

## Emphasis - Pharmacy Administration

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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 - Pharmacy Administration** **Description**

The Department of Pharmacy Administration prepares graduates to be social and behavioral scientists who apply and develop theories to understand aspects of the health-care arena and its participants. Examples of specific areas of inquiry include the marketing and economics of pharmaceuticals, patient and provider behaviors in the health-care system, management strategies within health systems, the health outcomes associated with using pharmaceuticals, and the roles of pharmacists in delivering and managing health care. This scientific discipline is particularly interested in how these areas are influenced by pharmacists and other health-care providers, pharmaceutical manufacturers, governmental entities, and pharmaceuticals. A graduate degree in pharmacy administration affords excellent career opportunities in a variety of settings. The graduate program has maintained an exceptional track record in placing graduates. Graduates of the program have obtained positions in academia, the pharmaceutical industry, managed care organizations, professional associations, consulting and marketing research firms, government agencies, hospitals, and health-care journal publication agencies. In academia, the program has produced several chairs of pharmacy administration departments and deans of pharmacy schools nationwide. In the pharmaceutical industry, many alumni have quickly risen to senior management positions in marketing, health/pharmaceutical economics, and pharmacy affairs. Other graduates of the program have secured key positions in the federal and state governments and professional associations in pharmacy.

#### **Admission Requirements:**

**Application deadline: February 1**

Applicants must have a B.S. degree in pharmacy, a B.S. degree in pharmaceutical sciences, or higher. (A degree in a discipline related to marketing, management, or economics also may be considered for admission upon demonstration of a commitment to pursuing a career in the field of pharmacy or the pharmaceutical industry.) College transcripts with a minimum of a B average (3.0 on a 4.0 scale) are required. Applicants must take and submit the scores from either the GRE or the GMAT. International applicants also must take the TOEFL examination and score at least 600 (paper-based test). Three letters of recommendation, an interview, a statement of purpose, and/or written responses to career questions also are used to evaluate candidates.

#### **Program Objectives:**

The graduate program in pharmacy administration has the following objectives for its graduate program. - To prepare highly qualified graduate students for careers in academia, industry, and other settings with training in management, marketing, and economics of pharmaceuticals and pharmacy practice - To maintain highly productive teaching and research programs that facilitate the acquisition of abilities necessary to create new knowledge - To maintain a leadership role in state and national organizations relevant to the discipline - To provide consultative services to pharmacists, the pharmaceutical industry, and other interested entities in the areas of faculty and graduate student expertise

#### **Course Requirements**

Required Courses (21 credits) Psy 603/Edrs 501/Soc 501 - Statistics Phad 579-Primary Data Techniques Phad 688-Research Methods in Pharmacy Administration Phad 689-Pharmaceutical and Healthcare Policy Phad 693-Health Economics Phad 687-Secondary Data Techniques Phad 692-Drug Development and Marketing

3 Electives approved by advisor (9 credits)

Thesis—Phad 697 (6 credits)

#### **Other Academic Requirements**

In addition to the course requirements, each student must participate and complete an orientation to the discipline of pharmacy administration and register for departmental seminar (Phad 543/544) each semester (1 credit hour per semester). Each student must also prepare and successfully defend a thesis prospectus, and complete and defend his or her thesis project.

#### **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.   |



| REQUIREMENT              | HOURS | DESCRIPTION  |
|--------------------------|-------|--|
| 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 - Pharmacy Administration

| REQUIREMENT                      | HOURS | DESCRIPTION  |
|----------------------------------|-------|--|
| <a href="#">Phad 543/544</a>     |       | In addition to the course requirements, student must register for departmental seminar ( <a href="#">Phad 543/544</a> ) each semester (1 credit hour per semester).  |
| <a href="#">Phad 579</a> - C min | 3     | Complete <a href="#">Phad 579</a> with a grade of C or better.   |
| <a href="#">Phad 687</a> - C min | 3     | Complete <a href="#">Phad 687</a> with a grade of C or better.   |
| <a href="#">Phad 688</a> - C min | 3     | Complete <a href="#">Phad 688</a> with a grade of C or better.   |
| <a href="#">Phad 689</a> - C min | 3     | Complete <a href="#">Phad 689</a> with a grade of C or better.   |
| <a href="#">Phad 692</a> - C min | 3     | Complete <a href="#">Phad 692</a> with a grade of C or better.   |
| <a href="#">Phad 693</a> - C min | 3     | Complete <a href="#">Phad 693</a> with a grade of C or better.   |
| <a href="#">Phad 697</a>         | 6     | Complete at least 6 hours of thesis ( <a href="#">Phad 697</a> ).  |
| Elective courses                 | 9     | Student must complete at least 9 semester hours of elective course work. Courses must be approved by the student's GPC/Chair.  |
| Pharmacy admin orientation       |       | In addition to the course requirements, each student must participate and complete an orientation to the discipline of pharmacy administration.  |
| Statistics course                | 3     | Student must complete one of the following statistics courses with a grade of C or better: <a href="#">Psy 603</a> , <a href="#">Edrs 501</a> , or <a href="#">Soc 501</a> .   |
| 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. |
| Thesis defense                   |       | Student must orally defend his/her thesis.   |

