

PHARMACEUTICAL SCIENCES (MS)

Curriculum

Graduate Committee

Dr. Luis Marky (Chair and Graduate Program Director), Dr. Corey Hopkins, Dr. [Ram Mahato](#), and Dr. [DJ Murry](#)

There are two options for a masters degree in Pharmaceutical Sciences.

First, the Pharmaceutical Sciences Master of Science program provides students with a course of study involving formal coursework and research. Second, the Pharmacy Health Services and Evaluation and Research track trains students in health services research and evaluation. These thesis-track programs generally take two years to complete, during which MS students are actively involved in weekly seminars and journal clubs.

MS Curriculum

Students complete a series of core courses and a thesis research project, as well as at least 1 to 2 electives (which may include graduate courses offered at the University of Nebraska Omaha and/or Lincoln campuses) with the approval of their Advisory Committee.

General Requirements

- Completion of coursework
- Completion of the comprehensive examination
- Completion of a research project consistent with a master's level achievement
- Completion and successful defense of a master's thesis

Coursework

Code	Title	Credit Hours
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Required Courses

PHSC 802	ESSENTIALS OF DRUG DISCOVERY AND DEVELOPMENT	3
PHSC 845	QUANTITATIVE PHARMACEUTICAL ANALYSIS	3
PHSC 885	PHYSICAL PHARMACY	3
PHSC 910	PHARMACOKINETICS AND BIOPHARMACEUTICS	3
PHSC 960	CURRENT TOPICS IN THE PHARMACEUTICAL SCIENCES (each Fall and Spring)	1
PHSC 970	SEMINAR (each Fall and Spring)	1
PHSC 899	MASTERS THESIS	1-9

Electives (minimum of 1 course)

Students will work with their Advisory Committee to determine the appropriate elective courses

Coursework for Pharmacy Health Services and Evaluation and Research Track

Code	Title	Credit Hours
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Required Courses

PHSC 800	PHARMACY HEALTH SERVICES EVALUATION & RESEARCH METHODS I	2
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PHSC 801	PHARMACY HEALTH SERVICES EVALUATION & RESEARCH METHODS II	2
PHSC 802	ESSENTIALS OF DRUG DISCOVERY AND DEVELOPMENT	3
BIOS 806	BIOSTATISTICS	3
BIOS 808	BIOSTATISTICS II	3
EPI 820	EPIDEMIOLOGY IN PUBLIC HEALTH	3
PHSC 899	MASTERS THESIS	1-9
PHSC 910	PHARMACOKINETICS AND BIOPHARMACEUTICS	3
PHSC 970	SEMINAR	1

Electives (minimum of 2 courses) with at least one in the area of statistics/study design

Students will work with their Advisory Committee to determine the appropriate elective courses