

Doctor of Pharmacy, PharmD

Requirements

The Doctor of Pharmacy (PharmD) program provides professional education in a number of areas, including pharmaceutical technology, biopharmaceutics, medicinal chemistry and natural products, pharmaceutical socioeconomics, pharmacotherapy, patient care, clinical and hospital pharmacy, and aspects of biotechnology. Graduates of the program are qualified to take examinations required for licensure as a pharmacist.

Prerequisite Coursework

The program is preceded by at least two years of pre-pharmacy study in the College of Liberal Arts and Sciences at the University of Iowa or an accredited community or liberal arts college in the United States or Canada. During pre-pharmacy study, students complete the prerequisites for admission to the PharmD program. See Admission [p.] in this section of the catalog for a list of prerequisite coursework.

Professional Curriculum

The PharmD degree requires four years of full-time study in the following coursework, including at least 10 s.h. of professional electives. The College of Pharmacy provides students with high-quality professional practice experiences. Faculty and adjunct faculty serve as preceptors, providing introductory and advanced practice experience at institutions and pharmacies in Iowa, nationwide, and around the world.

Students must meet progression requirements in accordance with Doctor of Pharmacy policies. See the Student Handbook on the PharmD Student Resources page of the College of Pharmacy website.

First Year, Fall

Course #	Title	Hours
PHAR:8130	Foundations of Pharmacy Practice I	4
PHAR:8131	Engagement: Professional Skills and Values	1
PHAR:8133	Introductory Pharmacy Practice Experience Career Exploration (fall or spring)	1
PHAR:8134	Foundations of Health Services	3
PHAR:8135	Health Information Retrieval and Informatics	3
PHAR:8136	Foundations of Pharmaceutical Sciences	6
PHAR:8152	Fundamentals of Compounding	1

First Year, Spring

Course #	Title	Hours
PHAR:8133	Introductory Pharmacy Practice Experience Career Exploration (fall or spring)	1

PHAR:8140	Foundations of Pharmacy Practice II	4
PHAR:8148	Pharmacokinetics and Dose Optimization	2
PHAR:8149	Foundations of Pharmacology and Toxicology	3
PHAR:8150	Foundations of Health, Wellness, and Disease	2
PHAR:8151	Clinical Investigation I: Research Question, Study Design, and Methods	3
PHAR:8153	Integrated Pharmacotherapy: Dermatology and Sensory	2

Second Year, Fall

Course #	Title	Hours
PHAR:8207	Introductory Pharmacy Practice Experiences Community (may be taken in a different semester)	3
PHAR:8209	Introductory Pharmacy Practice Experiences Hospital (may be taken in different semester)	3
PHAR:8250	Applications of Pharmacy Practice I	2
PHAR:8254	Integrated Pharmacotherapy: Endocrine	3
PHAR:8256	Integrated Pharmacotherapy: Renal, Fluids, and Electrolytes	2
PHAR:8260	Integrated Pharmacotherapy: Cardiovascular	4
PHAR:8276	Clinical Investigation II: Advanced Methods and Literature Interpretation	2

Second Year, Spring

Course #	Title	Hours
PHAR:8207	Introductory Pharmacy Practice Experiences Community (may be taken in a different semester)	3
PHAR:8209	Introductory Pharmacy Practice Experiences Hospital (may be taken in a different semester)	3
PHAR:8261	Integrated Pharmacotherapy: Neurology and Psychiatry	4
PHAR:8263	Integrated Pharmacotherapy: Infectious Diseases	4
PHAR:8265	Applications of Pharmacy Practice II	2
PHAR:8275	Advanced Health Services	2

Third Year, Fall

Course #	Title	Hours
PHAR:8301	Introductory Pharmacy Practice Experience Clinical	1
PHAR:8352	Integrated Pharmacotherapy: Musculoskeletal	4
PHAR:8370	Integrated Pharmacotherapy: Respiratory and Allergy	2
PHAR:8372	Integrated Pharmacotherapy: Gastroenterology and Nutrition	3
PHAR:8374	Applications of Pharmacy Practice III	2

PHAR:9451

Elective: Non-Patient Care Rotation (taken up to two times)

6

Third Year, Spring

In addition to the required courses outlined in the following list, students must enroll in a minimum of 4 s.h. of professional elective courses or an early advanced pharmacy practice experience for a minimum of 12 s.h.

Course #	Title	Hours
PHAR:8132	Continuing Professional Development	1
PHAR:8353	Integrated Pharmacotherapy: Genitourinary and Reproductive	2
PHAR:8371	Integrated Pharmacotherapy: Oncology and Hematology	2
PHAR:8378	Pharmacy Law and Ethics	2
PHAR:8384	Applications of Pharmacy Practice IV	1

Professional Electives

PharmD students must complete at least 10 s.h. of didactic professional electives in College of Pharmacy courses (prefix PHAR) numbered 8501-8799 before progressing to advanced pharmacy practice experiences. See Courses in this section of the catalog.

Fourth Year

During the fourth year, students must complete eight advanced pharmacy practice experiences. All students must complete the first four rotations in the following list (24 s.h.); the remaining advanced pharmacy practice experiences may be selected by each student from a variety of patient-care and non-patient care opportunities.

Course #	Title	Hours
All of these:		
PHAR:9401	Ambulatory Care Rotation	6
PHAR:9404	Community Clinical Rotation	6
PHAR:9410	Hospital Pharmacy Rotation	6
PHAR:9413	Acute Care Medicine Rotation	6
Four additional rotations from these categories:		
PHAR:9450	Elective: Patient Care Rotation	6