

## Emphasis - Pharmacognosy

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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: 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 emphasis in pharmacognosy include 1. Seminar on Topics of Interest in Natural Products (Phcg 543, 643) 2 hours; 2. Natural Product Chemistry (Phcg 627, 628), 6 hours; 3. Selected Topics in Pharmacognosy (Phcg 620): Introduction to Molecular Cell Biology, 6 hours. The master's candidate will present a minimum of 24 hours of credit in course work past the baccalaureate in addition to 6 hours in thesis (Phcg 697). The student will need to select at least two additional elective courses, at least one of which must be selected from offerings outside the department.

An M.S. candidate must present two seminars, one on a selected topic and one involving his/her thesis defense.

#### Other Academic Requirements

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

#### Degree Requirements

The academic regulations for this degree program, as entered in the University of Mississippi Catalog, are in effect for the current or selected academic year and semester. The University of Mississippi reserves the right to 1) change or withdraw courses; 2) change rules for registration, instruction, and graduation; and 3) change other regulations affecting the student body at any time.

### M.S. in Pharmaceutical Sciences

| REQUIREMENT              | HOURS | DESCRIPTION                                                                                                                                                                                                                                                    |
|--------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Select an emphasis       |       | Student must enroll in one of the M.S. in Pharmaceutical Sciences emphasis areas: medicinal chemistry, pharmaceuticals, pharmacognosy, environmental toxicology, pharmacy administration or pharmacology/toxicology,                                           |
| GPA requirements         |       | A cumulative average of not less than 3.0 (B) must be achieved in all graduate work taken.                                                                                                                                                                     |
| Pharmacy Dean's approval |       | This Degree Audit program is an advising tool only. The dean's office will make the final certification that the student qualifies for graduation. The dean's office will also determine if other university or school requirements (GPA, etc.) have been met. |

### Emphasis - Pharmacognosy

| REQUIREMENT                      | HOURS | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <a href="#">Phcg 543</a> - C min | 1     | Complete <a href="#">Phcg 543</a> with a grade of C or better.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <a href="#">Phcg 620</a> - C min | 3     | Complete <a href="#">Phcg 620</a> with a grade of C or better.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <a href="#">Phcg 627</a> - C min | 3     | Complete <a href="#">Phcg 627</a> with a grade of C or better.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <a href="#">Phcg 628</a> - C min | 3     | Complete <a href="#">Phcg 628</a> with a grade of C or better.                                                                                                                                                                                                                                                                                                                                                                                                   |
| <a href="#">Phcg 643</a>         | 1     | Successfully complete <a href="#">Phcg 643</a> .                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <a href="#">Phcg 697</a>         | 6     | Complete at least 6 hours of thesis ( <a href="#">Phcg 697</a> ).                                                                                                                                                                                                                                                                                                                                                                                                |
| Elective courses                 | 2     | Student must complete at least two additional elective courses, at least one of which must be selected from offerings outside the department. Each course must be approved by the student's GPC/Chair and completed with a grade of C or better.                                                                                                                                                                                                                 |
| Submit Thesis                    |       | Student must submit a thesis to his/her GPC/Chair. Regulations governing the style, format, paper, abstract and other matters may be found in "A Manual of Thesis and Dissertations" available in the Graduate School Office. After the oral examination has been accepted, the student must present to the Graduate School two unbound copies of the thesis. A copy of the abstract and the thesis binding fee receipt must accompany the copies of the thesis. |



| REQUIREMENT    | HOURS | DESCRIPTION                                |
|----------------|-------|--------------------------------------------|
| Thesis defense |       | Student must orally defend his/her thesis. |

