoy Memorial Grant
Maclellan Foundation Fund
Sue McLaughlin Memorial Fund
Alton Chapter—National Secretaries Association
Senior Class Loan Fund
George Washington Educational Fund
Foundation General Scholarship Fund

STUDENT ACTIVITIES

Carbondale Campuses

Co-ordinator Elizabeth I. Mullins, M.Ed. (Illinois), Instructor	1957
Assistant Co-ordinator William C. Bleyer, M.S. in Ed. (Southern Illinois)	1958

Southern Illinois University encourages a broad program of student activities with opportunities for all students to participate. These organizations are varied so that each student may find some group or activity which is of special interest to him.

The Student Activities Office assists all campus groups and individuals in planning, conducting, and evaluating their activities and programs. Additional information may be obtained from this office.

The range of activities covers student government; departmental clubs; honorary and professional groups; religious organizations; service organizations; special interest groups; special events; and leadership training.

STUDENT GOVERNMENT

The central student government is composed of a president and vice-president of the student body, the Student Council, the Campus Judicial Board, and the following standing commissions and committees: Social Senate, Southern Spirit Council, Educational Affairs, International Affairs, Student Affairs, Student Rights, and Campus Service. The Student Council is composed of senators, elected by students living in identifiable living areas, and the president of each of the four undergraduate classes. This student government structure provides a channel for student opinion, approves the selection of student chairmen for special events such as New Student Week and Miniature United Nations Assembly, recommends student representatives to serve on all university committees, recommends allocation of the student activity fee, and promotes and fosters cultural and educational projects in keeping with the broadest philosophy of Southern Illinois University. In addition to this central structure, each residence hall and living area has a student government which concerns itself with the matters pertaining to resident living, co-ordination of the living unit educational and social programming, and development of a living environment conducive to the achievement of academic excellence.

DEPARTMENTAL CLUBS

Most of the departments on campus have their own interest groups.

These groups are open to all those interested in a particular academic area and provide opportunities for students to become better acquainted with the faculty and to investigate further their special interests.

HONORARY SOCIETIES AND PROFESSIONAL FRATERNITIES

Students outstanding in academic achievement or in special fields may be eligible to belong to many of the national and local honorary and professional organizations existing on Southern's campus. Membership serves as a means of becoming better acquainted with others in the same field and gives professional recognition often valuable after graduation.

RELIGIOUS ORGANIZATIONS

Every student at Southern has an opportunity to find his "church away from home." Many denominational groups have formed student religious foundations. Foundations close to campus provide space for relaxation, meetings, and religious services. All recognized groups send representatives to the Interfaith Council, which plans such activities as Religion-in-Life Week.

SERVICE ORGANIZATIONS

Southern's chapter of Alpha Phi Omega for men and the Girls' Rally organization for women, offer an opportunity for students to share in planning and providing many services for the campus during the school year. One such service is the publication by Girls' Rally of an annual calendar of events.

UNIVERSITY CENTER STUDENT PROGRAMMING BOARD

This board plans and executes educational, social, and recreational programming sponsored and co-sponsored by the five standing committees of the University Center: educational and cultural, special events, displays and publicity, dance, and small group activities. The groups assist in the development of a well-rounded social and cultural weekend program for the campus.

SPECIAL INTEREST GROUPS

Groups organized to bring together those individuals with similar interests provide opportunities to develop these interests and in some cases to represent the University in competitive meets or in other programs involving intercollegiate groups. Among the several groups in which students are encouraged to participate are debate teams, which represent the University in intercollegiate competition; the Southern Players for students with dramatic interests; and opera workshops, symphony orchestras, and

bands for those students with musical talent and interests. Other special interest groups include the AF ROTC Honor Guard, Rifle Team, and Angel Flight, an interest group for women. In addition, the Department of Recreation and Outdoor Education has a year-round recreational program of a varied nature. Hobby groups, such as the Chess Club, are organized in the University Center and in many of the living centers.

SPECIAL EVENTS

Many special events are planned and carried out by student steering committees. Chairmen of these events are elected in an all-campus election or appointed by the president of the Student Council. These chairmen, in turn, appoint chairmen of various committees for the events, and the committee chairmen comprise the steering committees. These events include New Student Week, Freshman Leadership Camp, High School Guest Day, Parents' Day, Homecoming, Spring Officers' Leadership Camp, Greek Week, Spring Festival, Miniature United Nations Assembly, and Student Values Week.

Outstanding weekend events are Homecoming in the fall, the Military Ball and the Theta Xi All-School Variety Show in the winter, and Spring Festival in May.

LEADERSHIP TRAINING

Special emphasis is placed on giving students opportunities to learn how they can best contribute to the well-being of others and to learn the importance of worth-while interpersonal relationships. In the fall a special leadership camp is held for entering students, and in the spring a special camp is held for officers of campus organizations. In addition many of the groups conduct their own workshops to discuss their own interests and needs and to develop leadership.

Edwardsville Campuses

The Edwardsville campuses encourage a broad student-activity program with opportunities for all students to participate. A number of organizations augment the student's educational experiences by assisting him in learning how to plan and how to carry out responsibilities, how to work with others, how to make wise use of leisure time, and how to develop leadership.

STUDENT GOVERNMENT

Student Councils are also organized at the Alton campus and at the East St. Louis campus, respectively. These Student Councils are the official organizations designated to represent students in student welfare, student

activities, student participation in university affairs, and student participation in university planning and administration. Each council consists of the student body president, vice-president, and sixteen members elected from the four classes.

The Social Senate or Social Committee is responsible for the social activity program of each campus. The group is a standing committee of the Student Council.

The Student Union Board or Student Center Committee is responsible for the scheduling of a program of activities in the Student Union or Student Center.

SPECIAL INTEREST GROUPS

Several groups are organized on campus to provide for the various intellectual, social, and physical needs of the student body. Students outstanding in academic achievement may be eligible to join honorary and professional organizations. Service organizations such as Alpha Phi Omega for men and Gamma Sigma Sigma for girls provide an opportunity for students to serve the University and their fellow students through their several projects. Divisional clubs or organizations give students opportunities to become better acquainted with others of similar interests. The History Club, the Commerce Club, the Music Educator's National Conference, the Student National Education Association, the Geography Club, and the Women's Recreation Association are examples of these divisional groups. Religious organizations are a means of finding similarities of interest and fellowship.

SPECIAL EVENTS

University events are planned each year by student committees which are selected or appointed by authorization of the Student Councils. These special events include New Student Orientation, Homecoming Week, Christmas Dance, Leadership Day, Spring Festival, and Variety Show.

Opportunities are provided throughout each year for training in leadership through participation in special events and planning programs for the benefit of others.

CO-ORDINATED SERVICES TO DISABLED STUDENTS

Southern Illinois University has made it possible for persons with severe physical disabilities to receive a higher education. Through the Office of Student Affairs, a co-ordinated program of special services is available to all disabled students. Its purpose is to assist the individual student in his personal, vocational, and social adjustment and development. Coun-

selors are available for discussion of problems and needs, interests, and abilities in these areas. In addition, the Carbondale campus has been modified to allow the disabled student independently to engage in all university functions. A part-time co-ordinator, who serves as a consultant to other departments, arranges the services of the University to meet the special needs of disabled students.

HOUSING

Co-ordinator of Housing, J. Albin Yokie, M.S. (Montana State)	1959
Assistant Co-ordinator of Housing, Guy J. Moore, B.S. (Southern Illinois)	1957
Assistant to the Co-ordinator of Housing, Faiz R. Daqqaq, M.S. (Southern Illinois)	1959
Supervisor of Food Services, Christina R. Richart, B.S. (James Millikin)	1953
Supervisor of Married Housing, Lester W. Sommers, B.S. (Southern Illinois)	1959
Supervisor of Physical Facilities, George F. Connell, B.S. (Southern Illinois)	1959
Assistant Supervisor, Off-Campus Housing, Anita B. Kuo, M.S. (California)	1959-61
Assistant Supervisor, Group Housing, Martha Jean Rasche	1959-61
Resident Adviser (Delta Chi) Pearl George	1960-61
Resident Adviser (Sigma Kappa) Frances Cross	1960-61
Resident Adviser (Delta Zeta) Grace Terry	1960-61
Resident Adviser (Alpha Gamma Delta) Margaret Coleman	1960-61
Resident Adviser (Sigma Pi) Ida Mae Bell, A.B. (Washburn)	1960-61
Resident Adviser (Tau Kappa Epsilon) Thomas E. Cassidy, M.A. (Notre Dame)	1960-61
Resident Adviser (Sigma Sigma Sigma) Kate Troupa	1960-61
Resident Adviser (Phi Sigma Kappa) Margaret White	1960-61
Resident Adviser (Theta Xi) Bertha M. Scott	1960-61
Head Resident of Thompson Point Residence Halls, John C. Pyper, M.A. (Michigan)	1960-61
Assistant Supervisor Marian E. Thrailkill, M.S. (Illinois)	1960-61
Resident Counselor (Felts Hall) Richard M. Wigley, M.A. (Southern Illinois)	1960-61
Resident Counselor (Bailey Hall) Raymond L. Foster, M.A. (Missouri)	1957

Resident Counselor (Pierce Hall) John McCall, Ph.D. (Florida State)	1957-61
Resident Counselor (Brown Hall) Carl L. Schweinfurth, M.A. (Florida)	1959-61
Resident Counselor (Bowyer Hall) Louis Sirois, M.A. (Denver)	1960
Resident Counselor (Steagall Hall) Margaret Mullikin, M.A. (Wichita)	1960-61
Head Resident (Woody Hall) Sandra Lutz, M.S. in Ed. (Southern Illinois)	1960-61
Head Resident (Southern Acres Residence Halls) Arthur E. Carlisle, B.S. (Southern Illinois)	1959-61

Carbondale Campuses

In the housing of students at Carbondale, the University is responsible for developing and operating university facilities to provide excellent food, comfortable and usable study and sleeping facilities, and adequate counseling and referral services. It also encourages private agencies to meet these same standards. But beyond that, Southern Illinois University is experimenting with ways to fuse the experiences of living with the learning that must go on in higher education. Thus, students who are practicing and carrying out self-government can learn the meaning of democratic ethics.

Assignments to university residences are made on a chronological basis. This is to say all assignments are made on a first-come, first-served basis. The exception to this is that a few spaces are reserved for some students from other countries and students receiving rehabilitation aid. Further, it is the policy of the University to reserve forty per cent of available spaces in the residence halls for new freshmen. However, these spaces for freshmen are in turn filled on a first-come, first-served basis. Applications for housing for the 1962-63 school year will be accepted after October 1, 1961.

Contracts for residents in all residence units will not be issued until the student is admitted to the University by the Admissions Office. It is also to be understood that admission to the University does in no way guarantee housing.

The rates charged by the University for the various housing units are established on the basis of current costs, and a sincere effort is made to keep these costs at a minimum. Nevertheless, all rates for university housing are subject to change from time to time upon a reappraisal of the cost structure and approval by the Board of Trustees.

UNIVERSITY HOUSING FOR UNMARRIED STUDENTS

Thompson Point Halls—At present six residence halls comprise the Thomp-

son Point Residence Area. Each of these permanent halls houses 122 students. Four of the halls house men, and two house women. Meal service is available in Lentz Hall, which is located in the Thompson Point residential area. Five additional buildings are under construction.

Dowdell Halls—These are temporary buildings for 209 men, with food service available at Woody Hall and Lentz Hall on a contract basis.

Illinois Avenue Halls—This facility is a temporary structure for 52 men. Food service is available at Woody Hall and Lentz Hall on a contract basis.

Woody Hall—This permanent facility is used to house 422 women, and food service is available within this hall.

Group Housing—At present the University provides four houses for sororities and five houses for fraternities in the group housing area. These units are owned and administered by the University. Six additional buildings are under construction.

Southern Acres Halls—Two men's residence halls, housing a total of 267 men, are located at Southern Acres, ten miles east of Carbondale. This temporary residential facility is designed primarily for those students who are enrolled in the division of Technical and Adult Education. Food service is available within this residence area.

Co-operatives—Presently two areas have facilities for co-operative housing. There are apartments for men and women in the Chautauqua and Southern Acres areas. These apartments are designed for students who wish to do their own preparation of meals and janitorial maintenance.

UNIVERSITY HOUSING FOR MARRIED STUDENTS

Southern Hills Apartments—These facilities provide permanent buildings to house a number of married students. Three types of apartments are available in this area: two bedroom, one bedroom, and efficiency units. All Southern Hills Apartments are furnished.

Southern Acres Apartments—The residence facilities of this area are located on the Southern Acres campus ten miles east of Carbondale. These units are composed of temporary buildings, and the apartments range from one- to three-bedroom units. All Southern Acres Apartments are unfurnished.

Chautauqua Street Apartments—A very limited number of unfurnished apartments may be available in this area which is adjacent to the campus.

Trailer Court—This area is designed for the rental of trailer spaces. Besides the rent, charges are made for laundry facilities, heat, and electricity. This residential area is located adjacent to the Southern Hills Apartment Area.

OFF-CAMPUS HOUSING

The University attempts to provide information concerning off-campus housing facilities. Lists of vacancies for single and married students inter-

ested in off-campus housing are available in the Housing Center. Such listed vacancies are classified as both approved and nonapproved university housing. Those facilities that are approved by the University meet minimum sanitation and safety standards. Signed contracts with householders are often required. It is suggested that renting by mail may not prove satisfactory.

Few housing areas off-campus offer meals, so that eating must be done in cafeterias or restaurants on or off campus. Among the listings of off-campus facilities available in the Housing Center are those of organized houses which elect officers and carry on group activities.

LIVING GROUP COUNCILS

Each organized living center has student officers who, with the group, plan and execute activities. In addition, each living center sends student representatives to student governing and programming councils. These groups include the University's residence halls, the off-campus living centers, nine fraternities, and five sororities.

FINANCIAL CONSIDERATIONS

Costs are subject, of necessity, to change without notice. Present yearly rates for university housing vary from \$666.00 for permanent residence halls to room only charges of \$228.00 for group housing, and \$135.00 to \$162.00 for temporary housing, depending on room and area.

Family housing rates vary from \$75.00 per month plus utilities in the two-bedroom apartments, through \$36.50 to \$46.50 for temporary units to \$19.00 plus utilities for a trailer space.

Off-campus yearly rates vary from \$175.00 to \$275.00 depending on size, distance from campus, number of roommates, number of privileges (such as cooking), and other factors.

Information concerning campus residence halls and off-campus living facilities may be secured from Student Housing Service, Southern Illinois University, Carbondale, Illinois.

Edwardsville Campuses

The University neither approves nor authorizes housing for the Alton and East St. Louis students. The Office of Student Affairs maintains a listing of rooms, apartments, and houses for rent or for sale. This list is maintained for the convenience of faculty members and students. All arrangements for housing and all business transactions in the matter of housing are the sole responsibility of the student and the owner of the housing facility.

