

**SIUe**

**School of Pharmacy**

**Phil Medon, Dean**

[www.siu.edu/pharmacy](http://www.siu.edu/pharmacy)

# School of Pharmacy

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**Assistant Professors:** Devraj, R.; Karpinski, J.P.; Kerr, J.L.; Kwon, G.; Reaka, A.J.; Santanello, C.R.; Timpe, E.M.; Witt, K.A.; Worthington, R.E.

The School of Pharmacy is SIUE's newest academic program, and represents a significant expansion of SIUE's educational offerings in the area of health sciences for southern and central Illinois. The School offers a 4-year professional pharmacy program, leading to the Doctor of Pharmacy Degree (Pharm.D.). The School of Pharmacy will consider applications from qualified students who have completed a defined pre-professional curriculum at accredited colleges or universities. The professional pharmacy program will comprise didactic, laboratory and clinical experiences.

## Vision Statement

The School of Pharmacy, located in a major metropolitan university, is committed to providing excellence in pharmaceutical education and the development of pharmacy leaders as a service to the community and the improvement of the quality of health care services.

## Mission Statement

The mission of the School is to prepare pharmacist practitioners capable of providing high-quality health care to meet the diverse pharmaceutical care needs of the citizens of Illinois and to serve the profession of pharmacy through a balanced program of education, research, service and patient care. The School of Pharmacy embraces the educational philosophy of the University that is dedicated to communication, expansion and integration of knowledge through excellence in its teaching programs; through the scholarly, creative and research activity of its faculty, staff and students; and through professional and community service.

## Goals

The goals of the School of Pharmacy are:

- 1 To prepare graduates of the professional program to apply the pharmaceutical, social,

administrative, and clinical sciences in order to deliver pharmaceutical care in a manner which promotes positive health outcomes and an interdisciplinary role.

- 2 To foster intellectual curiosity and a commitment to life long learning.
- 3 To provide programs, services, and resources that fosters an environment for the personal and professional growth of students, alumni, practitioners and faculty.
- 4 To contribute to the advancement of the clinical, basic medical and pharmaceutical sciences.
- 5 To contribute to the advancement of pharmacy practice through research and scholarship and by service to the profession.
- 6 To inculcate a spirit of respect for diversity and good citizenship.

## The Doctor of Pharmacy (Pharm.D.) Degree

Graduates of the SIUE School of Pharmacy will earn the Doctor of Pharmacy (Pharm.D.) degree. This program requires at least 2 years of a specific pre-pharmacy curriculum followed by 4 academic years of a professional pharmacy program.

**Pre-pharmacy Curriculum:** The defined pre-pharmacy curriculum contains a strong emphasis on biology, chemistry, mathematics and physics, along with specific general education courses.

Science and Mathematics Requirements .....	49
BIOL120 Animal Systems .....	4
BIOL121 Plant Systems .....	4
BIOL240a,b Human Anatomy and Physiology .....	8
CHEM 121a, b; 125a, b General Chemistry with labs .	10
CHEM241a, b; 245 Organic Chemistry with lab .....	8
MATH150 Calculus .....	5
PHYS206a,b College Physics with labs .....	10
General Education Requirements .....	21
ENG101 English Composition I .....	3
ENG102 English Composition II .....	3
ECON111 or 112 Macro or Microeconomics .....	3
PHIL106 Critical Thinking .....	3
One of the following: .....	3
SPC103 Interpersonal Communication	
SPC105 Public Speaking	
One of the following: .....	3
SOC111 Introduction to Sociology	
PSY111 Foundations of Psychology	
POLS111 Introduction to Political Science	
One of the following: .....	3
ART111 Introduction to Art	
A literature course	
MUS111 Introduction to Music History/Literature	
THEA111 The Dramatic Experience	
<b>Total .....</b>	<b>70</b>

## Doctor of Pharmacy (Pharm.D.) Curriculum

### Fall Semester — First Professional Year

PHPS 700 Principles of Drug Action I .....	3
PHPS 702 Biochemical Principles for Pharmacy .....	3
PHPS 704 Pharmaceutics I .....	2
PHPS 706 Pharmacy Practice I .....	3
PHAS 708 Health Care Systems .....	3
PHPR 710 Statistics and Literature Evaluation .....	3
PHEP 714 Introductory Pharmacy Practice Experience I: Professional Role Observations .....	1
<b>Total .....</b>	<b>18</b>

### Spring Semester — First Professional Year

PHPS 701 Principles of Drug Action II .....	2
PHPS 703 Molecular Biology and Pharmacogenomic Principles .....	2
PHPS 705 Pharmaceutics II .....	3
PHPS 707 Pharmacy Practice II .....	2
PHAS 709 Health Care and Financial Management .....	2
PHPR 711 Drug Information .....	3
PHPR 713 Self Care and Alternative Medicines .....	3
PHEP 715 Introductory Practice Experience II: Service Learning .....	1
<b>Total .....</b>	<b>18</b>

