PHARMACEUTICAL SCIENCES, M.S. OR PH.D.

About the Program

The Department of Graduate Pharmaceutical Sciences offers graduate degree programs leading to both the Master of Science and Master of Science/Doctor of Pharmacy degrees. These degree programs are designed to prepare scientists-educators-practitioners for careers in pharmaceutical education, research, industry, and related areas of specialized practice. Pharmaceutical sciences graduate students may specialize in various aspects of pharmaceutical research; Medicinal Chemistry, Nuclear Pharmacy, Pharmaceutics, Pharmacology, Infectious Disease, Toxicology, Pharmacy Administration.

Areas of Specialization

- Medicinal Chemistry
- Pharmaceutics
- Pharmacology
- Infectious Disease
- Immunology
- Neuroscience
- Toxicology
- Pharmacy Administration

Cost

It is the student's responsibility to ensure they are enrolled in the prescribed courses and to pay tuition and fees at the time designated by the Bursar's Office. Details regarding tuition/fee charges and collection are available from the Bursar's Office.

Prerequisites

- Bachelor's degree in pharmacy or related field from an accredited institution.
- Grade point average of 3.0 or above using the upper-division coursework of the bachelor's degree.
- GRE test scores of at least 150 in both verbal and quantitative sections.
- Three letters of recommendation from prior college instructors addressing the qualifications to pursue graduate study.
- Proof of language proficiency for international applicants. TOEFL score of at least 79 on the IBT or its equivalent in other versions of the TOEFL examination.

Curriculum

Master of SCience

30 credit hours

Code	Title	Hours
Core Courses		
BMSC 5001	Integrity in Scientific Research	1
PHSC 5103	Pharmaceutical Technology	3
BSE 5163	Biostatistical Methods I	3
PHSC 5563	General Pharmacology	3
PHSC 5990	Special Studies in Pharmaceutical Sciences	3
PHSC 6000	Research Rotations in Pharmaceutical Sciences	2
PHSC 6131	Journal Club in Pharmaceutical Sciences	1
PHSC 6712	Research and Educational Methods	2
PHSC 6970	Seminar in Pharmaceutical Sciences	2
Elective Courses		
Courses relevant to area of specialization		2
Thesis		
PHSC 5980	Research for Master's Thesis	4-6

Doctor of Philosophy

90 credit hours

Code	Title	Hours
Core Courses		
BMSC 5001	Integrity in Scientific Research	1
PHSC 5103	Pharmaceutical Technology	3
BSE 5163	Biostatistical Methods I	3
PHSC 5563	General Pharmacology	3
PHSC 5990	Special Studies in Pharmaceutical Sciences	1-5
PHSC 6000	Research Rotations in Pharmaceutical Sciences	1-3
PHSC 6131	Journal Club in Pharmaceutical Sciences	1
PHSC 6120	Advanced Topics in Pharmaceutical Sciences	1-4
PHSC 6712	Research and Educational Methods	2
PHSC 6970	Seminar in Pharmaceutical Sciences	2
Elective Courses		
Courses relevant to area of specialization		24
Dissertation		
PHSC 6980	Research for Doctoral Dissertation	1-16

Note: Student's advisory committee sets the remainder of any needed requirements to meet the 90 hours required for the degree.

Admission Requirements

Individuals interested in graduate study in pharmaceutical sciences are encouraged to contact the College of Pharmacy as early as possible for assistance and advice in undergraduate preparation, academic and career planning, the admissions process, and related areas. Prospective students are encouraged to visit the college in person to explore the graduate program.

Admission into the graduate degree program in pharmaceutical sciences is contingent upon meeting the requirements of both the Graduate College and the department as well as availability of sufficient resources for the student's program of study. Admission requires the approval of the College of Pharmacy Graduate Affairs Committee and the Dean of the College of Pharmacy.

Applicants for the graduate degree program in pharmaceutical sciences must submit a completed OUHSC application with all required supporting documents.

Program Objectives