University Services

AREA SERVICES DIVISION

Director William J. Tudor, Ph.D. (Iowa State)	1948
Assistant Director Rex D. Karnes, M.A. (Southern Illinois)	1955
Associate Professor Donald G. Hileman, Ph.D. (Illinois)	1955

As the only fully accredited institution of higher learning in the southern counties of Illinois, Southern Illinois University has special obligations to its region and therefore attempts to make its facilities available to various community, county, and regional groups. This work is carried on through the Area Services Division and its affiliated offices (the Alumni Office, the Broadcasting Service, the Community Development Service, the Information Service, the Photographic Service, and the Placement Service).

Meetings and conferences on the Carbondale campus under the sponsorship of responsible off-campus organizations and groups are arranged through the Area Services Division. In addition, the division arranges to take out into the communities of the area various programs, activities, and resources of the University which may be useful to the citizens of Southern Illinois.

The Area Services Division is not, however, to be confused with the divisions of Extension and Technical and Adult Education, which conduct the off-campus instructional activities of Southern Illinois University.

For information concerning the Area Services Division, address the Director, Area Services Division, Southern Illinois University, Carbondale, Illinois.

ALUMNI OFFICE

Director John Robert Odaniell, B.S. in Ed. (Southern Illinois)	1951
Field Representative Jacob William King, B.S. (Southern Illinois)	1955

Field Representative William F. Price, LL.D. (De Paul)	1960
Field Representative Warren Stookey, B.A. (Southern Illinois)	1961
Assistant Supervisor Jane M. Becker, B.S. (Missouri)	1959-60
Assistant Supervisor Jean England	1960

The Alumni Office keeps address and personal-information files and serves as the headquarters for the Alumni Association. The association is the general organization of the graduates and former students of Southern Illinois University, regardless of the campus or agency from which they received their instruction.

Any person who has attended Southern for as much as one quarter is eligible for membership in the association. Annual dues are \$4.00 for an individual or \$5.00 for a family if both are alumni of Southern. Life membership can be obtained for \$100 for an individual or \$125 for a family. Life membership dues can be paid in ten annual installments if desired. The *Southern Alumnus*, news bulletin and magazine editions, is published by the Alumni Office. The magazine is published for the dues-paying members of the association; the news bulletin is sent to all alumni.

In addition to the general association, there are local alumni clubs in Illinois and throughout the nation. These clubs serve as a nucleus to renew memories of and loyalties to the Alma Mater, to keep abreast with the progress and development of the University, and to join with the Alumni Association and its programs in a continuous effort to promote the advancement, usefulness, and prestige of Southern.

For information, address the Director, Alumni Office, Southern Illinois University, Carbondale, Illinois.

BROADCASTING SERVICE

Director Buren C. Robbins, M.A. (Iowa)	1950
Instructor Richard M. Uray, M.A. (Kent State)	1958
Lecturer Clifton T. Holman, B.S. (Boston)	1959-61
Lecturer William R. Mofield, M.A. (Columbia)	1959
Lecturer Ernest Walter Richter, M.A. (Michigan State)	1961
Lecturer Frederick O. Criminger, Jr., B.S. in Ed. (Southern Illinois)	1960-61

The University operates WSIU-FM, which makes programs available to a distance of seventy-five miles from Carbondale. The programs utilize the talents of students, faculty members, and other citizens of the area. They are designed for education, serial, and entertainment and are originated from complete and professionally equipped studios. Some programs are rebroadcasted over other stations.

The Broadcasting Service also supervises the regular presentation of the University's educational and service programs on area television stations.

COMMUNITY DEVELOPMENT SERVICE

Director Robert Edward Knittel, B.J. (Missouri)	1956
Co-ordinator Gene H. Graves, B.S. (Southern Illinois)	1959
Assistant Professor George Stabler, Ph.D. (Michigan State)	1960
Community Consultant James Burrell Aiken, M.S. in Ed. (Southern Illinois)	1956
Community Consultant Louis A. Bobka, M.S. in Ed. (Southern Illinois)	1959-60
Community Consultant Boyd Boucher Butler, B.S. (Southern Illinois)	1956
Community Consultant Robert Carlock, B.S. (Illinois)	1960
Community Consultant Robert Chase Child, M.A. (Southern Illinois)	1956
Community Consultant George L. Criminger, M.S. in Ed. (Southern Illinois)	1958
Community Consultant E. Frederick List, M.A. in Ed. (Washington University)	1957
Community Consultant Merton Stanton Redick, M.A. (Stetson)	1960-61
Community Consultant Frank H. Sehnert, B.S. (New Hampshire)	1955
Community Consultant Lila B. Teer, B.S. (Illinois)	1958-60
Community Consultant Henry Byrd Voges, B.S. (Washington University)	1959
Community Consultant Braxton B. Williams, B.S. (Southern Illinois)	1957

The Community Development Service has as its objectives the stabilization and enrichment of life in the small communities as well as in the large centers of the area. It attempts to make available to the people of the area within the context of their own communities and occupations the University's resources in social and economic knowledge and its leadership in the cultural and community arts.

To these ends it sets up projects designed to explore the specific problems of the communities and to train local leaders to be able in some measure to meet them.

The Community Development Service also invites to the University leaders in various fields in the communities of the area; and through small conferences and large conventions, as well as various other media, it attempts to bring into closer association the best thinking both of the area and of the University.

The Area Services Division maintains at East St. Louis a Community Development Office with a field director to aid in bringing about the full development of the human resources and natural wealth of the region.

INFORMATION SERVICE

Director William H. Lyons, M.A. (Colorado)	1951
Assistant Director Edmund C. Hasse, M.A. (Southern Illinois)	1953
Associate Professor Raymond J. Spahn, Ph.D. (Northwestern)	1957
Instructor John W. Allen, Emeritus (1956)	1942
Assistant Supervisor Charles H. Cox, B.S. (Illinois)	1961
Division Chief Robert W. Stokes	1959

The Information Service is the official news agency of the University. It was established to serve both the students and the University through the dissemination of news and items of general interest to newspapers, magazines, and radio and television stations. Primary purpose of the service is to keep the people of Illinois informed of the activities of the University and to make known the achievements of the students and staff.

There is also a branch of the University's Information Service at the Edwardsville campuses, the primary purpose of which is to keep the people of Illinois informed of the activities of the University and to make known the achievements of its students and staff.

PHOTOGRAPHIC SERVICE

The Photographic Service at Carbondale, an adjunct of the Information Service, is equipped and staffed to serve virtually every photographic need on the campus. Its services, available to all of the University, include news photography; teaching aids such as slides, photocopying, film strips, photomicrography, photostats, ozalid, and motion pictures; exhibits and murals; and identification photos, portraits, and color photography for special use. Some of the facilities of the laboratories are available to university courses in photography.

The Photographic Service at Edwardsville also is an adjunct of Information Service and serves the photographic needs of these campuses.

PLACEMENT SERVICE

Director Roye R. Bryant, Ed.D. (Washington University)	1948
Assistant Director Herall C. Largent, M.S. (Illinois)	1960
Professor Willis G. Cisne, A.M. (Chicago), Emeritus (1945)	1916

Assistant Director Robert B. Vokac, M.B.A. (Michigan)	1957
Supervisor David R. Van Horn, M.S. (Oklahoma State)	1957
Division Chief Jane R. Tierney, A.B. (Illinois)	1950-52; 1954

The Placement Service is maintained for the benefit of students, graduates, and others who have attended the University, and who desire to find employment in the teaching field, in the professions, or in business. It also serves employers by helping them locate personnel.

The facilities of the Placement Service are free to candidates seeking positions, as well as to employers. Each degree candidate is requested to register with the Placement Service during the fall quarter. This co-operation will aid the record-keeping function as well as the placement function of the office. Credentials are sent to prospective employers at the request of either the candidate or the employer.

The Placement Service is a member of the National Institutional Teacher Placement Association, the Illinois Institutional Teacher Placement Association, the Midwest College Placement Association, and the Association of School and College Placement.

Inquiries should be addressed to the Director, Placement Service, Southern Illinois University, Carbondale, Illinois, or to the Supervisor, Placement Service, Southern Illinois University, Edwardsville, Illinois.

DATA PROCESSING AND COMPUTING CENTER

Director, John W. Hamblen, Ph.D. (Purdue)	1961
Manager of Computing Division (Carbondale)	
William F. Blose, B.S. (Oklahoma State)	1958
Manager of Data Processing Division (Carbondale)	
Phillip J. Cochrane, B.S. (Illinois)	1956
Manager of Data Processing Division (Edwardsville)	
Robert E. Smith, B.S. (Southern Illinois)	1961
Assistant Manager, Computing Division (Carbondale)	
Thomas D. Purcell, M.S. (Southern Illinois)	1961

The University Data Processing and Computing Center was established July 1, 1961, to co-ordinate and expand the functions of the former Computing Center and Statistical Services units. The center is charged with the responsibility for all electronic computing and data processing machine systems within the University. Sufficient machine capacity will be maintained to serve the needs of all administrative, research, and instructional units. The staffs of the data processing divisions serve the

administrative units, primarily, whereas the prime duty of the computing division staff is to assist the researchers who need to make use of the electronic computer. Members of both staffs are involved in instructional programs. It is intended that every student who desires such shall have an opportunity to learn the fundamentals of the operation of electronic digital computers and data processing machines through credit or non-credit instruction.

FILM PRODUCTION

Supervisor Frank R. Paine, B.S. (Iowa State)	1960
Instructor Donald E. Staples, M.A. (Southern California)	1959

The film production unit, located on the Carbondale Campus, is an agency serving the entire University. Its purpose is to assist the various instructional units of the University desiring to participate in the production of educational films.

LECTURES, ENTERTAINMENTS, AND EXHIBITS

Carbondale Campuses

At Southern Illinois University, the general education of the student is advanced not only by the courses required for all degrees but also by a planned program of lectures, concerts, recitals, plays, and exhibits.

In order to establish in students a continuing interest in such matters, a freshman convocation is held each week. Outstanding lecturers, musicians, artists, scientists, explorers, and educators appear before the freshmen to acquaint them with developments in various fields of interest. Attendance is required of all freshmen.

In addition, the Special Meetings Service and the Carbondale Community Concert Association bring to the campus nationally known individuals and groups. Featured during the 1960-61 season were the Branko Krsmanovich Chorus of Yugoslavia, Gary Graffman, pianist, the Festival Quartet, and Yi-Kwei Sze, bass-baritone. All programs are admission free to students with activity tickets. Academic departments also bring to the campus nationally and internationally known experts in their fields for lectures and for conferences and workshops. Henry Steele Commager and Fred Rodell lectured on the campus under the sponsorship of the University Lectures Committee. A symposium on the works of James Joyce and D. H. Lawrence, with Richard Ellmann, Horace Gregory, Frederick Hoffman,

Marvan Magalaner, William York Tindall, and Lionel Trilling on the panel, was held the past year. A lecture series commemorating the work of John Dewey was sponsored by the College of Education. The Department of History celebrated the centennial of the beginning of the Civil War in a series extending from the spring of 1960 to the spring of 1961.

Southern Illinois University each year offers a wide variety of cultural events for the enjoyment of students, faculty, and residents of the Carbondale area. Approximately one hundred recitals and concerts are presented during the academic year, including programs sponsored by the Community Concert Association as well as the series of concerts by faculty and graduate students each Sunday at 4 P.M. Performances of solo and ensemble music and concerts of original compositions by members of the faculty provide a rich musical experience for the students and members of the community. Admission to these programs is free. In addition, such artists and groups as the following have appeared during the past several seasons: Eileen Farrell, Pierette Alarie, Maureen Forrester, singers; Eugene Istomin, Rudolph Firkusny, Grant Johannesen, Johana Harris, pianists; the St. Louis, Minneapolis, and New Orleans symphony orchestras; Carl Weinrich, Virgil Fox, organists; William Kroll, violinist; the Oxford String Quartet and the Eastman String Quartet; the Merce Cunningham Dance Group, the Joffrey Theatre Ballet; the Obernkirchern Children's Choir; Roy Harris, Ingolf Dahl, composers; and Mlle. Nadia Boulanger, composer, conductor, and musicologist.

Each year the University sponsors a Fine Arts Festival in which visiting performers, lectures in the various aspects of the fine arts, exhibits of important art collections, and programs by selected student, faculty, and guest artists are presented as part of an integrated festival. For a copy of the annual Fine Arts Festival brochure write to the Dean, School of Fine Arts, Southern Illinois University, Carbondale, Illinois.

Regular concerts are given by the Southern Illinois Symphony Orchestra, the Symphonic Band, the University Choir, the Madrigal Singers, the Women's Choir, and the Air Force ROTC Band and Choir. The University Opera Workshop presents several full-length performances each year plus programs of operatic excerpts. The University Oratorio Society annually presents two full-length oratorios.

Plays are presented throughout the year, including the summer session, by the Southern Players, an extracurricular dramatics organization sponsored by the Department of Theater. The Southern Players offer to all university students, regardless of academic affiliation, opportunities for participation in every phase of theater art: acting, direction, designing, lighting, stagecraft, and management. The following plays are representative of those produced in recent years: *The Crucible*, *Twelfth Night*,

Picnic, Lady in the Dark, A Streetcar Named Desire, Charley's Aunt, Desire Under the Elms, Romeo and Juliet, Shepherd of the Hills.

The Department of Art presents a year-round program of exhibitions in the Allyn Gallery. Exhibitions are chosen with the intention of providing students and interested public with a continuous experience of viewing and judging significant and representative works of art of contemporary or historical character. Exhibitions are presented from such agencies as the American Federation of Arts, the Smithsonian Institution, the Bertha Schaefer Gallery, and the Museum of Modern Art. Important works of such recognized artists as Picasso, Matisse, Rouault, Toulouse-Lautrec are not infrequently exhibited.

Edwardsville Campuses

Proximity to St. Louis affords students attending the Edwardsville campuses the advantage of cultural opportunities only a large city can offer: symphony concerts, recitals, opera, plays, lectures, an art museum, and a world-famous zoo; as well as professional baseball, basketball, football, and hockey.

Several prominent speakers, consultants, and musical events were brought to the campus during the 1960-61 school year to broaden the intellectual and aesthetic horizon of its students. Among the distinguished speakers were H. C. Thacher of Argonne National Laboratories; Dr. (Col.) George H. Knauf, U.S.A.F., head of the biomedical unit, Cape Canaveral; Wallace Fowlie, literary critic; Guy L. Bond, director, reading clinic, University of Minnesota; Raven I. McDavid, distinguished scholar of American dialect; Samuel Lubell, political analyst; John Logan, editor, *Chicago Choice*; and George Mylanos, head of arts and archeology, Washington University.

Consultants included Edmund Bacon, Philadelphia city planner; Howard Becker, sociologist, Community Studies, Inc., Kansas City; Earl Bolton, assistant to the president of the University of California; Sybil Moholy-Nagy, design historian; Hideo Sasaki, Harvard University landscape architect; Paolo Soleri, architect and sculptor; Ernest O. Melby, distinguished professor of education, Michigan State University; Howard McClusky, professor of psychology, University of Michigan; Alonzo Myers, retired head, Department of Higher Education, New York University; Harold Taylor, author and former president of Sarah Lawrence College; John X. Jamrich, center for the study of higher education, Michigan State University; John Dale Russell, director, office of institutional research, New York University; and Francis H. Horn, president, University of Rhode Island.

