

# PHARMACY, DUAL DEGREE: PHARM.D. AND M.A. (PS)

Students admitted to the School of Pharmacy Doctor of Pharmacy program may also seek admission to pursue a Master of Arts (M.A.) degree in Pharmaceutical Sciences. The application procedure and the student's enrollment status will vary depending on the student's undergraduate degree.

All students wishing to pursue the dual degree option must first consult with the Pharm. D. advisor regarding when they should apply for admission. Students who are admitted to the M.A. (PS) program will be advised by a Pharm.D. advisor and an M.A. (PS) advisor. The advisors are responsible for ensuring students are making appropriate progress toward both degrees, enroll in the proper sequence of courses, and enroll in the proper section of the courses.

## Admission Requirements

Students who wish to pursue the dual degree- PharmD/MA (PS) program must first be admitted to the Doctor of Pharmacy program and then must complete and submit to the graduate college, an application that meets the following requirements for admission.

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 institutions (additional transcripts may be required, at the discretion of the program). International students must submit transcripts evaluated by a credentialing agency such as WES or a member of NACES.
- 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.
- All applicants, regardless of citizenship, must provide proof of English proficiency to be considered for admission to Marshall University. English proficiency requirements are available here: <https://www.marshall.edu/international-admissions/proof-of-english-proficiency/>.

## Graduation Requirements

### Requirements for M.A. Degree:

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 (<https://catalog.marshall.edu/search/?P=MSPS%20542>) Science Seminars) may be used to complete the M.A. program credit requirement.
- Not more than 4 semester hours credit in Independent Study or 8 semester hours of Special Topics can be used to complete the elective requirements.
- A maximum of 12 semester credit hours from the Doctor of Pharmacy program may be approved for dual credit as indicated in the student's plan of study.

### Requirements for Doctor of Pharmacy Degree (PharmD):

#### Academic Performance

Students are eligible for graduation upon successful completion of all academic (courses and examinations) and clinical (experiential learning) coursework. The student must earn a minimum of 155 semester credit hours. The expected graduation grade point average is 3.0 with the minimum grade point average of 2.5. The student is responsible for knowing and satisfying degree and graduation requirements. Students must be enrolled in the term in which they plan to graduate.

The following courses apply to both the MA and PHARM D

#### Time Limitations (for all degrees):

If a student has not completed his/her Pharm.D./M.A. degrees within six years from the end of the first course to be counted toward his/her degrees, and if the student has not been enrolled in a course toward that degree for the most recent one year when that seven-year limit is reached (meaning the sixth year), then the student will be dropped from the program. To continue to work on that degree, the student must reapply for admission to that degree program through the regular graduate admission process, and pay the appropriate admission fees.

## Plan of Study

Successful completion of the required curriculum will result in both a PharmD degree and an MA in Pharmaceutical Sciences.

\*Please note that 12 credit hours from PharmD Program are dual counted towards the MA degree.

The curriculum is designed to be completed over 4 years/ 11 semesters. A summary of the courses composing the curriculum is found below:

### Recommended Plan of Study for the Dual Degree Program

First Year		Credit Hours
Fall		
PHAR 512	Pharmacy Skills Lab I	2
PHAR 524	Drug Info & Comm Skills	2
PHAR 531	Biopharmaceutics I (Dual credit course for MSPS 561)	3
PHAR 533	Introduction to Pharmacy 1	3
PHAR 542	Immunology and Microbiology	4
PHAR 547	Pharmaceutical Chemistry	4
PHAR 591	Cont Prof Dev (CPD) 1	1

