

Pharmacy, PhD

Pharmaceutics

The Doctor of Philosophy in pharmacy with a subprogram in pharmaceutics requires 72 s.h. of credit. The degree requires 30 s.h. in didactic coursework, including a minimum of 15 s.h. in divisional courses and 15 s.h. of pharmacy or elective coursework. The remaining 42 s.h. can be fulfilled with research or electives. Students must maintain a cumulative grade-point average of at least 3.00.

Entering students who do not have basic knowledge in all subjects follow a plan of study in order to complete divisional requirements during their first and second years.

The Doctor of Philosophy in pharmacy with a subprogram in pharmaceutics requires the following work.

Core Courses

Course #	Title	Hours
All of these:		
PHAR:4146	Drug Disposition and Pharmacokinetics	2
PHAR:4736	Properties of Dosage Forms I (or equivalent)	3
PHAR:4737	Properties of Dosage Forms II	3
PHAR:4800	Chemical and Biophysical Properties of Drugs	1
PHAR:5700	Quantitative Research Methods in Pharmacy I	3-4
PHAR:5720	Pharmaceutical Materials and Analysis	3
PHAR:5745	Drug Delivery: Principles and Applications I	arr.
PHAR:5880	Protein Pharmaceuticals	2
PHAR:6700	Advanced Pharmacokinetics and Pharmacodynamics	3
PHAR:6706	Equilibria Processes	3
PHAR:6710	Pharmaceutics Graduate Seminar (enrollment required each semester until completion of comprehensive exam)	1
PHAR:6720	Pharmaceutics Research	arr.
BMED:7270	Scholarly Integrity/Responsible Conduct of Research I (taken in second year)	0
BMED:7271	Scholarly Integrity/Responsible Conduct of Research II (taken in second year)	0

Elective Courses

Students choose appropriate electives for individual research objectives.

Comprehensive Examination

Students take the comprehensive examination between the beginning and end of their third year of graduate study.

Dissertation

The dissertation is defended in a final oral examination.