Presented in recitals were pianists Frina and Kenwyn Boldt, Barton Weber and Kent Warner, and violinist Kyung-Soo Won. The Chorophonic

Society appeared with the St. Louis Symphony Orchestra in two performances of Haydn's *Creation* and also gave two presentations of Handel's *Messiah*. On campus to direct a general clinic for high school clarinetists was Reginald Kell, world-famous English clarinetist, teacher, and conductor. Student recitals, art exhibits, plays, band concerts, and faculty lectures round out the student's cultural experiences.

Students with activity cards may attend programs of the Community Concert series at Alton, East St. Louis, Granite City, and Belleville, and the Alton Civic Orchestra Concert series.

LIBRARIES

Director of University Libraries Ralph E. McCoy, Ph.D. (Illinois) 1955

THE LIBRARY SYSTEM

The university library system consists of four subject libraries (Education, Humanities, Science, and Social Studies), an Audio-Visual Department, and a Textbook Rental Service, all housed in Morris Library. There are also branch libraries in the University School, the Vocational-Technical Institute, and at Little Grassy Camp. The libraries at Alton and East St. Louis are operated from administrative offices in Edwardsville. The work of acquiring and cataloging library materials for the Carbondale campus is performed by the Technical Services Division. Technical processing for the libraries at Alton and East St. Louis is performed at Edwardsville.

GENERAL RESOURCES

The university libraries contain approximately 450,000 volumes (including bound government documents, bound periodicals, and books) plus a collection of some 750,000 maps, a curriculum and textbook collection of more than 5,000 books and 3,000 curriculum guides and courses, an amateur play collection of approximately 1,200 items, a large file of sample tests and a collection of approximately 2,500 long-playing phonograph records. The libraries subscribe to some 3,200 periodicals and to 70 newspapers, some on microfilm. The libraries are depositories for federal and Illinois state printed documents and for the Army Map Service. They also subscribe to United Nations printed documents that are issued in microprint form and to British command papers. The Audio-Visual Department has approximately 3,500 films and filmstrips available for both

on- and off-campus use. A basic collection on American law, including the complete American digest system and the regional reporters, serves the graduate program of the University and provides a regional law library for Southern Illinois.

Carbondale Campuses

Assistant Director Elizabeth O. Stone, M.S. in L.S. (Illinois), Associate Professor	1929-36; 1946
Assistant Director Ferris S. Randall, B.L.S. (Chicago), Assistant Professor	1953

PUBLIC SERVICES

Education Librarian Zella Cundall, B.S. in L.S. (Illinois), Assistant Professor	1946
Assistant Education Librarian Ruth E. Bauner, M.S. (Illinois), Instructor	1956
Assistant Education Librarian Bill V. Isom, M.S. in Ed. (Southern Illinois), Instructor	1957
Humanities Librarian Alan M. Cohn, M.A. (Washington University), Assistant Professor	1955
Assistant Humanities Librarian Grace E. Kite, M.A. (Columbia), Assistant Professor	1941
Assistant Humanities Librarian Earl Tannenbaum, M.A. (Indiana), Assistant Professor	1957
Honorary Curator Harley K. Croessmann, O.D. (Northern Illinois College of Ophthalmology)	1959
Assistant Science Librarian Frank R. Chase, B.S.L.S., (Columbia), Instructor	1959
Assistant Science Librarian Paul L. Fore, M.S. (Iowa), Lecturer	1960
Social Studies Librarian John Clifford, Ph.D. (Iowa), Assistant Professor	1955
Assistant Social Studies Librarian Ruby Kerley, A.M. in L.S. (Michigan), Assistant Professor	1935-42; 1948
Assistant Social Studies Librarian Harold F. Smith, M.A. (Denver), Instructor	1957
Assistant Social Studies Librarian Nina M. Morton, B.S. in L.S. (Illinois), Lecturer	1954-55; 1956-58; 1959-62
Assistant Professor Roy Vail Jordan, M.A. (Wisconsin), Emeritus (1952)	1948
Circulation Librarian Charity H. Greene, M.S. (Illinois), Assistant Professor	1959

Vocational-Technical Institute Librarian Ella Mae Smith,
M.S. in Ed. (Southern Illinois), Lecturer 1958-61

TECHNICAL SERVICES

Catalog Librarian Kent U. Moore, A.M. (Columbia),
Assistant Professor 1952
Assistant Catalog Librarian Golda Hankla, M.A. (Illinois), Instructor 1938
Assistant Catalog Librarian Dorothy E. Heicke, M.A. in L.S.
(Illinois), Assistant Professor 1947
Assistant Catalog Librarian Gisela Heilpern, Ph.D. (Vienna),
Assistant Professor 1958
Assistant Catalog Librarian Annette L. Hoage, M.S.
(Illinois), Assistant Professor 1957
Order Librarian Ralph W. Bushee, M.A. (Illinois), Assistant Professor 1959
Assistant Order Librarian Siegfried Feller, M.A. (Michigan),
Lecturer 1960-61
Assistant Order Librarian John M. Lindsey, LL.B. (Illinois),
Lecturer 1960-61
Serials Librarian Leo R. Rift, M.A. (Denver), Instructor 1958
Assistant Serials Librarian David T. Ray, B.S. in L.S.
(Catholic), Lecturer 1959
Assistant Serials Librarian Mary L. Walker, M.A. (Illinois),
Lecturer 1958-59; 60
Assistant Serials Librarian Helen P. McReynolds, B.S. in Ed.
(Southern Illinois), Lecturer 1959-62

AUDIO-VISUAL SERVICES

Assistant Professor Donald A. Ingli, Ph.D. (Wisconsin) 1947
Assistant Supervisor James E. Sexson, M.S. in Ed. (Eastern Illinois) 1959

REGIONAL LIBRARY

Regional Librarian Harold J. Rath, M.S. (Illinois) 1959
Regional Librarian Marguerite Burns, M.A. (George Peabody) 1958

TEXTBOOK SERVICE

Manager Henry T. Stroman 1956

SPECIAL FACILITIES

Most of the books in the University Libraries are arranged in "open stacks," enabling students and faculty members to browse freely. Morris Library, on the Carbondale campus, provides a lounge for informal study

and for reading current newspapers and periodicals of a general nature. Graduate students have a special study area and locker facilities. Group study areas are also provided in each subject library. A browsing room, furnished informally, contains books of current information in many fields. Individual and group listening rooms permit students and faculty members to use the record collection in the Humanities Library. Preview rooms in the Audio-Visual Department provide for individual and group viewing of films.

Facilities for use of microfilm, microprint, and microcard are also provided in the subject libraries. An exhibit hall in Morris Library enables the libraries to display some of their choice materials. The libraries furnish specially selected collections to the University's dormitories. The staff is prepared to assist patrons in locating special books and other materials, in finding general and specific information on any topic, and in giving instruction in the use of bibliographical tools.

SPECIAL COLLECTIONS

Among the special resources of the University Libraries are the H. K. Croessmann Collection of James Joyce, the Jewell Stevens Collection of American and British literature, the Charles Feinberg Collection of Walt Whitman, and the Clint Clay Tilton Collection of Lincolniana.

The libraries have been enriched in recent years by some 1,200 volumes on folklore from the library of the late Alexander Krappe, and some 4,000 volumes dealing with American social, political, and religious life, contributed in 1957 by the Kern family of Belleville. The libraries are also building a collection of private press books as a result of the beneficence of Charles Feinberg of Detroit.

Special attention has been given in recent years to strengthening the libraries' holdings in those areas offering doctoral work. The libraries are also developing a special collection on the history, geography, and literature relating to the Mississippi Valley. This includes newspapers of Southern Illinois and neighboring states.

The University is one of eighteen members of the Human Relations Area Files, a major source of research findings in the behavioral sciences. The files, housed in the Social Studies Library, consist of more than one and one-half million documents relating to 170 world cultures.

The library's holdings in British and American history and literature have been strengthened greatly by a number of important series in microform: English books printed before 1700, as listed in the *Short-title Catalogue*; American imprints from 1639 to 1800, as listed in Evans' *American Bibliography*; the American Culture series; Three Centuries of English

and American Plays; American periodicals of the 18th and 19th centuries; Thomas Jefferson's personal library; British Sessional Papers, 1731 to 1900; and American consular dispatches.

AUDIO-VISUAL SERVICES

The Audio-Visual Department, located on the Carbondale campus, has two primary functions—on-campus and off-campus services. Campus users are provided with the various types of projection service. Films from Southern's library and many from other sources are provided for campus and extension classes.

The department, as an audio-visual center for Southern Illinois, provides aid to schools and other agencies. This aid includes both consultation service and rental of audio-visual materials, particularly films.

The department has equipment and laboratory facilities for producing educational audio-visual materials and for microfilming books and manuscript materials.

TEXTBOOK SERVICE

As a part of the services of the university libraries, a textbook rental system is operated for the benefit of students. Each quarter students are furnished with the basic textbooks required for their courses. The books are returned at the end of the quarter, but students interested in purchasing any of them for their personal libraries may do so at reduced costs.

ARCHIVES

As a first stage in the development of a Southern Illinois archival collection, the libraries have acquired approximately 1,200 volumes of Southern Illinois newspapers, representing 69 titles from 48 communities. The university libraries also have a small but growing collection of books, maps, manuscripts, and records dealing with Southern Illinois and are interested in acquiring further materials of this nature which will be useful in research in local history.

BIBLIOGRAPHICAL FACILITIES

To assist library patrons in locating books, there is a central card catalog which consists of an author, subject, and sometimes title entry for each book in the University Libraries. In addition, an author and topical (shelf list) catalog is maintained in each subject library. National and book

trade bibliographies, including the printed catalog of the Library of Congress, the British Museum, and the Bibliotheque Nationale, are located in the bibliography room in Morris Library. Periodical indexes and printed bibliographies on various subjects are housed in the subject libraries. The Audio-Visual Department maintains a printed catalog of its films.

REGIONAL LIBRARY CENTER

A regional library center, serving the public libraries of Southern Illinois through consultation and supplementary book service, has been established. The center is operated jointly by the University and the Illinois State Library.

Edwardsville Campuses

Head Librarian John C. Abbott, Ph.D. (Michigan),	
Associate Professor	1960
Assistant Professor Robert E. Dysinger, M.S.L.S.	1961
Bibliographer-Cataloger Eugene Herscher, M.S.	
(Columbia), Assistant Professor	1959
Assistant Librarian Ollie M. Williams, A.B. (Emory), Instructor	1958
Bibliographer-Cataloger Tieh Cheng Chin, M.A.L.S.	
(Washington), Lecturer	1959

Library facilities are provided at Alton and East St. Louis.

Most of the materials in the libraries are arranged in "open stacks" so that the students and faculty members may browse freely. The libraries provide for informal study, for reading current newspapers, periodicals, and reserve materials especially restricted for specific classes and courses. Preview areas are provided for audio-visual materials. Facilities for the use of microfilm, microprint, and microcards are also available. The library staff at each campus is prepared to assist patrons in locating specific materials, in finding general or special information on any topic, and in giving instruction in the use of the library and bibliographical tools.

The libraries at Alton and East St. Louis contain approximately 60,000 volumes, plus a collection of children's literature, phonograph records, curriculum guides, and courses of study; they subscribe to 625 periodicals and to 40 newspapers, including microfilm editions for permanent record; and they act as service agencies for materials available from the Carbondale campus.

BIBLIOGRAPHICAL FACILITIES

Central catalogs of author, subject, and title entries are provided for all books to assist library patrons in locating materials quickly. National

and trade bibliographies, including the catalog of the Library of Congress, are located in the Central Library at Edwardsville. Other trade bibliographies, periodical indexes, and printed bibliographies on various subjects are housed in the libraries at both Alton and East St. Louis.

TEXTBOOK RENTAL SERVICE

A textbook rental system is operated for the benefit of students as a service of the Auxiliary Enterprises. Students are provided with the basic textbooks required for their courses each quarter. The fee for this service is included in the fees paid at the time of registration. The books are returned at the end of the quarter. Students interested in purchasing any of the texts for their personal libraries may do so at a reduced cost.

MUSEUM

Professor John Charles Kelley, Ph.D. (Harvard), Director	1950
Associate Professor Pedro Armillas, Curator of Mesoamerican Archaeology, B.A. (Barcelona)	1960
Associate Professor Carroll L. Riley, Curator of Ethnology, Ph.D. (New Mexico)	1955
Assistant Professor Melvin L. Fowler, Curator of North American Archaeology, Ph.D. (Chicago)	1959
Assistant Professor Esther Bennett, Curator of Educational Services, Ph.D. (Cornell)	1949
Lecturer Ellen Abbott, Curator of Collections, M.A. (Southern Illinois)	1960-62
Research Assistant Russell Peithmann, Curator of Exhibits, M.A. (Southern Illinois)	1956
Research Assistant James W. Porter, Salvage Archaeologist, B.S. (Wisconsin)	1959-61

The Southern Illinois University Museum is located on the ground floor of Altgeld Hall on the Carbondale campus. It is dedicated to research and exhibition in all fields of natural sciences and social studies. The central theme of both research and exhibition is the natural environment and human occupancy of Southern Illinois. Permanent exhibits portray the natural environment and wildlife of the region, together with the various ways of life developed by Indians, pioneer Americans, and modern citizens. Considerable exhibit space is reserved for temporary exhibits which are changed frequently and which cover the entire museum field.

The museum has extensive collections in the field of the natural sciences, including specimens pertaining to such studies as herpetology,

mammalogy, ornithology, paleontology, mineralogy, and botany. In the social studies collections are included several thousand artifacts representative of 19th century life in Southern Illinois, documents of historical interest, and archaeological specimens illustrative of many of the prehistoric Indian cultures of Southern Illinois, northern Mexico, and the southwestern United States. Especially important is the large research collection of archaeological specimens from Mexico, gathered largely through the research work of the museum staff, but including also such lots as the important Zingg Collection from Chihuahua. Supplementing these materials are collections of Mexican medicinal plants, and ethnological specimens from the Tepehuan Indians of northern Mexico.

A new series of temporary exhibits has been developed featuring special changing exhibits illustrating the industries of this region and the part which they play in the development and maintenance of the present day human occupation.

In the field of history, pioneer life is vividly portrayed by a series of miniature dioramas as well as by larger displays which feature pioneer arts and crafts. Other exhibits depict the wildlife of Southern Illinois in natural habitats. In the field of art, the wood carvings of Fred Meyers have attracted much attention. Six of these carvings depict typical Southern Illinois pioneers, while others are replicas of extinct and living animals.

The research program of the museum emphasizes work in zoology, botany, geology, history, and anthropology. One formal museum research project has already carried out several archaeological expeditions in Durango, Mexico, and has sponsored related field work in ethnology, botany, zoology, and geology. A second formal museum research project concentrates on the archaeology of Southern Illinois, in co-operation with the programs of the state and federal highway systems and the National Park Service.

