

Pharmaceutical Sciences: Pharmacology Option (Non-Thesis) — MS

Pharmaceutical Sciences Non-Thesis Masters Degree Program — Pharmacology Option

A. Program Administration

Admission to the program will be accompanied by assignment to a specific Pharmacology faculty member, who will serve as the research mentor for the student. Thus, admission to the program will be offered only upon approval of that faculty member. Upon acceptance of admission, the student will work with the faculty member to formulate an advisory committee. This advisory committee will consist of no fewer than three members and a majority of members must come from the Department of Drug Discovery and Development. This committee will assist the faculty mentor in the selection of coursework and in oversight of the student's research activity. In particular, the committee will assist the faculty member in evaluating the student's performance in the non-thesis research course (DRDD 7980).

B. Program Curriculum

1. Curricular Overview

The required courses of this curriculum are aligned with the three core competencies of the graduate program: Scientific Communications, Data Analyses and Interpretation, and Experimental Design. The Scientific Communications requirement (3 credits) is to be fulfilled by DRDD 7950 (1 credit per semester). The Data Analyses and Interpretation requirement (3 credits) is to be fulfilled by DRDD 7030 (3 credits). The Experimental Design requirement (3 credits) is to be fulfilled by DRDD 7980 (1-3 credits per semester).

Additional required courses for this option are listed below. DRDD 7950 (1 credit per semester) is required for each Fall and Spring semester enrolled in the program. Four credits of DRDD 7980 (1-3 credits per semester) are required for graduation; furthermore, DRDD 7980 is required for each semester enrolled in the program.

Code	Title	Hours
DRDD 7090	Pharmaceutical Science I: Targets	4
DRDD 7100	Pharmaceutical Science II: ADME	4
DRDD 7330	Pharmacology Research Methods	3
DRDD 7340	Organ Systems Pharmacology I	3
DRDD 7360	Cellular & Molecular Pharmacology & Toxicology I	3
DRDD 7950	Seminar (May be repeated multiple times for credit.)	1
DRDD 7980	Non-Thesis Research (Total of 4 CR required)	1–6

In addition to the specific core and option course requirements listed above, students must complete committee approved graduate electives (6000–8999) to reach the 30 hour degree requirement.

- ¹ Students must take DRDD 7950 each fall and spring semester. A total of at least 3 credit hours are required.
- ² Students must take 1–3 hours of DRDD 7980 each semester. A total of at least 6 credit hours are required.
- ³ At least 3 credit hours of restricted electives are required from the following list: STAT 7000, STAT 7010, DRDD 6800, DRDD 7300, DRDD 7310, DRDD 7960, VBMS 7140, VBMS, 7180.
- ⁴ At least 3 credit hours of restricted advisor approved electives are required.