

# This Catalog

---

Volume 48, June 2007

This catalog supersedes Volume 46, of the *Southern Illinois University Carbondale Bulletin*.

Graduate School Phone/Web: 618-536-7791, [www.siu.edu/gradschl](http://www.siu.edu/gradschl)

This publication provides information about Southern Illinois University, Carbondale. Primary attention is given to its academic programs, rules and regulations, and procedures. Students will be subject to the published requirements in effect when they are admitted to the Graduate School. Students beginning graduate work during the period of time from the start of summer session 2007 through spring semester 2008 are subject to the academic requirements of the Graduate School as specified in this publication. These requirements may be superseded by future publications of the Graduate Catalog. If the requirements are subsequently changed, students may elect either to meet the requirements in force in their particular degree programs immediately prior to the change, or to meet the new requirements. If they elect the former option they shall be guaranteed a minimum period of time from the date that the program requirements were changed within which minimum period they will be permitted to complete the old degree requirements.

This minimum period shall be determined by the department or other degree-program unit, subject to the following two constraints. first, the minimum period prescribed by the department may not exceed the standard Graduate School limitation that credit applied toward fulfillment of requirements for the master's degree must have been earned within a six-year period preceding the completion of the degree, and that doctoral students must complete degree requirements within five years after admission to candidacy. Second, the minimum period shall encompass no less than two years for master's degree students and three years for doctoral students, with the exception that students in the last stage of their degree work when requirements change (a master's student who has completed all requirements except the thesis or research report and the final examination or a doctoral student who has been admitted to Ph.D. candidacy) shall not be subject to the new requirements but may complete their degrees within the standard Graduate School limitations stated above. Students who elect to follow old requirements, but do not complete their work within the minimum period prescribed by the department, shall, unless they were in the last stage of their degree work when requirements changed, be subject to requirements in force at the time they complete their degrees, and shall be subject to the standard Graduate School limitations described above. The University reserves the right to change information contained herein on matters other than curricular requirements without notice when circumstances warrant such action.

# Affirmative Action Policy

It is the policy of Southern Illinois University Carbondale to provide equal employment and educational opportunities for all qualified persons without regard to race, color, religion, sex, national origin, age, disability, status as a disabled veteran or a veteran of the Vietnam era, sexual orientation, or marital status. The university is committed to the principles of equal employment opportunity and affirmative action and will continue to conduct all personnel actions in accordance with the letter and spirit of applicable state and federal statutes and regulations, including Executive Order 11246 as amended. Personnel actions include, but are not limited to, recruitment, hiring, position assignments, compensation, training, promotion, tenure consideration and award, retention, lay-off, termination, and benefits.

The university recognizes that the barriers of race, color, religion, sex, national origin, age, disability, status as a disabled veteran or a veteran of the Vietnam era, sexual orientation, or marital status of some individuals have resulted in their denial of full participation in all societal functions and is, therefore, committed to taking affirmative steps aimed at overcoming such historical patterns of discrimination in our society. The university's affirmative action program identifies special actions intended to bring such groups into full participation in all aspects of university life. Through its affirmative action program, Southern Illinois University Carbondale is committed to: (1) increased numbers of minorities and females in all aspects of SIUC employment practices with special procedures applicable to those positions determined to be underutilized for minorities and females; (2) cultural and educational diversity in the curricula and environment of the University; (3) removal of barriers to the disabled; and (4) encouraged support of the principles of equal opportunity and affirmative action in an effort to redress the consequences of past societal discrimination and to maintain a positive non-discriminatory educational environment.

The responsibility for coordinating and monitoring compliance with the University's Equal Employment Opportunity/Affirmative Action policies is assigned to the Associate Chancellor (Diversity). Implementing and assuring compliance with this policy is the responsibility of all academic and administrative units. The University's ADA, §504, Title IX and Sexual Harassment coordinator is Dr. Seymour Bryson, Associate Chancellor (Diversity), 110 Anthony Hall, Mail Code 4341, Southern Illinois University Carbondale, 1265 Lincoln Drive, Carbondale, IL 62901. Phone: (618) 453-1186.

# Southern Illinois University

Southern Illinois University has entered its second hundred years of teaching, research, and service. At the outset of the 1970's, Southern Illinois University became a single state system with two universities: Southern Illinois University Carbondale and Southern Illinois University Edwardsville. Southern Illinois University Carbondale also has a medical school campus at Springfield.