The museum offers a variety of extension services. Museum teaching units and individual specimens are available for loan to Southern Illinois schools and to the University's departments. Plans are being made for the establishment of branch museums in selected Southern Illinois cities. The museum has a co-operative exhibit program involving the preparation of departmental displays in cases adjoining the classrooms of other university academic departments. Museum staff members are available for public or classroom lectures in their respective fields. The museum, as a repository for specimens and collections in the natural sciences and social studies, invites donations of specimens and collections; long-term loans of such materials will be gratefully accepted. Irreplaceable scientific and historical specimens will be given proper treatment and storage in the museum to assure their preservation as well as to make them accessible to the people of this region.

The museum is open to visitors from 8:30 A.M. to 4:30 P.M. on week-days, on Saturdays from 9:00 A.M. until noon, and on Sundays from 2:30 P.M. to 4:30 P.M. Special hours may be arranged. Conducted tours of the exhibits may be scheduled for classes and other groups. A newly opened Museum Shop features for sale at nominal prices unusual and educational curios, collector's items, and scientific books for children and adults.

Museum materials are available through loan and traveling exhibits to all agencies of the University.

PHYSICAL PLANT

Director W. A. Howe, M.S. (Illinois)	1949
Assistant Professor William M. Marberry, A.M. (Illinois)	1939

The Physical Plant Office is concerned with the operation and maintenance of the physical plant, including the maintenance and repair of buildings, utilities distribution systems, equipment, and other property; the care of sidewalks, drives, lawns, and shrubbery; the operation of the heating plant and the transportation service; and the maintenance of general safety and sanitary conditions in the buildings and on the grounds.

PRINTING AND PUBLISHING

The University owns and operates one well-equipped printing plant and two publishing agencies—all located on the Carbondale campus.

PRINTING SERVICE

Manager Howard Newton Pepple, M.S. in Ed. (Southern Illinois)	1957
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The Printing Service, located on the Carbondale campus, is equipped and staffed to handle virtually all of the printing needs of the University. Its services are available to all schools, divisions, departments, and offices of the University. In addition to the offset and letterpress printing, art service is available.

A printing and art service is available on the Edwardsville campuses to faculty and staff members and to student organizations.

GENERAL PUBLICATIONS

Co-ordinator Earl E. Parkhill, B.S. (Southern Illinois)	1950
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Assistant Co-ordinator A. B. Mifflin, M.S. (Southern Illinois),
Assistant Instructor

1957

General Publications co-ordinates, supervises, edits, and distributes catalogs, bulletins, brochures, pamphlets, and other publications concerning the University and its programs. Its services are equally available, in whole or in part, to all of the University's functions.

UNIVERSITY PRESS

Director Vernon A. Sternberg, M.A. (Wisconsin),

Assistant Professor

1956

Assistant Professor Sina K. Spiker, Ph.D. (Wisconsin)

1956

Lecturer James E. McSherry, B.A. (Southern Illinois)

1960

Assistant Supervisor Marilyn E. Hails

1959

Assistant Supervisor Walter L. Kent, B.S. (Southern Illinois)

1960

The University Press, located on the Carbondale campus, was established in 1953 to carry out the publishing function of the University. Since 1958, the press has been a member of the Association of American University Presses. Publications of the press include a number of monograph series and an Occasional Publications series, as well as works of scholarship of more general interest. A list of press books may be found in the publishers' *Trade List Annual*.

The press also serves the educational units of the University requiring editorial assistance for their occasional publications.

SYSTEMS AND PROCEDURES

Co-ordinator R. D. Isbell, B.A. (Southern Illinois)

1960

The Systems and Procedures organization seeks the most effective and efficient methods of data collection and communication. Through the study of procedures and functions of various units of the University, it endeavors to eliminate interdepartmental duplication of records and efforts. This organization works with various departments and divisions in the co-ordination and design of systems, making recommendations for improved methods of securing and recording data for processing.

Inquiries should be addressed to the Co-ordinator of Systems and Procedures, Southern Illinois University, Carbondale, Illinois.

UNIVERSITY ARCHITECT

Director Charles M. Pulley, B.S. (Illinois)	1951
Assistant University Architect John D. Randall, B.S. (Illinois Institute of Technology)	1961
Supervisor Carl Edward Bretscher, B.S. (Illinois)	1957
Construction Supervisor Willard C. Hart, B.S. (Illinois)	1950
Associate Professor Herbert Dennis White, Ph.D., Mus.D. (Leipzig)	1957
Landscape Architect John F. H. Lonergan, A.B. (Illinois)	1950
Instructor Richard W. Anschutz, B.S. (Kansas)	1956
Supervisor Harry W. McMurtrie, B.Ed. (Southern Illinois)	1961

The office of the University Architect is located on the Carbondale campus but is concerned with the design and construction of all the University's buildings and with the landscaping of the campuses. The members of the staff are available to advise and instruct students interested in architecture.

Department of Nursing

Professor Virginia H. Harrison, M.S.N.E. (St. Louis), Chairman	1955
Associate Professor Mable G. Burton, M.P.H. (Minnesota)	1959
Assistant Professor Carmin Jimison, M.S. (Western Reserve)	1959
Assistant Professor Mary A. Wyatt, M.S. (Washington University)	1957
Lecturer Kathleen Bellamy, M.S. (Southern Illinois)	1957-59; 1960
Lecturer Edith W. Breniman, M.S. (Washington University)	1960-62
Lecturer Renetta Healy, R.N. (Washington University)	1960-62
Lecturer Kay Holder, B.S. (Southern Illinois)	1960-61
Lecturer Mary Grace Parker, M.S. (Yale)	1960-61
Lecturer Mary L. Perkins, B.S. (Southern Illinois)	1960-61
Lecturer Sophronia Williams, B.S. (Washington University)	1961-62

The Department of Nursing, located on the Carbondale campus, is a separate unit in the University's educational structure, not attached to any school or college.

Two programs, both leading to the Bachelor of Science degree, are offered by the department. The basic professional program is open to qualified high school graduates who wish to become registered professional nurses. This program covers a period of fourteen quarters, or four academic years plus two summers. Students who wish to carry a reduced load or to take additional work in some special area should plan to attend the summer session following the freshman year. They may also prolong their program to five or more years if necessary and desirable in terms of their specific needs.

The supplemental program for registered nurses is open to men and women who are graduates of associate degree or diploma (hospital) schools of nursing and are otherwise eligible for admission to study in the department.

Students in both programs must meet the University's general educational requirements, as well as those established by the department. The major is nursing; no minor is required.

The department conducts institutes and work conferences for practicing nurses and other members of the health team insofar as possible and desirable to meet community needs.

PHILOSOPHY

The faculty believes that nursing includes care of the sick, promotion of health, prevention of disease, and rehabilitation; that the nurse works with other members of the team to achieve optimum health in the local community, the state, and the nation; and that the nurse is most effective when qualified through professional education in an institution whose sole purposes are education, service, and research.

The faculty members are agreed that professional nurses should have a firm foundation in the biological, physical, and social sciences, and that the art and science of nursing are built upon these; they believe that professional education for nursing should assist the student to develop skill in communication, an appreciation of moral, esthetic, and spiritual values, preparation for intelligent citizenship, and the ability to render quality care to patients and their families in any branch of nursing.

The faculty also believes that professional nurses are best developed in a warm and accepting atmosphere where there is a sincere interest in the students and where each is regarded as an important individual.

The faculty assumes responsibility for the quality of its programs, which are planned to help the student gain maturity and judgment, as well as the ability to give nursing care of a high calibre.

PURPOSE AND OBJECTIVES

The purpose of the Department of Nursing is to increase and improve nursing services. It provides general and professional education to enable the practitioner to give skilled nursing service while assisting him to develop in accordance with his own capabilities and interests. In addition to learning to give comprehensive nursing care, the student is guided in developing mature citizenship concepts, understanding of man and his environment, cultural appreciation, and the ability to solve problems.

The department aims:

1. To attract, inform and select young men and women with potential for professional nursing;
2. To offer general and professional education to the end that students may be prepared for safe nursing care under supervision in any field of nursing;

3. To provide a sound background for graduate work leading to a master's or higher degree;
4. To assist students to develop some understanding of self and others, skill in human relations and communications, understanding of democratic principles and practices, and appreciation of moral and cultural values;
5. To provide a favorable climate in which personal growth and development may be fostered;
6. To stimulate and encourage the continued growth of students and faculty in responsibility for their own conduct;
7. To assist students and faculty members to develop powers of critical thinking.

GRANTS AND LOANS

Students in nursing are eligible for university scholarship and activity awards, as described elsewhere in this bulletin.

Through the generosity of several donors, scholarships and prizes are given to outstanding freshmen, sophomore, and senior students in their respective classes. They are paid directly to the students selected by the faculty on the basis of academic achievement, potential for professional nursing, leadership, and financial need.

The Elsie Bain Scholarship in Nursing, donated by the Women's Auxiliary of Holden Hospital, Carbondale, provides tuition and fees for the four-year basic program. The recipient is selected by a joint committee of the auxiliary and the faculty of the department.

The Illinois Department of Public Welfare Educational Grants in Nursing are available to students who are recommended by the chairman. Providing tuition, fees, books, cost of uniforms, and a monthly stipend, these may be used by students in the basic program for four academic years, or thirty-six months. Registered nurses may also apply for such grants. Further information may be obtained from the Department of Public Welfare, Springfield, Illinois, or the office of the Department of Nursing, 130 Home Economics Building, Southern Illinois University, Carbondale, Illinois.

The department administers a small-loan fund established in the memory of Barbara Teske. Loans are usually of a short-term nature, and no interest is charged. Students may also apply for loans from the University at a low interest rate.

A limited number of United States Public Health Service grants providing tuition, fees, dependency allowance, and monthly stipends are available to registered nurses in their senior year of full-time study. Applicants must have had experience in administration, teaching, or super-

vision, or be definitely committed to such a position. No student may receive more than twelve months of governmental assistance under this plan. For further information, or for application blanks, address the Chairman, Department of Nursing, Southern Illinois University, Carbondale, Illinois.

ADVISEMENT AND COUNSELING

Advisement is done in the offices of the faculty members. New students are assigned to an adviser for their first quarter of work; after that, they may elect to continue with the assigned adviser or change to another.

Students are urged to see their advisers at regular intervals, as well as when problems arise.

GRADUATION

Candidates for the Bachelor of Science degree must meet all requirements of the University for graduation. Students completing the basic professional program must pass the state licensing examinations in order to become registered nurses.

ACCREDITATION

The basic program is fully approved by the Illinois Department of Registration and Education.

When, in the opinion of the faculty, the separate programs are eligible for accreditation by the National League for Nursing, it is anticipated that approval will be granted.

BASIC PROFESSIONAL CURRICULUM

Students interested in this program should acquire a strong academic background in high school. At least three units of English, two or more of mathematics, and one or more each of biology, chemistry, and social studies should be included. Foreign language is not required, but a knowledge of Latin is helpful. Typing is also advisable.

Students admitted to the University from the lower one-half of their high school class are not admitted directly to Nursing, but may transfer to this department when the required grade average, "C," has been attained. Such students should consult one of the advisers in the Department of Nursing in order to plan their programs and lose as little time as possible in transfer.

Students who have completed part of a diploma or associate degree program may be admitted to this division, but courses may need to be repeated if they are not equivalent to those required by this University.

Any applicant whose placement tests indicate need for additional

preparation in mathematics, reading, or English should plan to take more than fourteen quarters to complete the program. Such students should attend summer school immediately following graduation from high school, to allow time for their remedial work.

Transfer

Beginning courses in the basic professional curriculum may be taken in another accredited college or university if they are of content and quality similar to those required by this University. Some modification of the program may be necessary, and this may lengthen the time required for completion of the program. Students planning to attend another college or university before coming to Southern should follow the prescribed curriculum as closely as possible. An adviser in this department should be consulted if there is any doubt as to the acceptability of the separate courses.

Promotion

Students in nursing are subject to the University's general policies concerning probation.

To be admitted to the sophomore program of classwork and clinical experience, students must have achieved an over-all average of "C." At least a "C" is required in all professional courses. Students must also be recommended by the faculty before such advancement is made.

Sophomores, juniors, and seniors are placed on departmental scholastic probation if they fail to attain a "C" average in any quarter. An average of "C" or better is required in all nursing courses; a grade of "D" or "E" will necessitate repetition of the course. Students who fail to maintain a "C" average for two successive quarters will be dropped from nursing. Such students may be re-admitted when the desired grade average has been attained.

Students are evaluated on the basis of mental and physical health, personality and character traits, academic achievement, and progress toward professional maturity. Any student who, in the judgment of the faculty, does not appear to warrant promotion will be advised to withdraw from the program and seek success in another field or in another type of nursing school. Students who are not promoted to the clinical portion of the curriculum should consult their advisers as to the best possible solution to their problems.

Curriculum

The program of studies is subject to change at the discretion of the faculty if considered desirable in terms of the demands of a changing society.

The program which follows is a typical one and may be modified to meet individual needs.

FRESHMAN YEAR

FALL		WINTER		SPRING	
English 101	3	English 102	3	English 103	3
Chemistry 110	4	Chemistry 240	4	Physiology 300	4
Health Education 100	4	Art or Music	3	Food and Nutrition 103	4
Sociology 101	5	Speech 101	4	Psychology 201	4
Nursing 101	1	Nursing 102	2	Physical Education	1
Physical Education	1	Physical Education	1	Freshman Covocation	0
Freshman Convocation	0	Freshman Convocation	0		
	<hr/>		<hr/>		<hr/>
	18		17		16

SOPHOMORE YEAR

FALL		WINTER		SPRING	
Physiology 209	5	Microbiology 100	5	Literature	3
Nursing 219	4	Nursing 220	2	Soc. Science	5
Nursing 224	2	Nursing 226	4	Nursing 230	4
Mathematics	4	Nursing 226A	2	Nursing 230A	4
Social Science	3	Literature	3	Physical Education	1
		Physical Education	1		
	<hr/>		<hr/>		<hr/>
	18		17		17

SUMMER SESSION

Nursing 240	4
Nursing 240A	4
	<hr/>
	8

JUNIOR YEAR

FALL (U. OF I.)		WINTER (U. OF I.)		SPRING (U. OF I.)	
Nursing 200	3	Nursing 202	4	Nursing 207	4
Nursing 201	6	Nursing 205	4	Nursing 209	8
Nursing 204	6	Nursing 206	4		
		Social Problems 131	5		
	<hr/>		<hr/>		<hr/>
	15		17		12

SUMMER SESSION

Nursing 325	4
Nursing 325A	8
	<hr/>
	12

SENIOR YEAR

FALL		WINTER		SPRING	
Nursing 375	4	Nursing 361	4	Nursing 309	4
Nursing 380	8	Nursing 361A	6	Nursing 354	4
		Government 101	5	Nursing 362	8
		Physical Education	1		
	<hr/>		<hr/>		<hr/>
	12		16		16

The first year is spent in general education and pre-professional courses to prepare the student for the care of patients. During the ensuing three years, instruction and experiences are provided in medical, surgical, obstetric, pediatric, tuberculosis, psychiatric, and public health nursing. Comprehensive nursing experience is offered during the senior year. Instruction and experience in administration are obtained in the final quarter of the program.

