

Emphasis - Environmental Toxicology

- [M.S. in Pharmaceutical Sciences](#)
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M.S. in Pharmaceutical Sciences Description

The M.S. in pharmaceutical sciences can be completed with an emphasis in environmental toxicology, medicinal chemistry, pharmaceuticals, pharmacology, pharmacognosy, or pharmacy administration.

Minimum Total Credit Hours: 30

Course Requirements

Requirements for each emphasis area are given in the respective program description sections. Each emphasis area requires students to complete a minimum of 24 semester hours of course work and 6 hours of thesis.

Emphasis - Environmental Toxicology Description

The M.S. in pharmaceutical sciences with emphasis in environmental toxicology prepares a graduate to perform research and solve problems related to environmental health issues. Graduates are likely to find careers in academics, industry, or government service.

Note: For more information, refer to the student handbook

[Graduate Student Handbook](#)

Goals/Mission Statement

The academic mission of the Department of BioMolecular Sciences, Division Environmental Toxicology is to conduct research and educational activities that seek to identify and resolve problems related to environmental health issues.

Course Requirements

The requirements for the M.S. with emphasis in environmental toxicology consist of a minimum of 14 core course hours:

- PHCL 675: Principles of Pharmacology and Toxicology (4 hours)
- PHCL 547: Environmental Toxicology (2 hours)
- BMS 767: Advanced Topics in Toxicology (2 hours)
- BISC 504: Biometry (4 hours)
- BMS 601: Graduate Student Survival Strategies (2 hours)

in addition to a minimum of 6 course hour electives, exclusive of graded seminars (see below), from BioMolecular Sciences, Biology, Chemistry, Engineering or other graduate level programs (contingent upon Division of Environmental Toxicology faculty approval).

Seminar Requirement

Students are required to register for BMS 643 (Z-grade) every semester, with the exception of those semesters in which the student presents a seminar and instead registers for BMS 641 (graded). No more than 4 seminar hours can be used toward the 24 minimum total credit hours.

A minimum of 6 hours of thesis research must also be taken to meet degree requirements.

Other Academic Requirements

A thesis based upon experimental work in the general area of environmental toxicology is required.

Degree Requirements and Expectations

Environmental toxicology graduate students must meet a high level of academic achievement to maintain eligibility. Students are expected to maintain an overall GPA of at least 3.0 (B).

