

# Pharmacy, PhD

## Health Services Research

The Doctor of Philosophy in pharmacy with a subprogram in health services research requires 74 s.h. of credit. Students must maintain a cumulative grade-point average of at least 3.00.

In the first two years in the program, students participate in ongoing research and complete coursework. In the third year, emphasis is placed on developing a dissertation topic. The following two years are spent on research and writing of the dissertation.

The Doctor of Philosophy in pharmacy with a subprogram in health services research requires the following work.

## Core Competencies

Students complete the following coursework before they take the core competency qualifying exam.

### Health Services Research

Course #	Title	Hours
All of these:		
PHAR:6320	Health Services Research	arr.
PHAR:6330	Models of Patient Behavior and Choice	3
PHAR:6331	Models of Provider Behavior and Choice	3
HMP:4000	Introduction to the U.S. Health Care System (or equivalent as approved by advisor)	3

### Research Methods and Statistics

Course #	Title	Hours
All of these:		
PHAR:5350	Introduction to Research Methods	3
PHAR:5360	Applied Research Methods: Primary Data	2
PHAR:5365	Applied Research Methods: Secondary Data	2
BIOS:4120	Introduction to Biostatistics	3
BIOS:5120/ IGPI:5120/ STAT:5610	Regression Modeling and ANOVA in the Health Sciences	3
Additional statistics coursework (biostatistics, economics, education, psychology, mathematics, or sociobiology)		6

## Specialty

The specialty area requires at least 24 s.h. of coursework. With the guidance of their faculty advisor, students develop a plan of study that encompasses an area of expertise or specialty.

## Additional Requirements

Students are expected to participate in specific aspects of ongoing research. These research activities are often paid graduate research assistantships; course credit is not

available for paid assistantships. By the end of their third year, students are expected to present the results from one completed research project at a regional or national meeting.

Course #	Title	Hours
PHAR:5310	Health Services Research Seminar (students enroll in the seminar for 1 s.h. each semester they are on campus, excluding summer session)	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