### Fall Semester — Second Professional Year

PHPS 720 Biopharmaceutics and Pharmacokinetics .....	3
PHPS 722 Microbiology and Immunology .....	3
PHPT 724 Integrated Pharmacotherapeutics I: CV/Renal .....	5
PHPT 726 Integrated Pharmacotherapeutics II: Endocrine/Metabolic/Nutrition .....	4
PHAS 728 Human Resources Management .....	2
PHEP 730 Introductory Pharmacy Practice Experiences III .....	1
PHEP 732 Pharmacy Rounds I .....	1
<b>Total .....</b>	<b>18</b>

### Spring Semester — Second Professional Year

PHPR 721 Clinical Pharmacokinetics .....	2
PHPT 725 Integrated Pharmacotherapeutics III: Infectious Diseases .....	4
PHPT 727 Integrated Pharmacotherapeutics IV: GI/Rheumatology/Pulmonary .....	5
PHEP 731 Introductory Pharmacy Practice Experience IV .....	1
PHEP 732 Pharmacy Rounds I (continued) .....	1
PHAS 733 Pharmacy Law and Ethics .....	3
PHPR 735 Physical Assessment and Patient Care Skills .....	3
<b>Total .....</b>	<b>19</b>

### Fall Semester — Third Professional Year

PHPT 740 Integrated Pharmacotherapeutics V: Psychiatry and Neurology .....	4
PHPT 742 Integrated Pharmacotherapeutics VI: Women & Men's Health .....	2
PHPR 744 Health Promotion & Literacy .....	3
Electives .....	6
PHEP 746 Pharmacy Rounds II .....	1
PHPR 748 Disease Management Training/Special Programming .....	1
PHEP 750 Senior Project .....	1
<b>Total .....</b>	<b>18</b>

### Spring Semester — Third Professional Year

PHPT 741 Integrated Pharmacotherapeutics VII: Oncology/Hematology .....	4
PHPT 743 Integrated Pharmacotherapeutics VIII: Eyes, Ears, Dermatology & Others .....	2
PHPS 745 Biotechnology .....	2
PHEP 747 Pharmacy Rounds III .....	1
PHPR 749 Disease Management Training/Special Programming .....	2

Programming .....	2
Management Elective .....	2
Choose one from:	
PHAS 751 *Management Elective: Community .....	
PHAS 753 *Management Elective: Institutional .....	
PHAS 755 *Management Elective: Clinical .....	
Electives .....	5
<b>Total .....</b>	<b>18</b>

### Fourth Professional Year —

#### Advanced Pharmacy Practice Experience (APPE)

PHEP 780 APPE I (Community) .....	5
PHEP 781 APPE II (Institutional) .....	5
PHEP 782 APPE III (Ambulatory Care) .....	5
PHEP 783 APPE IV (Acute Care) .....	5
PHEP 784 APPE V (Drug Information/Wellness) .....	5
PHEP 785 APPE VI (Mental Health) .....	5
PHEP 786 APPE VII (Elective) .....	5
PHEP 787 APPE VIII (Elective) .....	5
<b>Total .....</b>	<b>18</b>

**Grand Total .....** 149

(Course descriptions for first- and second-year courses only are listed in this catalog.)

## Admission Procedures

Admissions to the professional program of the School of Pharmacy are limited and are therefore competitive. Specific admissions criteria are determined annually by the Admissions Committee and may be changed without notice. The following is a summary of the admission requirements and procedures:

**Minimum Pre-pharmacy Requirements:** All courses listed in the Pre-pharmacy Curriculum must be completed with a minimum grade of "C" prior to enrollment in the professional program of the School of Pharmacy. In order to be considered for admission to the professional program, the minimum cumulative and pre-pharmacy grade point averages are 2.50. Attaining these minimums does not guarantee admission, and specific minimums may be modified depending on the size of the applicant pool.

**PCAT:** Applicants must take the Pharmacy College Admissions Test (PCAT) prior to application and have the scores sent directly to the School of Pharmacy at SIUE.

**Resident Status:** Non-resident applicants may be considered for admission to the School of Pharmacy. The Dean may admit exceptional non-resident applicants to the pharmacy program as determined by academic records, personal and professional characteristics, and upon recommendation of the Admissions Committee.

**Professional Program Application:** Admission applications will be available online or by mail. Application availability and deadline dates are posted on the School of Pharmacy Web site at [www.siu.edu/PHARMACY](http://www.siu.edu/PHARMACY). The application includes:

- personal information, including demographics,
- educational information summary,
- official copies of all college and university transcripts,
- letters of support,
- a non-refundable application fee.

**Professional Program Interview and Writing**

**Exercise:** Information obtained from all the aforementioned sources will be assembled into an individual applicant dossier for consideration by the Admissions Committee of the School of Pharmacy. Selected applicants (selection to be based on academic performance and strength of application)

will be invited to SIUE for an on-campus interview. These selected applicants will be interviewed by selected faculty and pharmacy practitioners who will assess the applicant's academic preparation, motivations, and suitability for a career in pharmacy.

**Admissions Decision:** Following completion of the Professional Program Interview, the Admissions Committee will consider all aspects of the applicant's dossier and make recommendations regarding admission to the dean. Only at this point will applicants be notified of their admission status. Admitted applicants will be required to submit an admissions deposit to hold their space in the admissions class.

For more information, contact:

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