Hours of nursing practice vary from six hours a week in the beginning course to twenty-four hours in some of the more advanced hospital experiences. During the psychiatric and public health assignments full time is required; this includes conferences, classes, and supervised or independent practice, for a total of thirty to forty hours weekly.

Junior students spend one academic year at the University of Illinois College of Nursing in Chicago. Application for admission to that university is made during the summer and must be accompanied by health record, recommendation from the chairman, and transcript of credits.

Co-operating Hospitals and Agencies

Sophomore and senior clinical experiences are obtained at Doctors' Hospital, Carbondale. At the present time the facilities of Anna State Hospital are used for psychiatric nursing, while public health field experience is undertaken at the East Side Health District, East St. Louis, Illinois. The University of Illinois Research and Educational Hospitals are used for obstetric, pediatric, tuberculosis, and advanced medical-surgical nursing.

The Home Economics Child Development Laboratory facilities are utilized during the growth and development course in the sophomore year.

Fees and Other Costs

Students in nursing pay the usual Southern Illinois University fees when they are enrolled therein and the usual University of Illinois fees when they are registered at that institution.

Students may live in university residence halls, at home, with relatives, or in off-campus housing while registered in either Southern Illinois University or the University of Illinois. Information concerning costs at Southern may be found elsewhere in this bulletin. Maintenance in the residence hall in Chicago is presently \$100 per month.

Students are expected to pay their travel expenses to and from hospitals and public health agencies; to provide themselves with uniforms, and with dark sweaters, skirts, and coats for the public health experience; and to pay for their own maintenance.

Students may drive their own cars during the public health experi-

ence; mileage on duty is reimbursed by the agency. Adequate insurance coverage is required, and cars must be registered with the University.

SUPPLEMENTAL PROGRAM FOR REGISTERED NURSES

This program is designed to assist nurses in developing competencies essential for the new roles of professional practitioners today and for preparing for specialization on the graduate level.

Applicants for admission should be in good physical condition, have graduated from a state-accredited school of nursing, and be licensed to practice in some state or territory of the United States or foreign country. They are required to write the National League for Nursing Graduate Nurse Examination, Plan C, either before admission or during the first quarter they are enrolled as full-time students at the University. Students who are attempting to meet degree requirements through part-time study must write the examination upon completion of their first sixteen quarter hours. Application cards, signed by the chairman, may be obtained in the departmental office, 130 Home Economics Building, Southern Illinois University, Carbondale, Illinois.

Evidence of license to practice must be submitted, as well as transcripts of credit from high school, school of nursing, and any college or university previously attended.

Students who have attended another college or university and whose average grade is less than 3.0 (C) will not be admitted directly to nursing, but may be transferred to this department when the required average has been attained.

The amount of credit allowed for the diploma or associate degree program is determined on an individual basis. Among the factors to be considered are the level of achievement during the student's first quarter of work at the University, the record made in previous post-high-school education, and the length of time since graduation from the school of nursing. The maximum amount of credit which may be granted is sixty-four hours.

The program may be completed in two and one-quarter years if the student carries a normal 16-hour load and if maximum credit is allowed.

Employment may be obtained in general or special hospitals in Carbondale or surrounding towns or in the University Health Service. The amount of part-time work may be restricted, or the student may be asked to take a limited program in the University unless grades are kept at a satisfactory level. University policies concerning student employment may be found in this bulletin.

Students are required to acquire an over-all average grade of at least 3.0 (C) and to make a "C" or better in all courses in nursing. Students

failing to perform at this level will be dropped from enrollment in the department, but they may be re-admitted when the required average has been reached. Nursing courses in which a grade of "D" or lower has been made must be repeated.

Fees for students in this program are the same as for any other student in residence. Uniforms must be provided by the student both for the hospital and the public health experience. For the latter, navy blue or black sweaters and skirts, white blouses, dark shoes, and topcoat may be worn. Students taking public health experience in a county agency will be required to have cars and must be covered by adequate insurance protection. Mileage on duty will be reimbursed by the agency.

Candidates are advised to complete the general education courses before embarking upon their major studies.

In addition to the University's general studies requirements, the following must be completed with satisfactory grades: Nursing 305, 309, 310, 311, 312, 375, 380, 385, 386; Health Education 355; Psychology 201 and one upper-division course in psychology; Speech 101; one upper-division course in sociology; one upper-division course in physiology or microbiology (Physiology 300, 315, 316, 317, or Microbiology 301, 325, 326).

COURSE DESCRIPTIONS

- 101-1. INTRODUCTION TO NURSING I. An orientation to the philosophy and functions of nursing in contemporary society.
- 102-2. INTRODUCTION TO NURSING II. Continuation of Nursing 101.
- 219-4. GROWTH AND DEVELOPMENT OF THE INDIVIDUAL I. Physical, social, emotional, intellectual and spiritual development of the normal individual from birth through adolescence. Prerequisites: Food and Nutrition 103, Psychology 201.
- 220-2. GROWTH AND DEVELOPMENT OF THE INDIVIDUAL II. Continuation of 219. Young adult through senescence. Prerequisite: Nursing 219.
- 224-2. FOUNDATIONS OF PATIENT CARE. Application of selected principles of biological, physical, social and medical sciences as they contribute to patient care. Lecture, discussion, laboratory. Prerequisite: Sophomore standing. Majors only.
- 226-4. MEDICAL-SURGICAL NURSING I. Beginning study of general medical and surgical nursing and care of patients with diseases of the gastrointestinal system. Pharmacology, diet therapy, social and preventive aspects are integrated throughout. Prerequisites: Nursing 224, Microbiology 100, preceding or parallel.
- 226A-2. MEDICAL-SURGICAL NURSING I PRACTICUM. Supervised experience correlated with Nursing 226 (6 hours weekly). Prerequisite: same as Nursing 226.
- 230-4. MEDICAL-SURGICAL NURSING II. Nursing care of patients with pathological conditions of the breast and the cardiovascular and res-

- piratory systems (except tuberculosis). Pharmacology, diet therapy, social and preventive aspects are integrated throughout. Prerequisites: Nursing 226 and 226A.
- 230A-4. MEDICAL-SURGICAL NURSING II PRACTICUM. Supervised experience and clinical conferences correlated with Nursing 230 (17 hours weekly). Prerequisites: same as Nursing 230.
- 240-4. MEDICAL-SURGICAL NURSING III. Nursing care of patients with diseases of the eye and ear, the reproductive, urinary, endocrine and integumentary systems. Pharmacology, diet therapy, social and preventive aspects are integrated throughout. Prerequisites: Nursing 230 and 230A.
- 240A-4. MEDICAL-SURGICAL NURSING III PRACTICUM. Supervised experience and clinical conferences correlated with Nursing 240 (26 hours weekly). Prerequisites: same as for Nursing 240.
- 305-4. HISTORY AND PHILOSOPHY OF NURSING. Historical approach to understanding of the broad movements and trends in nursing, and philosophical concepts underlying current developments. Prerequisite: graduate nurse status.
- 309-4. INTRODUCTION TO ADMINISTRATION IN NURSING SERVICES. Principles of administration applied to hospitals and other nursing services. Prerequisite: registered nurses or senior basic professional students only.
- 310-4. NORMAL GROWTH AND DEVELOPMENT. This course aims to increase the graduate nurse's understanding of physical, emotional, mental and social changes normally occurring from birth to old age. Prerequisites: graduate nurse status and General Psychology.
- 311-4. INTERPERSONAL RELATIONSHIPS IN NURSING. A course designed to help the students adapt to changing situations, and to accept and understand themselves and others. Prerequisites: graduate nurse status and General Psychology.
- 312-4. TEACHING IN NURSING. Techniques of teaching applied to patients and families, as well as groups. Prerequisites: graduate nurse status and General Psychology.
- 325-4. PSYCHIATRIC NURSING. Lectures and conferences in the care of the mentally ill. Prerequisite: Senior standing.
- 325A-8. PSYCHIATRIC NURSING PRACTICUM. Supervised experience and clinical conferences correlated with Nursing 325. Prerequisite: same as Nursing 325.
- 354-4. CURRENT DEVELOPMENTS. A study of problems in nursing service and nursing education and what the profession is doing in their solution. Majors only.
- 361-4. COMPREHENSIVE NURSING. Conferences in the nursing care problems of selected patients. Prerequisites: Nursing 375-380.
- 361A-6. COMPREHENSIVE NURSING PRACTICUM. One quarter of assignment to total patient care correlated with Nursing 361 (24 hours weekly). Prerequisite: same as for Nursing 361.
- 362-8. SENIOR NURSING. Supervised experiences and conferences correlated with Nursing 309 (32 hours weekly).
- 375-4. PRINCIPLES OF PUBLIC HEALTH NURSING. Objectives, principles and practices in public health nursing, application of nursing science and art to family and community living. Prerequisites: Senior standing;

Nursing 310, 311, 312, Health Ed. 355 (preceding or concurrent) or consent of Chairman.

- 380-8. PUBLIC HEALTH NURSING PRACTICUM. One quarter's supervised experience in a public health agency conducting a generalized program; includes orientation, demonstrations and conferences. Prerequisite: Nursing 375 (preceding or concurrent); Health Ed. 355, or consent of the Chairman.
- 385-2. GENERAL NURSING. A seminar in comprehensive care in the community and the hospital, in the areas ranging from prevention to rehabilitation. Principles of public health nursing are applied throughout the course. Prerequisites: Nursing 375, 380.
- 386-2 to 6. GENERAL NURSING PRACTICUM. Designed to help the graduate nurse to improve her knowledge, understanding and practice in comprehensive nursing care. Prerequisites: Senior standing and Nursing 385.

Air Force Reserve Officers Training Corps

Colonel George H. Blase, M.A. (Missouri), Professor	1959
Lieutenant Colonel Paul R. McDonald, B.E.D. (Southern Illinois), Assistant Professor	1959
Lieutenant Colonel William H. Rankin, B.A. (Syracuse), Assistant Professor	1959
Major Henry C. Cade, B.A. (Arizona), Assistant Professor	1959
Major Harry Denzel, B.S. (Maryland), Assistant Professor	1960
Major William M. Drennan, M.E.D. (Missouri), Assistant Professor	1960
Major Joseph N. Goodman, Assistant Professor	1959
Major John R. Mancus, Assistant Professor	1960
Major Raymond D. Wiley	1957-61
Captain Wallace K. Andrews, B.S. (Decatur, Illinois), Assistant Professor	1960
Captain Harold L. Maxwell, M.B.E. (Mississippi), Assistant Professor	1960
Captain Gary W. Robbins, B.S. (USMA), Assistant Professor	1958
Captain John J. Voynich, B.S. (Maryland)	1959
Master Sergeant Beavin E. Parson, Instructor	1959-61
Technical Sergeant Fred Tolby, Instructor	1960
Technical Sergeant Jerry S. Witt, Instructor	1959
Staff Sergeant Robert K. Bumgardner, Instructor	1960
Staff Sergeant Robert L. Kuly, Instructor	1958
Airman First Class Armand V. Hanff, Instructor	1960
Airman First Class Walter C. Waggoner, Instructor	1959

The Air Force ROTC Detachment at Southern Illinois University is a (senior division) ROTC unit administered by commissioned officers of

the USAF, assigned by the Department of the Air Force with the approval of the University. These officers are appointed as members of the University's instructional staff. The senior officer is designated as Professor of Air Science and Detachment Commander. Airmen are assigned to assist in practical instruction and administration and to supervise the care of federal property. The University Corps of Cadets consists of all students pursuing AF ROTC training. All AF ROTC cadets retain their civilian status until they are commissioned as United States Air Force Reserve Officers and are ordered to active military service.

The course of study is divided into the basic course, covering the first two years, and the advanced course, covering the junior year, summer training unit, and the senior year in that order. It is designed to provide the fundamental training, both personal and professional, which will best equip a cadet to become a well-rounded junior Air Force officer possessing a high growth potential and also to develop and stimulate a growing desire on his part to enter the Air Force flight training program. The basic course is designed with two additional objectives in mind: first, to interest the cadet in the possibility of continuing in the advanced AF ROTC and ultimately making the Air Force his career; and second, to provide him with "Space Age" citizenship training of long-range value to the Air Force whether he returns to civil life or becomes a member of the USAF. Emphasis is given throughout the courses, both in theory and practice, to outlining the leadership and managerial duties and responsibilities of squadron level officers, to improving oral and written expression, and to learning techniques of the problem-solving process.

In addition to the four-year AF ROTC program offered for academic credit, the Division of Air Science indorses or directly sponsors a number of extracurricular activities. The Arnold Air Society is open to selected cadets of all four years, and is a national professional fraternity. Membership in the Angel Flight, an auxiliary of the Cadet Corps, is open to selected undergraduate women. The Rifle Team, while coached and sponsored by the detachment, is a varsity function. Other activities open to cadets are the Honor Guard, the Band, and the Singing Squadron. Cadets may also compete for numerous trophies and awards available to members of the Cadet Corps.

Three hours of Air Science are required for all entering male students who undertake their first college work by entering Southern Illinois University (Carbondale campus) unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee. Male students who transfer fewer than forty-five hours of acceptable credit from the Edwardsville campuses of Southern Illinois University, from the Vocational-Technical Institute of Southern Illinois University, or from another college or university,

including an accredited junior college, shall be required to take three hours of Air Science unless they are veterans, over twenty-five years of age at the time of entrance, or excused from this requirement by the University Military Policies Committee.

The successful completion of the entire basic course (three academic quarters) and six quarters of Leadership Laboratory, or the equivalent in previous military service, is a prerequisite for graduation. Enrollment in the advanced Air Force ROTC course—which is highly selective—is voluntary.

THE REQUIRED BASIC COURSE

The required basic course for freshmen consists of two hours of classroom instruction during the spring quarter and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

The required basic course for sophomores consists of two hours of classroom instruction during the fall and winter quarters and one hour of Leadership Laboratory each week throughout the fall, winter, and spring quarters.

THE VOLUNTARY ADVANCED COURSE

Qualified students may apply for the advanced Air Force ROTC course. This consists of six quarters of academic work, plus a six-week summer training unit. The object of the advanced course is to qualify students for appointment as second lieutenants in the United States Air Force Reserve.

Selection of students for enrollment will be made by the Professor of Air Science as provided in section 40–47c, National Defense Act, from qualified applicants as follows:

1. Conditions of Service. All advanced course students will be civilians who will be placed under contract with the government. The contract will contain the following provisions:
 - a. The student agrees
 - (1) Unless sooner discharged for the convenience of the government, to complete the advanced course and to attend the summer training unit at the time specified by proper authority.
 - (2) To accept an appointment as second lieutenant, United States Air Force Reserve, if and when tendered.
 - b. The Department of the Air Force agrees to pay the student commutation of subsistence at a daily rate as announced by that department. This rate varies from year to year. The current rate is \$0.90 per day for a maximum period of 209 days.
2. Personal Qualifications.

