

2026-27 Academic Catalog/Class of 2028 Graduation Requirements

Master of Science in Pharmaceutical Sciences (MSPS)

The MSPS is a 52-semester credit hour program that is designed to be completed in either 24 months (five semesters) full-time or over an extended period part-time. The coursework is comprised of required courses, elective courses, an internship or research experience, and a capstone.

Program Requirements

Year 1 FALL Core Courses	Units
PHAR 5310 Pharmaceutics and Biopharmaceutics	3.0
PHAR 5315 Principles of Drug Action	4.5
PHAR 5332 Biostatistics	2.5
PDDS 6425 Pharmaceutical Sciences: Cardiology	3.0
SCI 5500 Principles of Biology and Biochemistry	3.0
Subtotal	16.0

Year 1 SPRING Core Courses	Units
PHAR 5318 Pharmacokinetics	3.0
PHAR 5321 Pharmacy Law and Ethics	2.0
PHAR 5370 Introduction to Industry	2.0
PDDS 5335 Pharmaceutical Sciences: Endocrinology and Urology	3.0
PDDS 5200 Pharmaceutical Sciences Capstone	2.0
Subtotal	12.0

SUMMER 1 Experiential Component

Internship / Research Experience

400 Hours

Year 2 FALL Core Courses	Units
PDDS 6435 Pharmaceutical Sciences: Nephrology	1.5
PDDS 7525 Pharmaceutical Sciences: Gastroenterology	2.0
PHAR 7563 Fundamentals of Medical Affairs	1.5
MATH 5100 Data Analytics in Python	1.5
SCI 5300 Pharmaceutical Discovery	1.5
SCI 5310 Pharmaceutical Development	1.5
PDDS 5100 Pharmaceutical Sciences Capstone	2.5
Subtotal	12.0

Year 2 SPRING Core Courses	Units
MATH 5220 Data Analytics in R	1.5
SCI 6100 Pharmacogenomics and Precision Medicine	3.0
PDDS 5300 Pharmaceutical Sciences Capstone	3.0
GENE 5130 Bioinformatics in Python	1.5
Electives	3.0
Subtotal	12.0