MSPS 542	Science Seminars (MA Requirement)	1
<b>Credit Hours</b>		<b>20</b>
<b>Spring</b>		
PHAR 523	Pharmacogenomics (Dual credit course for MSPS 581)	2
PHAR 592	Cont Prof Dev (CPD) 2	1
PHAR 532	Biopharmaceutics II (Dual credit course for MSPS 562)	3
PHAR 536	Introduction to Pharmacy 2	3
PHAR 537	Pharmacokinetics	3
PHAR 538	Pharmacy Skills Lab 2	3
PHAR 544	Prin of Disease & Drug Action (Dual credit course for MSPS 544)	4
MSPS 542	Science Seminars (MA Requirement)	1
<b>Credit Hours</b>		<b>20</b>
<b>Summer</b>		
PHAR 548	Intro to Community Pharm IPPE	0
PHAR 550	Intro to Institutional IPPE	0
<b>Credit Hours</b>		<b>0</b>
<b>Second Year</b>		
<b>Fall</b>		
PHAR 623	Patient Safety	2
PHAR 593	Cont Prof Dev (CPD) 3	1
PHAR 635	Research Outcomes Patient Care	3
PHAR 636	Pharm Skills Lab III	3
PHAR 641	Therapeutics 1 - OTC/Self-Care	4
PHAR 662	Pharmacy Administration	6
MSPS 542	Science Seminars (MA Requirement)	1
MSPS 681	Special Topics (MA Requirement)	4
<b>Credit Hours</b>		<b>24</b>
<b>Spring</b>		
MSPS 542	Science Seminars (MA Requirement)	1
PHAR 637	Pharm Skills Lab IV	3
MSPS 682	Special Topics (MA Requirement)	3
PHAR 594	Cont Prof Dev (CPD) 4	1
PHAR 652	Therapeutics 2 - Cardiology	5
PHAR 643	Therapeutics 3 GI & Renal	4
PHAR 644	Therapeutics 4 - Endocrine	4
PHAR 801	Special Topics I (PharmD Program Elective) <sup>1</sup>	3
<b>Credit Hours</b>		<b>24</b>
<b>Summer</b>		
PHAR 649	Intro Outpt Clin Skills IPPE	0
PHAR 650	Intro Inpat Clin Skills IPPE	0
<b>Credit Hours</b>		<b>0</b>
<b>Third Year</b>		
<b>Fall</b>		
PHAR 735	Pharmacy Law & Ethics	3
PHAR 595	Cont Prof Dev (CPD) 5	1
PHAR 737	Pharmacy Skills Lab 5	3
PHAR 752	Therapeutics 6 - Neuro/Psych	5
PHAR 762	Infect Disease Therapeutics	5

MSPS 685	Independent Study (MA Requirement)	3
<b>Credit Hours</b>		<b>20</b>
<b>Spring</b>		
PHAR 724	Special Populations	3
PHAR 596	Cont Prof Dev (CPD) 6	1
PHAR 730	Therapeutics 8 - Derm/Opht/MUS	3
PHAR 743	Therapeutics 9 - Hem/Oncology	4
PHAR 736	Pharmacy Skills Lab 6	3
PHAR 802	Special Topics II (PharmD Elective)	3
MSPS 632	Prod Dev by Quality Design (MA Requirement)	3
<b>Credit Hours</b>		<b>20</b>
<b>Summer</b>		
PHAR 881	APPE - Adv Inpat Clin Skills	5
PHAR 882	APPE - Adv Outpat Clin Skills	5
<b>Credit Hours</b>		<b>10</b>
<b>Fourth Year</b>		
<b>Fall</b>		
PHAR 883	APPE - Advanced Community	5
PHAR 884	APPE 4-Adv Institutional	5
PHAR 885	APPE - Transitions of Care	5
PHAR 891	Pharmacy Capstone I	2
<b>Credit Hours</b>		<b>17</b>
<b>Spring</b>		
PHAR 886	APPE - Diverse Populations	5
PHAR 887	APPE - Elective (10 hours as 2 courses, 5 SCH repeatable)	10
MSPS 686	Problem Report (MA Requirement)	3
PHAR 892	Pharmacy Capstone 2	2
<b>Credit Hours</b>		<b>20</b>
<b>Total Credit Hours</b>		<b>175</b>