Southern Illinois University Carbondale (SIUC) first operated as a two-year normal school but in 1904 became a four-year, degree-granting institution. In 1943 SIUC was transformed from a teacher-training institution into a university, thus giving official recognition to the area's demand for diversified training and service. Graduate work was instituted in 1943, with the first doctoral degrees granted in 1959. There has been diversification and expansion of graduate programs across the University through the Colleges of Agricultural Sciences, Applied Sciences and Arts, Business and Administration, Education and Human Services, Engineering, Law School, Liberal Arts, Mass Communication and Media Arts, Science, and the School of Medicine. Combined, these colleges presently offer 90 graduate degree programs.

In keeping with the state's master plan, and with a commitment to enhance its Carnegie Doctoral/Research-Extensive University status, the University's objective is to provide a comprehensive educational program meeting as many individual student needs as possible. While providing excellent instruction in a broad range of traditional programs, it also helps individual students design special programs when their interests are directed toward more individualized curricula. The University comprises a faculty and the facilities to offer general and professional training ranging from two-year associate degrees to doctoral programs, as well as certificate and non-degree programs meeting the needs of persons not interested in degree education.

## **Enrollment**

In fall semester 2006, out of a total enrollment of 21,003, SIUC had 4,060 and 649 registered graduate and professional students respectively.

## **Location**

Carbondale is approximately 100 miles southeast of St. Louis, Missouri. Immediately south of Carbondale begins some of the most rugged and picturesque terrain in Illinois. Sixty miles to the south is the historic confluence of the Ohio and Mississippi rivers, the two forming the border of the southern tip of Little Egypt, the fourteen southernmost counties in Illinois. Within ten miles of the campus are located two state parks and four recreational lakes and much of the area is a part of the 263,000 acre Shawnee National Forest.

## **Campus**

The Carbondale campus, comprising more than 3,290 acres, has developed a 981 acre portion with woods and a lake as a site for its academic buildings and residence halls. The buildings are located in wooded tracts along two circular shaped campus drives, named for Lincoln and Douglas.

# The Graduate School

The primary concerns of the Graduate School are graduate instruction and research. The Graduate School therefore plays an essential role in development of instructional and research programs, in acquisition of funds, and in procurement of facilities necessary to encourage and support research by members of its scholarly community. Through faculty, staff, and students the Graduate School makes its contribution to the public welfare of the region, state, nation, and international community.

The Graduate School offers master's degrees in over sixty programs and the doctoral degree in twenty-nine programs. Graduate students pursue advanced study and research under the leadership of a graduate faculty of over 850 members. In addition, the Schools of Law and Medicine provide graduate students with additional opportunities in instruction and research. The Graduate School administers programs in the Colleges of Agricultural Sciences, Applied Sciences and Arts, Business and Administration, Education and Human Services, Engineering, Law School, Liberal Arts, Mass Communication and Media Arts, Science, and the School of Medicine.

Within these colleges and schools are departments whose distinguished faculty offer inspired teaching, conduct innovative research, and facilitate student services from admission to placement. The University has an excellent library and has a very good computing facility. For further information, see Academic Resources elsewhere in this chapter. In addition to the excellent research conducted in the colleges and schools, SIUC operates a number of research and service centers, most of which have been established with the aid of outside funding. These centers also are described under Academic Resources.

# Board of Trustees and Officers of Administration

## Board of Trustees of Southern Illinois University

*Term Expires*

Roger Tedrick, <i>Chair</i> , Mt. Vernon	2009
Ed Hightower, <i>Vice Chair</i> , Edwardsville	2007
John Simmons, <i>Secretary</i> , East Alton	2007
Keith R. Sanders, Spring Grove	2007
Samuel Goldman, Carbondale	2011
Stephen Wigginton, Belleville	2011
Marquita Wiley, Belleville	2009
Christine Guerra, <i>Student Trustee</i> , Carbondale	2007
Jesse Phelps, <i>Student Trustee</i> , Edwardsville	2007
Misty Whittington, <i>Executive Secretary of the Board of Trustees</i>	
Jerry Blakemore, <i>General Counsel</i>	
Duane Stucky, <i>Board Treasurer</i>	

## Southern Illinois University Administration

Glenn W. Poshard, *President*  
John S. Haller, Jr., *Vice President for Academic Services*  
Duane Stucky, *Vice President for Financial Services*  
David Gross, *Executive Assistant for Government Relations*

## Southern Illinois University Carbondale, Administration

Fernando Treviño, *Chancellor*  
Don S. Rice, *Interim Provost and Vice Chancellor*  
Rickey N. McCurry, *Vice Chancellor for Institutional Advancement*  
John A. Koropchak, *Vice Chancellor for Research and Graduate Dean*  
Larry H. Dietz, *Vice Chancellor for Student Affairs*

