

PHARMACEUTICAL SCIENCES, M.A. (NON-THESIS OPTION)

Program Description

The Department of Pharmaceutical Sciences and Research at the Marshall University School of Pharmacy offers the Master of Science (M.S.) (thesis and non-thesis options) degree with a major in Pharmaceutical Sciences. Students may complete the requirements for a M.S. under a faculty mentor in areas ranging from cellular and molecular pharmacology to antibiotic formulation and methods of drug delivery.

The M.S. (Thesis) degree in Pharmaceutical Sciences is preparation for further study or employment requiring pharmaceutical research experience and requires a thesis. An M.S. student must be mentored by a faculty member, so applicants are encouraged (but not required) to contact potential faculty advisors about research projects and graduate assistantships prior to applying for admission. Information about faculty may be accessed through the School of Pharmacy website (www.marshall.edu/pharmacy/about-us/staff-directory (<http://www.marshall.edu/pharmacy/about-us/staff-directory/>)). The M.S. (non-thesis) degree does not require a thesis and allows students to strengthen their education in Pharmaceutical Sciences through the completion of advanced coursework and a research program.

Admission Requirements

Applicants should follow the admissions process described in this catalog or at the Graduate Admissions website at www.marshall.edu/graduate/admissions/how-to-apply-for-admission (<https://www.marshall.edu/graduate/admissions/how-to-apply-for-admission/>). Applicants are strongly encouraged to apply by April 15 for matriculation in the Fall semester or by November 15 for matriculation in the Spring semester. However, applications will be considered on a rolling basis as long as there is capacity remaining in the program.

Applicants should request that the following materials be sent directly to the Graduate Admissions Office:

- Two letters of recommendation from academic or professional references;
- Official transcripts from degree-granting institution (additional transcripts may be required at the discretion of the program).

Applicant must also have:

- An earned baccalaureate degree from an accepted, accredited institution with a degree GPA of 3.0 on a 4.0 scale. No entrance exam is required. However, Graduate Record Exam (GRE) scores may be submitted to strengthen your application. Prior to admission, prospective students must also complete an on-site or video interview.

Graduate Assistantships

A limited number of graduate assistantships are available on a competitive basis. Additional information is provided on the Graduate College graduate assistantship overview web page: www.marshall.edu/graduate/graduate-assistantship-overview/ (<https://www.marshall.edu/graduate/graduate-assistantship-overview/>).

For additional financial aid information, visit Marshall University's financial aid website (www.marshall.edu/sfa/ (<https://www.marshall.edu/sfa/>)) or contact the financial aid office to speak with a representative (304-696-3162).

Program Requirements

Requirement for All Degrees

A Plan of Study approved by the student's advisor must be submitted for approval to the Graduate College Dean before the student registers for his or her 12th semester hour. The Plan of Study is a student's "blueprint" for completing graduation requirements. Students must also have a thesis committee (M.S.) or advising committee (M.A.) consisting of no fewer than three faculty (including the student's advisor) assembled by the end of their first year. Students must meet with their committees at least once within their first year and at least once per semester (excluding the defense) in subsequent years.

M.A. Degree Requirements for Non-Thesis Option

- Students must complete the required graduate coursework as noted in the following section.
- Candidates must register for and participate in MSPS 542 Science Seminars, Graduate Seminar, during each of the semesters in which they are actively enrolled in the graduate program.
- Not more than 4 hours of Graduate Seminar (MSPS 542 Science Seminars) may be used to complete the M.A. program credit requirement.
- Not more than 4 semester hours credit in Independent Study or Special Topics can be used to complete the elective requirements.
- Successful completion of the master's in Pharmaceutical Sciences requires a GPA of 3.0 or higher, and no more than 6 credit hours of C grades may be applied to the total hours for graduation.

Plan of Study

Course	Title	Credit Hours
First Year		
First Semester		
PHAR 531	Biopharmaceutics I	3
PHAR 521	Integrated Laboratory I	2
MSPS 531	Regulatory Affairs	3
MSPS 512	Med Chem & Drug Disc	1
MSPS 542	Science Seminars	1
	Credit Hours	10
Second Semester		
PHAR 532	Biopharmaceutics II	3
MSPS 513	Biopharm 2	1
MSPS 542	Science Seminars	1
BMR 664	ORDRC Colloquium	1

MSPS 585	Independent Study	3
Credit Hours		9
Second Year		
Third Semester		
PHAR 631	Pharmacometrics	3
MSPS 613	Pharmacometrics Recitation	1
MSPS 612	Pharm Analysis	1
MSPS 581	Special Topics	3
MSPS 542	Science Seminars	1
Credit Hours		9
Fourth Semester		
MSPS 542	Science Seminars	1
MSPS 581	Special Topics	3
MSPS 632	Prod Dev by Quality Design	3
Required Course - See Advisor		2
Credit Hours		9
Total Credit Hours		37