Degrees Available at SIUE
- Doctor of Philosophy

Specializations
- Medicinal Chemistry

Pharmacology and Neuroscience - Cooperative PhD at SIUE
The School of Pharmacy at Southern Illinois University Edwardsville participates in the Doctor of Philosophy in pharmacology and neuroscience offered by the School of Medicine at SIUC. Students who have a passion for research and who are driven to make an impact through a career in drug discovery or other areas of pharmaceutical sciences in both industry and academia should consider pursuing this program.

Collaboration between experts in medicinal chemistry and regional leaders in neuroscience and pharmacology has allowed for the creation of a degree opportunity that will help meet the demands of a fast-moving biotechnology field.

What can I do with a degree in pharmacology and neuroscience?
With a degree in pharmacology and neuroscience, students can pursue careers in drug design and discovery, pharmacodynamic, and translational research in both industry and academic settings.

Admission Requirements
- To be considered for this program, students must first apply for the PhD program through the SIU School of Medicine and select the option for the cooperative program with the SIUE School of Pharmacy.
- Students with an interest in pursuing pharmacology and neuroscience can be nominated by SIUC, at which time materials submitted for the SIUC application will be shared with SIUE. Nominated students will receive an email with instructions to complete and submit the SIUE application for final consideration. The preferred application deadline is February 15 for fall applications. SIUE will not require an application fee. If additional materials or documentation is required, students will be notified promptly.
- Admission to the program will be granted by the SIU School of Medicine. Concurrent admission by SIUE in unclassified status is required to register for SIUE coursework.
- Please contact the Office of Graduate Admissions with questions regarding the application submission process at graduateadmissions@siue.edu.

Graduation Requirements
- Maintain a GPA of at least 3.0 (A=4.0)
- Complete 24 semester hours is residency
- Pass a comprehensive written preliminary exam covering core coursework
- Complete four semester hours of PHRM 501 with a grade of B or better
- Be admitted to candidacy
- Present an oral proposal or proposed dissertation research
- Submit at least one manuscript for publication in a peer-reviewed journal
- Complete 24 hours of dissertation research
- Defend dissertation
- Deposit dissertation with the SIUC Graduate School
Curriculum
The minimum course requirements in the pharmacology and neuroscience PhD program are listed in the SIUC Graduate Catalog and on the SIU School of Medicine Department of Pharmacology website. Students must complete core coursework, electives, research tools and dissertation research credit.

Elective coursework, up to 24 credit hours, will be taken within an area of chosen concentration. The student and the research supervisor(s), in consultation with the student’s graduate committee, will determine specific courses. If a student chooses an area of concentration in medicinal chemistry, core coursework can be substituted at the discretion of the graduate program committee. The multi-disciplinary curriculum for each concentration is customized to meet the student’s individual interests and career goals.

In addition, an SIUE student must register for 12 of the 24 credit hours of dissertation research for residency at SIUC and for the remaining 12 credit hours at SIUE. Only six hours of dissertation research credit may be taken prior to the oral defense of the dissertation proposal and approval of the dissertation proposal.

Contact Information
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