**Emphasis - Environmental Toxicology**
- M.S. in Pharmaceutical Sciences
  - Emphasis - Environmental Toxicology

**M.S. in Pharmaceutical Sciences**

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

**Minimum Total Credit Hours: 31**

**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 academia, industry, or government service.

**Course Requirements**
The requirements for the M.S. with emphasis in environmental toxicology consist of a minimum of 13 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 (3 hours)
- BMS 601: Graduate Student Survival Strategies (2 hours)

Additionally, a minimum of 7 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.