

# 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 elective coursework. The remaining 42 s.h. can be fulfilled with research (PHAR:6720 Pharmaceutics Research) or electives. Students must maintain a UI 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.

## Divisional Courses

Course #	Title	Hours
15 s.h. from these:		
PHAR:4146	Drug Disposition and Pharmacokinetics	2
PHAR:4736	Properties of Dosage Forms I (or equivalent)	3
PHAR:4800	Chemical and Biophysical Properties of Drugs	2
PHAR:5720	Pharmaceutical Materials and Analysis	3
PHAR:5745	Advanced Biopharmaceutics and Drug Delivery	arr.
PHAR:5880	Protein Pharmaceuticals	4
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
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.