## Graduate School Administration

John A. Koropchak, *Vice Chancellor for Research and Graduate Dean*  
David L. Wilson, *Associate Dean and Director, Graduate School*  
Prudence M. Rice, *Associate Vice Chancellor for Research, and Director, Research Development and Administration*  
John S. Mead, *Associate Dean, Graduate School, and Director, Coal Research Center*  
Patricia McNeil, *Assistant Dean, Graduate School*

# Deans of Colleges and Schools

Gary L. Minish, College of Agricultural Sciences, Agriculture Building  
J. Dennis Cradit, College of Business and Administration, Rehn Hall  
Patricia B. Elmore, College of Education and Human Services, Wham Education Building  
William P. Osborne, College of Engineering, Engineering Building  
John A. Koropchak, Graduate School, Woody Hall  
Peter C. Alexander, School of Law, Lesar Law Building  
Alan Vaux, College of Liberal Arts, Faner Hall  
David H. Carlson, Library Affairs, Morris Library  
J. Kevin Dorsey, School of Medicine, Wheeler Hall  
Gary Kolb, College of Mass Communication and Media Arts, Communications Building  
James Tyrrell, College of Science, Neckers Building  
Paul Sarvela, College of Applied Sciences and Arts, Applied Sciences and Arts Building

# University Calendar

All breaks officially begin at 10:00 o'clock the night before, and end at 7:30 the morning after, the respective beginning and ending dates listed unless otherwise noted.

## Summer Session 2007

Eight-Week Session Begins .....	Monday, June 11, 7:30 A.M..
Deadline to Apply for Graduation .....	Friday, June 22
Deadline to Drop an 8-Week Class and Receive a Refund .....	Friday, June 22
Independence Day Holiday .....	Wednesday, July 4
Deadline to Drop an 8-Week Class .....	Monday, July 9
Final Examinations .....	Thursday–Friday, August 2-3
Commencement .....	Saturday, August 4

## Fall Semester 2007

Semester Classes Begin .....	Monday, August 20
Deadline to Apply for Graduation .....	Friday, August 31
Deadline to Drop a Class and Receive a Refund .....	Friday, August 31
Labor Day Holiday .....	Monday, September 3
Deadline to Drop a Class .....	Monday, October 15
Thanksgiving Vacation .....	Noon Sat.–Sun., Nov. 17–Nov. 25
Final Examinations .....	Monday–Friday, December 10-14
Commencement .....	Saturday, December 15

## Spring Semester 2008

Semester Classes Begin .....	Monday, January 14
Martin Luther King, Jr.'s Birthday Holiday .....	Monday, January 21
Deadline to Apply for Graduation .....	Friday, January 25
Deadline to Drop a Class and Receive a Refund .....	Friday, January 25
Spring Vacation .....	Noon Saturday–Sunday, March 8-16
Deadline to Drop a Class .....	Monday, March 17
Final Examinations .....	Monday–Friday, May 5-9
Commencement .....	Friday–Saturday, May 9-10

## Summer Session 2008—*Tentative*

Eight-Week Session Begins .....	Monday, June, 9, 7:30 A.M.
Deadline to Apply for Graduation .....	Friday, June 20
Deadline to Drop an 8-Week Class and Receive a Refund .....	Friday, June 20
Independence Day Holiday .....	Friday, July 4
Deadline to Drop an 8-Week Class .....	Monday, July 14
Final Examinations .....	Thursday–Friday, July 31-August 1
Commencement .....	Saturday, August 2

## Fall Semester 2008—*Tentative*

Semester Classes Begin .....	Monday, August 18
Deadline to Apply for Graduation .....	Friday, August 29
Deadline to Drop a Class and Receive a Refund .....	Friday, August 29
Labor Day Holiday .....	Monday, September 1
Deadline to Drop a Class .....	Monday, October 13
Veteran's Day .....	Tuesday, November 11
Thanksgiving Vacation .....	Noon Saturday–Sunday, Nov. 22-30
Final Examinations .....	Monday–Friday, December 8-12
Commencement .....	Saturday, December 13

**Spring Semester 2009—Tentative**

Semester Classes Begin.....	Monday, January 12
Martin Luther King, Jr.'s Birthday Holiday .....	Monday, January 19
Deadline to Apply for Graduation .....	Friday, January 23
Deadline to Drop a Class and Receive a Refund ..	Friday, January 23
Deadline to Drop a Class .....	Monday, March 16
Spring Vacation .....	Noon Saturday–Sunday, March 7-15
Final Examinations .....	Monday–Friday, May 4-8
Commencement.....	Friday–Saturday, May 8-9

*Excused Absences for Religious Holidays.* Students absent from classes because of required observances of major religious holidays will be excused. It is the student's responsibility to notify in advance the instructor of each class that will be missed. Students must also take the responsibility for making up work missed.

