PHARMACEUTICAL SCIENCES (PHD) - PHARMACY ADMINISTRATION

The Ph.D. in pharmaceutical sciences can be completed with an emphasis in environmental toxicology, medicinal chemistry, pharmaceutics, pharmacology, pharmacognosy, or pharmacy administration.

Minimum Total Credit Hours: 54

Course Requirements

The Ph.D. in pharmaceutical sciences with an emphasis in pharmacy administration offers two areas of specialization: marketing and management, or outcomes. Students select one area of specialization and then complete the course requirements as described below.

Core Courses (30 hours of credit)

- PSYC 7071/EDRS 6010/SOCY 5510 (Statistics)
- PHAD 6790-Primary Data Techniques
- PHAD 6880 -Research Methods in Pharmacy Administration
- PHAD 6870-Secondary Data Techniques
- PHAD 7800-General Linear Models
- PHAD 7810-Applied Multivariate Analysis
- PHAD 6890-Pharmaceutical and Healthcare Policy
- PHAD 6930-Health Economics
- PHAD 7920-Drug Development and Marketing
- PHAD 7830-Advanced Pharmaceutical Marketing and Patient Behavior

Electives (9 credits):

- Non-required 6000- or 7000-level Phad or non-Phad courses approved by adviser

Nonthesis Research (6 credits):

- PHAD 6980

Specialization Areas (Tracks):

The Ph.D. in pharmaceutical sciences with an emphasis in pharmacy administration offers two areas of specialization: marketing and management, or outcomes. Students select one area of specialization and then complete the course requirements as described below.

Marketing and Management Track (four courses from the list below)

- MKTG 7620-Marketing Management
- MKTG 7660-Advanced Studies in Consumer Behavior
- MKTG 7680- Marketing Communication Thought
- MKTG 7690-Theoretical Foundations of Marketing
- BUSN 6670-Global Business Strategy
- MGMT 6120-Seminar in Human Resources Management
- MGMT 6110-Seminar in Organizational Behavior
- MGMT 6130-Theoretical Foundations of Management

Outcomes Track (four courses)

- PHAD 7860-Patient Reported Outcomes
- PHAD 7940-Pharmacoeconomics
- PHAD 7960-Pharmacoepidemiology
- Applied Analytic Course (e.g., POLS 5530-Applied Political Research, HKIN 7110-Measurement Theory and Practice, HKIN 7100-Meta-Analysis)

Other Academic Requirements

In addition to the course requirements, each student must participate in and complete an orientation to the discipline of pharmacy administration and register for departmental seminar each semester (1 credit hour per semester). Each student must pass a comprehensive examination, prepare and successfully defend a dissertation prospectus, and complete and defend his/her dissertation project, which is based on original, independent research.

It is important to note that if an applicant has a master's degree, he or she may petition in writing to the department chair for transfer, substitution, or waiver of certain courses upon entry into the program. The faculty will evaluate the request, following the Graduate School policies, and determine which courses, if any, can be waived or substituted. If an applicant has completed a thesis, he or she is asked to provide a copy of the thesis for review to determine whether waiver of nonthesis research and other courses is acceptable. Substitution or waiver of courses will then be documented on the student's progression form.