- a. A student must have completed the basic course or its equivalent in previous service.
 - (1) Students who have had previous training or service may receive credit toward entrance into the advanced course within the following limits. (Individuals excused from the basic military training requirements for reasons other than those listed below are not eligible to apply for the advanced course.)
 - (a) On the basis of previous honorable service in the Air Force, Army, Navy, Marine Corps, or Coast Guard, a cadet may request a waiver of the basic course, or any portion thereof, as a requirement for entrance into the advanced course.
 - (b) For previous training in a senior division ROTC program at another institution, credit will be allowed equivalent to the number of quarters of the course successfully completed.
 - b. In age, the student must not have reached his twenty-fifth birthday at the time of initial enrollment in the advanced course.
 - c. The physical standards prescribed for appointment to the United States Air Force Reserve in AFM 160-1 will apply. Due allowance will be made for physical defects that can be corrected.
 - d. Mental and educational requirements:
 - (1) A satisfactory score for the Air Force Officer Qualification Test will be required.
 - (2) The fact of enrollment in Southern Illinois University and academic "good standing" will be accepted in satisfaction of educational requirements.
 - (3) At the time of acceptance, the applicant must have at least two academic years remaining to complete all prerequisites for graduation from the University; or, if he is a graduate student, he must have a like period of time remaining to complete all work for an advanced degree. In addition, an applicant's academic standing must be in phase with his AF ROTC training.
- 3. All members of the advanced course will receive the following emoluments:
 - a. A monetary allowance in lieu of subsistence, at a value to be announced by the Department of the Air Force, to be paid quarterly during the period of enrollment in the advanced course, except during the period of the summer training. The total period will not exceed 21 months. The allowance is in addition to benefits authorized by the GI Bill of Rights.

- b. An officer-type uniform—cadets will be furnished a uniform on a commutation basis. The uniform remains in the cadet’s possession during his two-year enrollment and becomes his property upon successful completion of the advanced AF ROTC program.
- c. The pay of the first enlisted grade (\$78.00 per month) while at advanced summer training unit and travel pay to and from camp at the rate of \$0.05 per mile.

The advanced course will consist of five hours of instruction per week for a minimum total period of seventy-two weeks.

The program of the advanced course will consist of generalized courses designed to develop those attributes of character, personality, and leadership which are essential to an officer in the USAF, supplemented by practical training in leadership, drill, and exercise of command.

Advanced Air Force ROTC summer training units of four weeks’ duration will be conducted annually at Air Force installations to be designated by the Department of the Air Force.

Students enrolled in the advanced course will be required to complete the summer training program prior to receiving their commission. They will normally attend camp immediately after completing the first-year advanced course.

Students enrolled in the AF ROTC courses at Southern Illinois University receive the following credits:

	Hours
1 hour of credit for each academic quarter of the basic course	3
4 hours of credit for each academic quarter of the advanced course	24
Total hours of credit for the basic and advanced courses	27

All credit received for the AF ROTC courses is allowable toward a bachelor’s degree.

Qualified students may apply for deferment from the draft under the Universal Military Training and Service Act, as amended. Such students will agree to pursue the full four years of Air Science if they sign the AF ROTC Selective Service Agreement.

Air Force ROTC textbooks will be furnished on a loan basis to all AF ROTC students. They remain the property of the federal government and must be properly handled.

Uniforms are furnished to the University by the federal government for the use of the basic AF ROTC students. In case a uniform should become so worn or damaged as to be unfit for wear, the student may be held responsible to the extent determined by proper authority.

All cadets are required to wear the uniform on such days and occasions as directed by the Professor of Air Science.

AIR FORCE ROTC AWARDS

Awards are presented to outstanding cadets at the close of the school year. Details concerning such awards are published at appropriate times on the cadet bulletin board. The following awards will be presented to recipients at an Awards Review held in May of each academic year.

1. The Trustees' Cup. Awarded to the best-drilled unit or squadron of the Cadet Corps; it will have the name of the unit or squadron of the Cadet Corps, the name of the unit or squadron commander, and designation of the winning unit or squadron inscribed on it. The cup will be retained at Southern Illinois University for display in the trophy case.

2. The Colonel's Cup. Awarded to that member of the Southern Illinois University Rifle Team scoring the highest total number of points in all competitive matches during the current year. The name of the winning cadet will be inscribed on the cup. The cup will be retained at Southern Illinois University for display in the trophy case.

3. The Commander's Award. Awarded by the detachment to cadet commanders appointed during the school year. Awarded in recognition of leadership ability as demonstrated in command positions in the cadet corps.

4. Leadership Potential Award. Awarded to the senior cadet who best exemplifies potential leadership ability as judged by airmen of AF ROTC Detachment 205.

5. The Trustees' Award, Senior Student. Awarded to the outstanding cadet in the senior year, based on standing in the University and in AF ROTC, and aptitude for general service.

6. The Trustees' Award, Junior Student. Awarded on the same basis as for senior cadet, except to a junior.

7. The Trustees' Award, Sophomore Student. Awarded on the same basis as for senior cadet, except to a sophomore.

8. The Trustees' Award, Freshman Student. Awarded on the same basis as for senior cadet, except to a freshman.

9. The Trustees' Award, Marksmanship. Awarded to the member of the Rifle Team making the highest score in marksmanship during the current year.

10. Air Force Association Medal, Outstanding Advanced Cadet. Awarded to the Advanced Course cadet making the highest military grades of the year.

11. The Reserve Officers' Association Award, Senior Student. Awarded to the outstanding senior cadet, based on the University and AF ROTC grades for the current year and aptitude for general service.

12. Chicago Tribune Award, Junior Student. Awarded at the end of the first and third quarters of each school year to the outstanding junior cadet, based on the highest grade in the particular military course of the current quarter and aptitude for general service.

13. Chicago Tribune Award, Sophomore Student. Awarded on the same basis as junior cadet, except to a sophomore.

14. Convair Cadet Award, Sophomore Student. Awarded to the outstanding sophomore student applying and selected for the Advanced Cadet Corps.

15. American Legion Auxiliary Awards. National security awards, presented to AF ROTC cadets in recognition of continued outstanding service in the interest of the corps.

16. McDonnell Aviation Award. Awarded to the junior student in AF ROTC showing the greatest enthusiasm and interest by the presentation of a topic on air power.

17. Sons of American Revolution. Awarded to basic cadet with highest over-all academic standing and military aptitude.

18. Distinguished Advanced Cadets. To be designated by the PAS.

19. Distinguished Basic Cadet. To be designated by the PAS.

20. The Egyptian Council, Boy Scouts of America, Award. Awarded to the AF ROTC cadet who, while maintaining academic and military proficiency, has contributed the highest degree of leadership and service to the Boy Scout program.

AIR SCIENCE COURSES

110-1. AIR SCIENCE 1, BASIC. Introduction to AF ROTC; introduction to aviation; air vehicles and principles of flight; elements and potentials of air power; military instruments of national security; professional opportunities in the United States Air Force. Basic military training. 2 hours lecture; 1 hour leadership laboratory.

210-1, 220-1. AIR SCIENCE 2, BASIC. Introduction to Air Science 2; evolution of aerial warfare; elements of aerial warfare; the employment of the air forces; operations in space-problems and possibilities. 2 hours lecture; 1 hour leadership laboratory. Prerequisites: 110, or equivalent with consent of Professor of Air Science.

301-4, 302-4, 303-4. AIR SCIENCE 3, ADVANCED. Introduction to advanced AF ROTC; the Air Force commander and his staff; problem-solving techniques; communications process and Air Force correspondence; military justice system; Air Force base functions; and leadership laboratory. 4 hours lecture; 1 hour leadership laboratory. Prerequisites: 210, 220, or equivalent with consent of Professor of Air Science.

351-4, 352-4, 353-4. AIR SCIENCE 4, ADVANCED. Air navigation; weather; military aspects of world political geography; international relations and the Air Force officer. 4 hours lecture; 1 hour leadership laboratory. Prerequisites: 301, 302, 303, or equivalent with consent of Professor of Air Science.



Appendix

UNIVERSITY ENROLLMENT, 1959-60

	MEN	WOMEN	TOTAL
<i>Summer Session, 1959</i>			
Carbondale Campus	2,171	1,786	3,957
Alton Center	259	236	495
East St. Louis Center	172	162	334
<i>Fall, 1959</i>			
Carbondale Campus	5,296	2,649	7,945
Alton Center	1,342	600	1,942
East St. Louis Center	1,018	489	1,507
<i>Winter, 1959-60</i>			
Carbondale Campus	5,133	2,486	7,619
Alton Center	1,214	517	1,731
East St. Louis Center	899	409	1,308
<i>Spring, 1960</i>			
Carbondale Campus	4,956	2,476	7,432
Alton Center	1,110	499	1,609
East St. Louis Center	838	400	1,238
<i>Total Individuals, Summer, 1959—Spring, 1960</i>			
Carbondale Campus	6,900	3,917	10,817
Alton Center	1,769	887	2,656
East St. Louis Center	1,423	757	2,180
Extension	292	513	805
Carbondale Campus, Centers, and Extension	10,337	6,025	16,362
Individuals, Noncollegiate Grade, in University School	495	425	920
Total Individuals (Duplicates Excluded)	10,832	6,450	17,282
Registrants in Division of Technical and Adult Education Courses (Noncredit)			9,346

DEGREES AND CERTIFICATES AWARDED, JUNE 15, 1960

	MEN	WOMEN	TOTAL
<i>Graduate School</i>			
Doctor of Philosophy Degree	2	0	2
<i>Graduate School</i>			
Certificate of Specialist	0	1	1
<i>Graduate School</i>			
Master of Arts Degree	21	9	30
Master of Fine Arts Degree	0	4	4
Master of Music Degree	0	1	1
Master of Science Degree	15	8	23
Master of Science in Education Degree	53	32	85
TOTAL MASTER'S DEGREES	89	54	143
<i>College of Education</i>			
Bachelor of Music Education Degree	3	6	9
Bachelor of Science in Education Degree	114	186	300
	117	192	309
<i>College of Liberal Arts and Sciences</i>			
Bachelor of Arts Degree	130	13	143
<i>School of Agriculture</i>			
Bachelor of Science in Agriculture Degree ..	55	0	55
<i>School of Applied Science</i>			
Bachelor of Science Degree	32	0	32
<i>School of Business</i>			
Bachelor of Science Degree	89	4	93
<i>School of Communications</i>			
Bachelor of Science Degree	21	3	24
<i>School of Fine Arts</i>			
Bachelor of Arts Degree	11	1	12
Bachelor of Music Degree	1	0	1
	12	1	13
<i>School of Home Economics</i>			
Bachelor of Science Degree	0	14	14

<i>Department of Nursing</i>			
Bachelor of Science Degree	0	5	5
<i>Small Business Institute</i>			
Bachelor of Science Degree	3	0	3
<i>Southwestern Illinois Campus</i>			
Bachelor of Arts Degree	10	3	13
Bachelor of Science Degree	30	2	32
Bachelor of Science in Education Degree	13	10	23
	<hr/> 53	<hr/> 15	<hr/> 68
 TOTAL BACHELOR'S DEGREES	 512	 247	 759
<i>Division of Technical and Adult Education</i>			
Associate in Business Degree	17	16	33
Associate in Technology Degree	90	0	90
	<hr/> 107	<hr/> 16	<hr/> 123
 TOTAL ASSOCIATE DEGREES	 107	 16	 123
<i>Division of Technical and Adult Education</i>			
Certificate in Bookkeeping-Clerical	1	6	7
Certificate in Calculating Machines	1	1	2
Certificate in Cosmetology	0	16	16
Certificate in Practical Nursing	0	7	7
Certificate in Stenographic	0	3	3
Certificate in Welding	6	0	6
	<hr/> 8	<hr/> 33	<hr/> 41
 TOTAL CERTIFICATES	 8	 33	 41

DEGREES AND CERTIFICATES AWARDED, AUGUST 12, 1960

	MEN	WOMEN	TOTAL
<i>Graduate School</i>			
Doctor of Philosophy	6	0	6
<i>Graduate School</i>			
Master of Arts Degree	26	5	31
Master of Music Degree	2	0	2
Master of Music Education Degree	0	2	2
Master of Science in Education Degree	77	42	119
	<hr/> 127	<hr/> 54	<hr/> 181
 TOTAL MASTER'S DEGREES	 127	 54	 181

DEGREES AND CERTIFICATES AWARDED,
AUGUST 12, 1960 (*Continued*)

College of Education

Bachelor of Music Education Degree	3	1	4
Bachelor of Science in Education Degree	52	77	129
	<hr/> 55	<hr/> 78	<hr/> 133

College of Liberal Arts and Sciences

Bachelor of Arts Degree	47	6	53
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School of Agriculture

Bachelor of Science in Agriculture Degree ..	11	0	11
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School of Applied Science

Bachelor of Science Degree	11	0	11
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School of Business

Bachelor of Science Degree	26	1	27
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School of Communications

Bachelor of Science Degree	5	1	6
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School of Fine Arts

Bachelor of Music Degree	0	1	1
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School of Home Economics

Bachelor of Science Degree	0	7	7
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Small Business Institute

Bachelor of Science Degree	2	0	2
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Southwestern Illinois Campus

Bachelor of Arts Degree	10	1	11
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Bachelor of Music Degree	0	1	1
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Bachelor of Science Degree	7	0	7
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Bachelor of Science in Education Degree	2	11	13
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<hr/> 19	<hr/> 13	<hr/> 32
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TOTAL BACHELOR'S DEGREES	<hr/> 176	<hr/> 107	<hr/> 283
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Division of Technical and Adult Education

Associate in Business Degree	8	1	9
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Associate in Technology Degree	8	0	8
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TOTAL ASSOCIATE DEGREES	<hr/> 16	<hr/> 1	<hr/> 17
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Division of Technical and Adult Education

Certificate in Calculating Machines	0	1	1
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Certificate in Cosmetology	0	17	17
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TOTAL CERTIFICATES	<hr/> 0	<hr/> 18	<hr/> 18
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RESIDENCE REGULATIONS

Regulations defining the residence of students for purposes of registration in Southern Illinois University are as follows:

1. Evidence showing the residence of every applicant for admission to the University must be submitted to the Registrar at the time of application for admission, and resident or nonresident fees shall be assessed on the basis of evidence appearing in the Registrar's records.

2. In all cases where the records indicate that the student's home is outside the state of Illinois, the nonresident fee shall be assessed. A student who takes exception to the ruling may file a claim for a refund, but this must be submitted to the Registrar within 10 days of the opening date of the quarter for which the charge was made.

3. In the case of a student who is a minor, the residence of the parent, or if the student has no parent, the guardian of his person, shall govern unless there is proven to have been complete emancipation of the minor from his parents or guardian and he has established residence in the state of Illinois.

4. Any student, adult or minor, whose parents have established a bona fide residence in the state of Illinois will be regarded as a resident for registration purposes; except that an adult student who has established a residence on his own account outside of the state must conform to the terms set forth in regulation 6 to be classified as a resident for registration purposes.