# Table of Contents

## The Graduate School

Graduate Degrees Offered .....	2
Certificate Programs .....	4
Student Responsibility .....	8
Degree Requirements.....	9
Master’s Degree Program.....	9
Doctoral Degree Program.....	11
General Regulations and Procedures .....	15
Application for Graduate Study.....	15
Registration .....	17
Course Loads .....	20
Continuing Enrollment Requirement.....	20
Transfer Credit.....	21
Graduate Grading System .....	21
Withdrawal from Courses .....	22
Retention.....	23
Graduation.....	23
Release of Student Information and Issuance of Transcripts .....	23
Financial Assistance .....	25
Graduate Assistantships .....	25
Graduate Fellowships.....	26
Tuition Scholarships.....	28
Satisfactory Progress Policy .....	28
Tuition and Fees .....	30
Residency Status .....	31
University Employees .....	33
Student Conduct Code .....	34
Academic Grievances Policy/Procedures.....	46
University Policy Concerning Sexual Harassment .....	50
Academic Resources .....	56
Library Affairs .....	56
Information Technology .....	56
Research and Service Centers.....	57
Research Support Facilities .....	62
Office of Research and Development & Administration .....	62
Accreditations .....	62
Associations.....	65
Facilities and Services .....	66
Career Services.....	66
Housing.....	66
Parking .....	66
International Programs and Services .....	66
Study Abroad Program .....	67
Economic and Regional Development .....	67
Student Health.....	67
Disability Support Services .....	68
Center for English as a Second Language .....	68
University Ombudsman.....	69
Policy Accommodating Religious Observances of Students .....	70

## 2 Academic Programs, Graduate Faculty, and Courses

Accountancy .....	73
Administration of Justice .....	78
Agribusiness Economics.....	82
Animal Science.....	85
Food and Nutrition.....	88
Anthropology .....	91
Applied Linguistics .....	100

Architecture .....	101
Art.....	105
Behavior Analysis and Therapy .....	111
Biological Sciences .....	112
Black American Studies .....	114
Business Administration.....	115
Center for the Study of Crime, Delinquency, and Corrections .....	129
Chemistry.....	130
Cinema and Photography.....	137
Civil and Environmental Engineering.....	138
Communication Disorders and Sciences.....	142
Computer Science .....	143
Creative Writing.....	149
Curriculum and Instruction .....	150
Economics.....	162
Doctoral Program in Education .....	167
Educational Administration.....	169
Educational Psychology.....	174
Electrical and Computer Engineering .....	180
Engineering.....	189
English .....	193
Environmental Resources and Policy Ph.D. ....	200
Finance .....	206
Food and Nutrition .....	88
Foreign Languages and Literatures .....	207
Forestry .....	216
Geography and Environmental Resources .....	222
Geology.....	227
Health Education.....	234
Higher Education.....	240
History.....	242
Interactive Multimedia.....	251
Journalism .....	252
Kinesiology .....	253
Legal Studies .....	257
Linguistics.....	259
Management .....	265
Manufacturing Systems .....	266
Marketing.....	268
Mass Communication and Media Arts .....	269
Mathematics .....	285
Mechanical Engineering.....	294
Mining Engineering.....	300
Molecular Biology, Microbiology and Biochemistry .....	303
Molecular, Cellular, and Systemic Physiology .....	310
Music .....	317
Pharmacology.....	323
Philosophy.....	331
Physical Education .....	338
Physician Assistant .....	339
Physics.....	345
Physiology .....	349
Plant and Soil Science .....	350
Plant Biology.....	357
Political Science .....	365
Psychology.....	377
Public Administration .....	388
Radio-Television.....	389
Recreation .....	390
Rehabilitation Institute.....	393
Behavior Analysis and Therapy .....	394
Communication Disorders and Sciences .....	395
Rehabilitation Administration and Services.....	399
Rehabilitation Counseling .....	400
Doctor of Rehabilitation.....	401
Social Work .....	408
Sociology.....	414

Special Education.....	421
Speech Communication .....	428
Teaching English to Speakers of Other Languages .....	435
Telecommunications .....	436
Theater .....	437
Women's Studies .....	442
Workforce Education and Development.....	444
Zoology.....	450
Other Graduate Faculty .....	457
Other Graduate Courses.....	459
Agriculture.....	459
Engineering Technology.....	459
Industrial Technology .....	460
Medical Education Preparation .....	462
Science .....	462