**Emphasis - Pharmacognosy**
- M.S. in Pharmaceutical Sciences
- Emphasis - Pharmacognosy

**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 - Pharmacognosy**

**Description**
The M.S. in pharmaceutical sciences with emphasis in pharmacognosy involves the study of bioactive natural substances found in terrestrial and marine organisms.

**Course Requirements**
Requirements for the M.S. with an emphasis in pharmacognosy include:
- Biosynthesis (Phcg 627), 3 hours
- Advanced Biochemistry (Phcg 620, Phcl 669, or equivalent), 3 hours
- Graduate Student Survival Strategies (BMS 601), 2 hours

Students will need to select at least 12 additional elective hours (approved by their committee) at least one of which must be selected from approved offerings outside the department.

**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 pharmacognosy is required.