5. A wife is classified as a resident for registration purposes if her husband is a bona fide resident of the state of Illinois preceding and at the time of her registration.

6. An adult student whose parents are deceased or whose parents reside outside the state, to be considered a resident of Illinois for purposes of registration, must be a bona fide resident of the state for three months preceding the beginning of any quarter for which he registers at the University and must present evidence that he is self-sustaining and not under parental control.

7. An adult alien, who has taken out first naturalization papers, may qualify as a resident of the state for purposes of registration in the University if he has lived within the state for at least a period of twelve months next preceding the beginning of any quarter for which he registers at the University, subject to the provisions of rules 4 and 6.

8. Several factors will be considered in the determination of each individual case. Among the factors to be considered will be (a) location of

draft board registration, (b) voting address, if any, (c) the degree of self-support of the student, (d) location of summer or vacation employment.

9. All cases of appeal shall first be referred to the Legal Counsel of the University. An appeal from the Legal Counsel shall be in accordance with University statutes.

Note: In the above regulations an adult student is considered to be a male 21 years of age or more or a female 18 years of age or more.

SUMMARY OF MAJORS

GRADUATE SCHOOL

MAJORS OFFERED:

Accounting	Government*
Agricultural Industries	Guidance and Counseling*
Agricultural Services	Health Education*
Animal Industries	Higher Education*
Anthropology*	History
Art	Home Economics***
Biological Sciences	Industrial Education
Botany*	Instructional Materials
Business	Instructional Supervision
Chemistry**	Inter-American Studies
College Student Personnel	Journalism**
Community Development*	Kindergarten-Primary Education
Design	Latin
Economics*	Management
Educational Administration	Marketing
Educational Administration and	Mathematics
Supervision*	Microbiology*
Elementary Education*	Music
English*	Philosophy**
Forestry	Physical Education*
French	Physical Sciences
Geography**	Physics
Geology	Physiology*
German	Plant Industries

* Doctoral major also is offered in this field.

** Doctoral major will be offered beginning with the 1962 fall quarter.

*** Doctoral major is being prepared.

Psychology*	Spanish
Recreation and Outdoor Education	Special Education
Rehabilitation Administration	Speech*
Rehabilitation Counseling	Speech Correction*
Secondary Education*	Theater
Secretarial and Business Education	Transportation
Social Studies	Zoology*
Sociology*	* Doctoral major also is offered.

INSTITUTES

The institutes listed below offer programs with courses drawn from several departments. Admission to each of these programs must be approved by the director of the institute.

Community Development Institute	Rehabilitation Institute
Labor Institute	Small Business Institute
Latin American Institute	Transportation Institute

COLLEGE OF LIBERAL ARTS AND SCIENCES

MAJORS OFFERED:

Anthropology	Home Economics*
Art*	Inter-American Studies
Biology	Language Arts
Botany	Latin
Chemistry	Mathematics
Economics*	Microbiology
English	Music*
French	Philosophy
General Science	Physics
Geography	Physiology
Geology	Psychology
German	Social Studies
Government	Sociology
Greek	Spanish
Health Science	Speech*
History	Zoology

* Not professional majors.

PREPROFESSIONAL PROGRAMS OFFERED:

Dentistry	(3 or 4 years)	Pharmacy	(2 to 4 years)
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Law	(3 or 4 years)	Physical Therapy	(2 or 3 years)
Medicine	(3 or 4 years)	Public Health	(3 or 4 years)
Medical Technology	(2 or 3 years)	Theology	(2 to 4 years)
Occupational Therapy	(2 or 3 years)	Veterinary Science	(3 or 4 years)

COLLEGE OF EDUCATION

MAJORS FOR THOSE PLANNING TO TEACH IN ELEMENTARY SCHOOL:

Art	Spanish
Elementary Education	Special Education
French	(Mentally Retarded)
German	Special Education
Health Education	(Physically Handicapped)
Kindergarten-Primary Education	Speech Correction
Music	

MAJORS FOR THOSE PLANNING TO TEACH IN HIGH SCHOOL:

Art	Home Economics
Biology	Industrial Education
Botany	Journalism
Business Teacher Education	Language Arts
Chemistry	Mathematics
English	Music
French	Physical Education for Men
General Science	Physical Education for Women
German	Physics
Government	Recreation and Outdoor Education
Greek	Social Studies
Health Education	Spanish
Health and Physical Education	Speech
History	Zoology

SCHOOL OF AGRICULTURE

MAJORS OFFERED:

General Agriculture	Forestry
Agricultural Industries	Plant Industries
Animal Industries	Vocational Agriculture

PREPROFESSIONAL PROGRAM OFFERED:

Veterinary Science (where emphasis on agriculture is desired)

SCHOOL OF BUSINESS

MAJORS OFFERED:

Accounting	Marketing
Economics	Secretarial Studies
Management (General, Financial and Personnel)	

SCHOOL OF COMMUNICATIONS

MAJORS OFFERED:

Journalism	Speech
Photography	Speech Correction
Printing Management	Theater
Radio-Television	

SCHOOL OF FINE ARTS

MAJORS OFFERED:

Art	Music
Design	

SCHOOL OF HOME ECONOMICS

MAJORS OFFERED:

Home Economics (with specialization in apparel design, clothing and textiles merchandising, dietetics, foods in business, home advisers, homemaking institution management, interior decoration, or Smith-Hughes home economics education)

SCHOOL OF TECHNOLOGY

MAJORS OFFERED:

Applied Science	Industrial Supervision
Engineering	Manual Arts Therapy
Industrial Arts	Trades and Industries

DEPARTMENT OF NURSING

MAJOR OFFERED:

Nursing

VOCATIONAL-TECHNICAL INSTITUTE

TWO-YEAR PROGRAMS OFFERED:

Accounting	Building Construction Technology
Co-operative Retailing	Commercial Art
Insurance	Dental Laboratory Technology
Secretarial	Electronics Technology
(Co-operative Medical, Executive, Legal)	Machine Drafting and Design Technology
Architectural Drafting and Design Technology	Machine Tool Technology
Automotive Technology	Printing Technology
	Woodworking Technology

ONE-YEAR PROGRAMS OFFERED:

Bookkeeping-Clerical	Cosmetology
Calculating Machines	Practical Nursing
Stenographic	Welding

EDWARDSVILLE CAMPUSES

BUSINESS DIVISION:

Accounting	Marketing
Economics	Secretarial and Business Education
Management	Small Business Management

EDUCATION DIVISION:

Administration and Supervision	Instructional Materials
Elementary Education	Psychology
Guidance	Secondary Education
Health and Physical Education	Special Education
Industrial Education	

FINE ARTS DIVISION:

Art	Speech and Theater
Music	

HUMANITIES DIVISION:

English	Journalism (minor only)
Foreign Languages	Philosophy (minor only)

SCIENCE AND TECHNOLOGY DIVISION:

Applied Science and Pre-Engineering	Botany
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Chemistry
Mathematics

Physics and Astronomy
Zoology and Physiology

SOCIAL SCIENCES DIVISION:

Geography
Government

History
Sociology and Anthropology

PREPROFESSIONAL PROGRAMS OFFERED:

Agriculture
Engineering
Dentistry
Home Economics
Law

Medicine
Occupational therapy
Pharmacy
Veterinary

ELECTIVE COURSES

Not all of the 192 hours required for a bachelor's degree consists of required courses. A student will find that he has opportunity to take a certain amount of work on an elective basis. The extent of this opportunity will vary, depending upon a student's academic unit and major.

A list of suggested elective courses appears below. This listing has been furnished by the various departments and divisions and consists of courses that a student can consider taking without the necessity of having had certain prerequisites except, perhaps, the departments' general education courses as listed earlier. This listing of elective courses does not include those courses previously listed under the section headed Requirements for the Bachelor's Degree.

These courses are not necessarily taught on every campus every quarter.

ACCOUNTING

- 250-4. ACCOUNTING FUNDAMENTALS. For students who want a general knowledge of accounting, but do not wish to pursue the subject further.
309-2. INCOME TAXES FOR INDIVIDUALS. Federal income tax law as applied to individuals.

AGRICULTURAL INDUSTRIES

- 114-4. INTRODUCTION TO AGRICULTURAL ECONOMICS. Agricultural and national and local economy; distribution and reasons; size and organization of farm business; policies affecting agriculture.

- 303-4. **SURVEYING.** Elementary surveying; use of tape, compass, leveling transit, with practice in making simple maps.

ANIMAL INDUSTRIES

- 105-4. **ANIMAL HUSBANDRY.** Survey of beef cattle, sheep, and hog industries; laboratory work in judging; field trips, approximately \$2.00 per student.
- 125-4. **ELEMENTARY POULTRY PRODUCTION.** Brooding and rearing of chicks, housing, feeding, disease control, flock selection, management and marketing of poultry.
- 231-4. **DAIRY HUSBANDRY.** Introductory work, including selection, herd improvements, milk secretion, manufacture of dairy products.

ANTHROPOLOGY

- 110-4. **THE WAYS OF MANKIND.** A survey of human origins and of human customs throughout the world, from earliest times to the present day. Development of Man as a biological and a cultural being. Relationships and comparisons of Western and non-Western cultures.
- 300-4. **MAN'S PLACE IN NATURE.** Man as a biological being, his relationships to other living things. Human origins and development. Concept of race and the races of mankind. Human genetics and normal human variation.

ART

- 203-2 to 12. **BEGINNING CERAMICS.** First quarter: emphasis on throwing clay objects on potter's wheel, hand building and press molding of decorative and functional containers; decorative uses of clay and glazes, study of line and form. Second quarter: continuing study of throwing forms on the potter's wheel, decorative techniques, using clay and glazes, firing the kiln; study of raw materials of ceramics, glaze making. Third quarter: continuing study of throwing forms on the potter's wheel, calculation of glaze formulas, study of special types of kiln firing; emphasis on creative approach of subject.
- 231-4. **JEWELRY.** Single-term introductory course. Study of basic techniques used in construction of jewelry with an emphasis on a personal and original design experience.
- 345-3. **ART OF THE NINETEENTH CENTURY.** A survey of significant monuments and their meaning in the western world between the French Revolution and late nineteenth-century impressionism.
- 347-3. **ANCIENT ART.** A survey of art history from early Egyptian times to the fall of Rome.

ASTRONOMY

- 201-4. **INTRODUCTION TO ASTRONOMY.** Four recitations a week, together

with frequent evening observations with and without telescope. Should be followed with 202 for a complete course.

BOTANY

- 350-4. PLANTS IN RELATION TO MAN. A study of the basic relationships of plants to the life of man; the history, geography, crop ecology, production, consumption, and uses of plants and plant products of economic importance.

CHEMISTRY

- 111-5. INORGANIC CHEMISTRY. (1 hour credit after 101.) A beginning course (high school chemistry not a prerequisite) for chemistry majors and minors, pre-medical, pre-dental, pre-engineering, pre-veterinary, and dietetic students. Atomic structure, valence, formulas, equations; general properties of gases, liquids, and solids, oxygen, hydrogen, water, solutions, and the halogens. Lecture and laboratory.

CLOTHING AND TEXTILES

- 127-4. CLOTHING SELECTION AND CONSTRUCTION. Fundamentals of clothing construction. Use of commercial patterns in construction of basic garments of wool, cotton, and rayon. Use of short-cut methods.
- 135-3. TEXTILES. Selection of textiles from consumer standpoint. Characteristics of commonly used fibers and fabrics; textile information as a tool in the selection and care of household textiles and clothing.

ECONOMICS

- 206-4. ECONOMIC PRINCIPLES AND PROBLEMS. Prerequisite: 205.
- 307-4. ECONOMIC AND BUSINESS STATISTICS. 3 hours lecture; 2 hours laboratory. Prerequisite: 205. Recommended: Mathematics 106a.
- 317-4. ECONOMIC HISTORY OF THE UNITED STATES. Prerequisite: 205.

EDUCATIONAL ADMINISTRATION AND SUPERVISION

- 100-4. INTRODUCTION TO EDUCATION. An orientation course to enable students to make intelligent decisions about teaching as a career.

ENGLISH

- 301-3. INTRODUCTION TO SEMANTICS. The nature of language, the emotional and intellectual content; breaking down linguistic naïveté, and developing a consciousness of the motives in the use of language.

- 312-3. FOLKLORE. A study of the types of folklore, with wide reading in the field. Students collect and classify examples from local lore.
- 335-4. THE SHORT STORY.
- 356-4. THE NOVEL SINCE 1900. Novelists of various nations. Recommended for students not majoring in English.
- 365-4. SHAKESPEARE. The chief comedies and histories.

FOOD AND NUTRITION

- 105-4. FOODS. Production, marketing, preparation, and service of foods common to family breakfasts and lunches.
- 206-4. FOODS. Units on foods common to family dinners; home preservation of food. Prerequisite: 105, or consent of instructor.
- 336-4. MEAL PLANNING AND SERVING. Principles of food selection and menu making. Selection and use of table appointments. Demonstrations on table setting and service.

FOREIGN LANGUAGES

FOREIGN LANGUAGES

- 140-2. LATIN AND GREEK ELEMENT IN ENGLISH I. Presentation in English contexts of Greek and Latin roots basic in modern technical and scientific vocabulary. No knowledge of the ancient languages required.
- 240-2. LATIN AND GREEK ELEMENT IN ENGLISH II. Similar to 140 but more advanced and introducing medical terms.

GREEK

- 320-3. SURVEY OF GREEK LITERATURE. Discussion of Greek literary works and their influence on later literature. No knowledge of Greek required.
- 330-3. CLASSICAL MYTHOLOGY. Study of the classical myths and their literary value. Open to all students whether they have had the ancient languages or not.

LATIN

- 304-2. PRIVATE LIFE OF THE ROMANS. A course comprising a personal study of the average family; housing, food, and clothing; marriage, education, amusements, slaves, and freedom; means of livelihood; death and burial. Open to all students whether they have had Latin or not.
- 320-3. LATIN LITERATURE IN TRANSLATION. Discussion of Latin literary works and their influence on later literature. No knowledge of Latin required.

FORESTRY

- 361-4. FOREST CONSERVATION. The importance and use of forests, their management and conservation, and public forest policy. For nonagricul-

ture majors. Cannot be used toward major credit in agriculture. Field trips, approximately \$2.00.

GEOGRAPHY

- 310-4. METEOROLOGY. Study of weather, the factors and conditions influencing it, and its importance to man. Emphasis placed upon agriculture, aviation, business, industry, and everyday understanding of weather. Most recent findings in weather science studied. Of value to persons interested in weather bureau service. Prerequisite: 100.
- 313-3. GEOGRAPHY OF ILLINOIS. Acquaints the student with the regional concepts of our state, the distribution of climate, vegetation, soils, land-forms, and mineral resources; interrelates agriculture, manufacturing, industry, and population distribution, interpreted within a regional framework. Prerequisite: 100.
- 315-4. GEOGRAPHY OF EUROPE. An intensive study of regions, with stress on their description, interpretation, and utilization. Emphasis on interdependence of political units. Prerequisite: 100.
- 324-4. RESTORATION AND CONSERVATION OF NATURAL RESOURCES. Survey of major resources of United States with stress on problems of conservation and restoration. Emphasis on water, mineral, forest, grass, soil, wildlife, scenic, and recreational resources. Field trips. Prerequisite: 100, or consent of instructor.

