

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

Program Description

The Department of Pharmaceutical Sciences at the Marshall University School of Pharmacy offers the Master of Arts (M.A.) (non-thesis option). The M.A. degree track prepares students for further graduate study or employment in the pharmaceutical sciences.

Admission Requirements

Applications may be submitted under the Graduate applicant link on Marshall University's Admissions website (<https://www.marshall.edu/admissions/apply/>). Requirements for program admission include:

- An earned baccalaureate degree from an accepted, accredited institution with a recommended degree GPA of 3.0 on a 4.0 scale.
- 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)
- No entrance exam is required; however, a Graduate Record Exam (GRE) score may be submitted to strengthen an application.
- Complete an on-site or video interview.
- International applicants are required to have earned a Test of English as a Foreign Language (TOEFL) score of at least 80 or minimal score on an alternative test to demonstrate language proficiency. Please visit the international applicants section under Admissions in this catalog for more information.

Program Requirements

Requirement for All Degrees

A Plan of Study approved by the student's advisor must be submitted for approval to the director of graduate studies before the student registers for his or her 12th semester hour. The Plan of Study is a student's "blueprint" for completing the graduation requirements.

M.A. Degree Requirements for Non-Thesis Option

- Students must complete the required 32 hours of graduate 500-800 level coursework with a minimum of 16 hours of 600 or higher level courses in any campus college or school.
- 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.

Plan of Study

Code	Title	Credit Hours
The following core curriculum courses are required including four one-credit classes of MSPS 542		
MSPS 561	Biopharmaceutics I	1

or PHAR 531	Biopharmaceutics I	
MSPS 562	Biopharmaceutics II	
or PHAR 532	Biopharmaceutics II	
MSPS 544	Prin Dis Drug Action	
or PHAR 544	Prin of Disease & Drug Action	
MSPS 542	Science Seminars	
Eighteen (18) credit hours of electives are required. Electives include, but are not limited to:		18
MSPS 511	Grad Research Seminar	
MSPS 512	Med Chem & Drug Disc	
MSPS 513	Biopharm 2	
MSPS 514	Resb Conduct Research	
MSPS 531	Regulatory Affairs	
MSPS 581	Special Topics	
MSPS 613	Pharmacometrics Recitation	
MSPS 632	Prod Dev by Quality Design	
MSPS 685	Independent Study	
MSPS 686	Problem Report	
PHAR 523	Pharmacogenomics	
PHAR 537	Pharmacokinetics	
PHAR 542	Immunology and Microbiology	
PHAR 547	Pharmaceutical Chemistry	
PHAR 635	Research Outcomes Patient Care	
PHAR 801	Special Topics I	
PHAR 802	Special Topics II	
Total Credit Hours		32