PHARMACEUTICAL SCIENCES (MS) - PHARMACEUTICS EMPHASIS

Description

The M.S. in pharmaceutical sciences can be completed with an emphasis in environmental toxicology, industrial pharmacy, medicinal chemistry, pharmaceutics, 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 - Pharmaceutics

Description

Minimum Credit hours required for M.S. in Pharmaceutical Sciences with an emphasis in Pharmaceutics: 33

The M.S. in pharmaceutical sciences with emphasis in pharmaceutics deals with the science of dosage form design and embraces all facets of the process of turning a new chemical entity into a medication that can be safely and effectively used by patients.

Course Requirements

The M.S. in pharmaceutical sciences with an emphasis in pharmaceutics requires 27 semester hours of course work.

Code	Title	Hours
Core Courses		
BISC 5004	Biometry	3-4
or PBHL 6260	Statistical Analysis I	
BMSC 6010	Graduate Student Survival Strategies	2
or GRAD 6000	Research Ethics	
PHAR 7600	Applied Pharmacokinetics	3
PHAR 7490	Product Development	3
PHAR 6500	Formulation Development	3
PHAR 7410	Advanced Pharmaceutics	4
Electives		
Select at least two of the following:		3-6
PHAR 7440	Stability of Pharmaceutical Systems	
CHME 5450	Colloid and Surface Science	
PHAR 7500	Applied Pharmaceutics	
PHAR 7350	Analytical Pharmaceutics	
PHAR 6580	Pharmaceutical Manufacturing	
PHAR 6510	Regulatory Science I	
PHAR 6520	Regulatory Science II	
PHAR 5410	Problems in Pharmaceutics	
or PHAR 5420	Problems in Pharmaceutics	
CHME 5430	Introduction to Polymer Science	

Additional courses may be required by the student's graduate adviser and/or advisory committee. If a required course is unavailable, the Department of Pharmaceutics and Drug Delivery graduate faculty may approve an alternative course for a particular student.

Seminar Requirement

Students are required to register for PHAR 5430 Seminar in Current Pharm. Topics or PHAR 5440 Seminar in Current Pharm. Topics every semester. No more than 1 seminar hour can be used toward the 27 minimum total credit hours.

Other Academic Requirements

A thesis based upon experimental work in the general area of pharmaceutics is also required. **Enrollment in a minimum of 6 thesis hours is required** with at least 3 research hours (thesis) in the last semester.

Prior to the student's thesis defense, the student must have a minimum of one completed manuscript ready for submission to a referred journal for publication.

The policies and regulations contained in this online University of Mississippi Catalog are in effect for the current or selected semester. The catalog is not a contract, but rather a guide for the convenience of students. The University of Mississippi reserves the right to:

1. change or withdraw courses;
2. change the fees, rules, and schedules for admission, registration, instruction, and graduation; and
3. change other regulations affecting the student body at any time.

Implicit in each student's enrollment with the university is an agreement to comply with university rules and regulations, which the university may modify to exercise properly its educational responsibility.

Admission

Admission to the M.S. in pharmaceutical sciences with an emphasis in pharmaceutics in the Department of Pharmaceutics and Drug Delivery is open to superior students with a Bachelor of Science degree in pharmacy, chemistry, biology, chemical engineering, biotechnology, or a related area. A "B" average or better in undergraduate and graduate coursework is required for consideration for admission. Admission is competitive, so it is unlikely that all students who meet the minimum requirements will be admitted.

Our program encourages but does not require the GRE test score submission for those applying for fall (application deadline: April 1) or spring (application deadline: October 1) semester admissions. You are **not** required to submit GRE scores, and applications without GRE scores will be given full consideration. You may choose to submit scores if you have them, and they will be considered by the graduate faculty.

International applicants whose primary language is not English and/or who have completed their secondary or tertiary education primarily outside of the U.S. must submit official scores from the acceptable tests found on University of Mississippi's International Student and Scholar Services listing of English language requirements.

Two letters of recommendation, a resume, and a statement of purpose are used to evaluate candidates. You may apply to all of the graduate programs online and get additional application information from the University of Mississippi Graduate School website.