GEOLOGY

- 100-4. PRINCIPLES OF GEOLOGY. A study of earth materials, geologic processes, and earth history. Stress upon the common rocks and minerals, erosional and depositional processes, volcanism, and formation of mountains; development of life forms, and the changing face of the earth; application to understanding the landscape, the search for oil and mineral resources, engineering construction. Laboratory.
- 220-5. PHYSICAL GEOLOGY. A study of the principal minerals and rocks of the earth's crust, emphasizing origin and identification; the physical processes active in producing the surface features of the earth. Laboratory and field trips required.

GOVERNMENT

- 231-5. AMERICAN NATIONAL GOVERNMENT. A survey covering the structure, functions, and principles of national government.
- 305-5. DEVELOPMENT OF THE AMERICAN CONSTITUTION. The evolution of the United States constitutional system. Recommended for pre-law students. Prerequisite: 101 or 231.
- 330-2. ILLINOIS GOVERNMENT. The development and functioning of government in Illinois. Prerequisite: 101 or 231.

HEALTH EDUCATION

- 233-2. **FIRST AID.** Red Cross first aid course as a basis. Emphasis on standard techniques in emergency case. Standard ARC certificate upon completion.
- 311-4. **CHILD DEVELOPMENT.** Physical development of the child, beginning with the study of pregnancy, prenatal and postnatal care, and the physical development of the child from birth to puberty.
- 312-4. **EMOTIONAL HEALTH.** Designed for prospective teachers and parents. Emotional health of the teacher and parent in terms of its influence upon the child in the classroom.
- 325-3. **COMMUNITY HEALTH PROBLEMS.** Methods of water purification; sewage disposal; diseases transmitted by contaminated food, water, and milk; restaurant sanitation and food handling.
- 355-4. **INTRODUCTION TO PUBLIC HEALTH.** An introduction to the federal, state, and local official public health agencies, and to voluntary public health agencies; their organization, administration, functions, and relationship to school and community health programs. Programs emphasized by visits to local and state public health agencies.

HISTORY

- 301-3, 302-3. **HISTORY OF WARFARE.** Survey of the developments in the art of war from the Renaissance to the present.

HOME AND FAMILY

- 227-3. **FAMILY LIVING.** A study of relationships and adjustments in family living, designed largely to help the individual.
- 300-3. **HOME ECONOMICS FOR MEN.** Units dealing with food selection, serving, and table practice; economics of the home; grooming and clothing selection; family relations; personality evaluation. Field trip.
- 324-2. **EQUIPMENT.** Selection, use, and care. Field trips.
- 341-4. **CONSUMER PROBLEMS.** Study of motives of consumption, family income and expenditures, selection of commodities and services, buying and selling practices, and evaluation of consumer aids.

HOME ECONOMICS EDUCATION

- 111-2. **HOME ECONOMICS ORIENTATION.** Surveying professional opportunities in home economics; planning for the development of personal and professional proficiencies.

HUMANITIES

- 301-1. **MAN'S CULTURAL BACKGROUND.** A series of lectures by various

experts pointing up the contributions of literature, art, and philosophy to understanding the modern world.

INDUSTRIAL EDUCATION

- 300-4. **PLASTIC MATERIALS.** Elementary fundamental principles and practices involved in working leather and plastics.

JOURNALISM

- 100-1. **CURRENT EVENTS.** Contemporary events in the modern world and their treatment in the newspaper and periodical press. May not be counted toward the journalism major.
- 101-3, 102-3, **INTRODUCTION TO JOURNALISM I, II.** Development of the newspaper in America; role of the press in modern society.
- 393-3. **PUBLICITY METHODS.** Designed for students who do not plan a career in writing, but desire guidance and practice in writing for newspapers and magazines about their fields of specialization.

MANAGEMENT

- 170-4. **INTRODUCTION TO BUSINESS ADMINISTRATION.** A survey of business, intended to give to the student a general knowledge of the modern business world, a better basis for choosing his specialty, and certain information not covered in the various specialized courses offered.
- 271-4. **BUSINESS WRITING.** Principles and practice in writing typical kinds of business correspondence and reports. Prerequisite: English 103. Ability to pass qualifying test in typewriting.

MARKETING

- 330-5. **PRINCIPLES OF MARKETING.** A general survey course designed to acquaint the student with the entire field of marketing. Consideration given to the underlying economic principles; historical development of distributive systems, channels, agents, institutions, functions, policies and principles.

MICROBIOLOGY

- 100-5. **PRINCIPLES OF MICROBIOLOGY.** Introduction to the fundamental aspects of biology, drawing for examples upon microbial forms. Consideration of morphology; principles of classification; growth and reproduction; heredity, ecology; effects of physical and chemical agents; organisms essential, beneficial, and harmful to man; host-parasite interaction; principles of immunology and epidemiology. Lectures, laboratory, and field trips.

MUSIC

001-1. BAND

002A-1. CHORUS

003-1. ORCHESTRA.

CLASS INSTRUCTION IN THE FOLLOWING AREAS:

010A-1. VIOLIN

020C-1. CLARINET

050B-1. TRUMPET

010B-1. VIOLA

020D-1. BASSOON

050C-1. TROMBONE

010C-1. CELLO

020E-1. SAXAPHONE

050D-1. TUBA

010D-1. STRING BASS

030-1. PERCUSSION

050E-1. BARITONE

020A-1. FLUTE

040-1. PIANO

060-1. VOICE

020B-1. OBOE

050A-1. FRENCH HORN

105-4, 106-4, 107-4. THEORY OF MUSIC. Fundamentals of music in sight singing, ear training, harmony, and keyboard harmony.

307-4. RECREATIONAL MUSIC AND SINGING GAMES. For those interested in the less formal approach to music and for prospective leaders of recreational activities.

330-4, 331-4, 332-4. MUSIC HISTORY AND LITERATURE. Musical thought from the early Greek and Roman periods; development of music in the fifteenth and sixteenth centuries. 331: musical thought in the seventeenth, eighteenth, and early nineteenth centuries (Bach to Wagner). 332: Wagner, the rise of nationalism, late nineteenth- and twentieth-century composers. 331 and 332 may be taken following successful completion of 330.

345-1. MADRIGALS.

346-2 to 12. OPERA WORKSHOP.

NURSING

101-0, 102-2. INTRODUCTION TO NURSING. General introduction to the field. Historical development, philosophy of nursing education and service, the team, functions of nursing, hospitals and other health agencies.

PHILOSOPHY

100-2. SCIENCE AND THE NATURE OF THE WORLD. Introduction to scientific knowledge and its relation to philosophy. Topics drawn from many sciences presented without assuming any prior acquaintance with the sciences: infinity, cause, necessity, nature and the machine, perception, etc.

120-2. PRACTICAL LOGIC I. Introduction to accurate thinking, and the proper use of the resources of language, covering such topics as signs and symbols, definition, metaphor, fallacies, propaganda analysis, implication, and syllogism.

- 121-2. PRACTICAL LOGIC II. Popular but inadequate ways of gathering and summing up information in contrast with the more reliable procedures of common sense and science.
- 140-2. IDEAS OF GOOD AND EVIL. Elementary exploration of human purposes in terms of good, faith and knowledge, human destiny and progress, freedom, democracy.
- 160-2. THE MEANING OF ART. Significance of the arts, developed by considering selected works from architecture, painting, literature, and music.
- 170-3. VALUES IN THE MODERN WORLD. A critical examination of basic moral, religious, aesthetic, and intellectual values of western civilization as these are expressed in selected works of art, music, literature, and philosophy. Attention will be given to alternative value systems and other forces which challenge these values today.
- 302-4. WORLD RELIGIONS. A historical and comparative study of the principal religions of the world. Particular attention is given to such non-Christian faiths as Hinduism, Buddhism, and Islam.
- 386-4. AMERICAN PHILOSOPHY. A survey of American philosophic thought from colonial days to the present, with emphasis on such recent thinkers as Peirce, James, Royce, Dewey, and Santayana.

PHYSICAL EDUCATION—WOMEN

The department recommends courses 100, 120, 204, 205, 208, 216, 222, 228, 239, 254, 255, 315, and 377. Any of these courses may be counted toward the six hours of activity courses required for graduation, but if the six hours have been taken, the above courses may be added as electives.

PHYSICS

See Astronomy.

PHYSIOLOGY

- 209-5. INTRODUCTION TO PHYSIOLOGY. A survey of the functions of the human body. Designed for students in various fields desiring a basic but comprehensive knowledge of human physiology. 3 hour lecture; 4 hour laboratory.
- 300-4. HUMAN ANATOMY. Lectures, demonstrations, and periodic observation of the prosected body. Lectures confined to bones, joints, muscles, and nerves. Designed for majors in physical education and for those wishing an elementary knowledge of human structure.

PLANT INDUSTRIES

- 264-4. GENERAL HORTICULTURE. General principles of plant propagation, vegetable growing, fruit growing, landscape gardening, and floriculture.

ture. Field trips, approximately \$2.00 per student. 3 lectures and one 3-hour laboratory.

- 304-3. **LANDSCAPE GARDENING.** Land selection, landscape design and development for home, farm, and public sites with regard to area adaptation. Field trips, approximately \$2.00 per student.
- 344-4. **GENERAL FLORICULTURE.** Propagation, culture, and uses of flowering plants in the home and garden. Field trips, about \$2.00 per student.

PRINTING AND PHOTOGRAPHY

- 160A-1. **THE PHOTOGRAPHIC PROCESSES.** Lectures and readings in fundamentals of the various methods of photographic reproduction.
- 217B-3 to 4. **GENERAL TYPOGRAPHY.** After brief introductory work in screen and block typography, major portion of course is devoted to study of foundry type, type classifications, use of job cases, hand typesetting, layout, use of illustrations, and proof-pulling.
- 260A-3. **BEGINNING PHOTOGRAPHY.** Picture-taking techniques and dark-room procedures emphasizing the camera in the modern press.
- 341A-3. **CINEMATOGRAPHY I.** The fundamentals of cinematography, basic to further work in any kind of cinema production. Includes study of lenses, camera, lighting, exposure, trick effects, animation, and titles, but main stress is on mastery of principles of pictorial continuity and editing in laboratory exercises.
- 345A-3. **HISTORY OF THE CINEMA.** The development and significance of the cinema from Friese-Green to wide screen. Showings of selected films.

PSYCHOLOGY

- 201-4. **INTRODUCTORY PSYCHOLOGY.** Introduction to the problems and methods of the science of behavior.
- 301-4. **CHILD PSYCHOLOGY.** A study of the biological and psychological development of the child from birth through puberty, and of relevant research methods and results. Prerequisite: 201.

RADIO-TELEVISION

- 161-4. **RADIO-TELEVISION SPEAKING.** Oral and visual speaking techniques for various radio and television speaking situations such as studio announcing, musical and dramatic programs, interviews, etc. Extensive microphone practice. Many recordings. Sound films for television practice performance.
- 251-2. **SURVEY OF BROADCASTING.** Examination of the U.S. system of broadcasting, with emphasis on its history, its structures, economics, network and local station operational structures. The various systems of foreign broadcasting.
- 257-4. **FUNDAMENTALS OF BROADCAST WRITING.** Oral and visual

forms of writing for radio and television. Short continuity forms and commercial presentations.

- 367-3. **RADIO-TELEVISION PRODUCTION SURVEY.** Radio and television production techniques for those individuals not planning a full-time broadcasting career. Uses of production equipment. Production of basic types of programs. Two 1-hour lectures per week and two 2-hour scheduled laboratory periods.

RECREATION AND OUTDOOR EDUCATION

- 310-3. **SOCIAL RECREATION.** Materials and techniques for planning and conducting social activities for groups of varying sizes and ages in the many different social situations.

SCIENCES

- 301-1. **MAN'S PHYSICAL ENVIRONMENT.** A series of lectures by various experts pointing up the contribution of the physical and biological sciences to understanding the modern world.

SECRETARIAL AND BUSINESS EDUCATION

- 102-3. **TYPEWRITING I.** An introductory course in touch typewriting, giving credit only to those students who have had no previous school training in typewriting. Students who have had typewriting in high school should take a placement test. Placement tests are given each quarter at announced times. Course 102 is the first course in a five-course typewriting sequence.
- 105-4. **SHORTHAND I.** An introductory course in Gregg shorthand, giving credit only to those students who have had no previous school training in shorthand. Students who have had shorthand in high school should take a placement test. Placement tests are given each quarter at announced times. Course 105 is the first course in a five-course shorthand sequence.

SOCIAL STUDIES

- 301-1. **MAN IN SOCIETY.** A series of lectures by various experts in social and governmental problems.

SPECIAL EDUCATION

- 200-2. **ORIENTATION TO THE EDUCATION OF EXCEPTIONAL CHILDREN.**

SPEECH

- 101-4. PRINCIPLES OF SPEECH. Development of an understanding of basic principles and proficiency in the skills involved in everyday communication.
- 103-4. ORAL INTERPRETATION. A basic course for speech majors, teachers, preachers, and those interested in the analysis of good literature and the oral communication of the literature to an audience.
- 108-3. SPEECH FOR FOREIGN BORN I. Designed to facilitate the learning of American English. May be substituted by foreign-speaking students for Speech 101.
- 201-2. PARLIAMENTARY LAW. How to conduct a meeting. Study and practice of the rules of parliamentary procedure.
- 202-3. PRINCIPLES OF DISCUSSION. Principles and methods of group discussion. Current problems used as material for discussion.

SPEECH CORRECTION

- 104-4. TRAINING THE SPEAKING VOICE. Designed for those students who desire to improve their voice and articulation.

THEATER

- 106-4. INTRODUCTION TO THE THEATER.
- 111-3, 112-3, 113-3. STAGING TECHNIQUES. Lectures and practical experience in all phases of dramatic production in connection with departmental public presentations. One quarter is prerequisite to all courses numbered over 200.
- 208-1 to 3. DRAMATIC ACTIVITIES. Credit to be earned by participation in public performance.

ZOOLOGY

- 102-5. GENERAL INVERTEBRATE ZOOLOGY. Studies of typical representatives of the various kinds of invertebrate animals. Relationship, structure, and natural history emphasized.
- 303-4. GENERAL ORNITHOLOGY. Recognition of birds and study of their songs, nests, migratory habits, and other behavior. Cost of field trips, \$10.00 to \$25.00 per student. Prerequisite: 100 or its equivalent.
- 314-4. HEREDITY AND EUGENICS. Principles of heredity in relation to animals, including man. (Also given by extension.) Prerequisite: 100 or Botany 101.
- 316-4. INSECT PESTS AND THEIR CONTROL. Principal harmful and beneficial insects and their allies; chemical and biological methods of control.
- 350-4. ECONOMIC ZOOLOGY. Animals in relation to public welfare.

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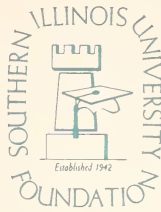
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