

**The University of Montana  
Skaggs School of Pharmacy  
Pre-Pharmacy Curriculum**

**REQUIRED Doctor of Pharmacy (Pharm.D.) Prerequisites**

The courses shown here must be completed before entering the professional program. Please note that some courses may have prerequisites which are not listed below. **All required pre-pharmacy courses must be completed with a grade of C- or better. Grades lower than C- are not acceptable.** A total of 64 credits should be acquired before beginning the Pharm.D. degree program. Work with your pre-pharmacy advisor to select appropriate courses.

**Pre-Pharmacy First Year**

| Subject & Course #     | Course Title                 | Autumn  | Spring | Total Credits |
|------------------------|------------------------------|---|--------|---------------|
| BIOH 112 & 113         | Human Form & Function I & II | 3   | 3      | 6             |
| CHMY 141/142 & 143/144 | College Chemistry I & II     | 5   | 5      | 10            |
| M 162                  | Applied Calculus             | Either semester                               |        | 4             |
| WRIT 101               | College Writing I            | Either semester,<br>depending on last<br>name |        | 3             |
|                        | Electives                    | Either semester                               |        | 7             |

**Pre-Pharmacy Second Year**

| Subject & Course #    | Course Title                   | Autumn          | Spring | Total Credits |
|-----------------------|--------------------------------|-----------------|--------|---------------|
| BIOB 260              | Cell/Molecular Bio             | 4               | -      | 4             |
| CHMY 221, 222, & 223  | Organic Chemistry I, lab, & II | 3, 2            | 3      | 8             |
| PHSX 205N & 206N      | College Physics I & lab        | -               | 4, 1   | 5             |
| <sup>1</sup> STAT 216 | Introduction to Statistics     | Either semester |        | 4             |
|                       | Electives                      | Either semester |        | 7             |

**Either year, any semester – Required**

| Subject & Course #     | Course Title                         | Credits |
|------------------------|--------------------------------------|---------|
| PSYX 100S or SOCI 101S | Intro to Psychology or Sociology     | 3       |
| THTR 120A or COMX 111A | Intro to Acting I or Public Speaking | 3       |

<sup>1</sup> Other acceptable courses for the Statistics requirement include PSYX 222 or SOCI 202.

**Additional Doctor of Pharmacy (Pharm.D.) Application Requirements**

Students applying for admission will be required to complete at least 20 hours of observation in a patient care site that is in a medical or social field; a pharmacy site is preferred. The experience may be voluntary or paid (e.g., pharmacy clerk or technician), and a letter of reference from someone at the site is required. To get the letter, the applicant needs to provide PharmCAS with the email address of the person serving as the reference.

The PCAT is **NO longer required**. The test was discontinued on January 10, 2024.

# GUIDELINES FOR OBSERVATION\* IN A HEALTH CARE FACILITY (PREFERRED) OR SOCIAL FIELD

20 hours are required for the Doctor of Pharmacy Application

|   |
|---|
| Observation experience available at a good site might include:  |
| An opportunity to demonstrate effective interpersonal communication skills with a variety of people.                                    |
| An opportunity to provide a helping service for clients who seek assistance in achieving their full potential.                          |
| Regular supervision and observation of the quality of service provided by the student for clients.                                      |
| An opportunity to demonstrate responsibility, sound judgement, maturity, and dependability.   |
| An opportunity to demonstrate organizational skills, and time management.   |
| A learning environment that enhances a student's preparation for the varied career requirements involved with the practice of pharmacy. |

\* Experience may be paid (e.g. pharmacy clerk or technician) or voluntary.

## OPTIONAL Bachelor of Science (BS) in Pharmaceutical Sciences for Pharm.D. Students

Students admitted to the Pharm.D. program have the option to earn a BS in Pharmaceutical Sciences at the end of their third year of pharmacy school. This additional degree does NOT make students eligible for licensure; only the Pharm.D. can do that. Students pursuing this option should work with their academic advisor to ensure they will meet all of the UM General Education requirements prior to beginning the Pharm.D. program.

Either Year, any semester – Recommended courses to fulfill UM General Education requirements

| Subject & Course #                              | Course Title  | Credits |
|---|---|---------|
| <sup>2</sup> ANTY 101H or NASX 105H             | Anthropology & the Human Experience or Intro to Native American Studies   | 3       |
| <sup>3</sup> LIT 110L or 120L                   | Intro to Literature or Poetry   | 3       |
| <sup>4</sup> ANTY 122S, HSTR 101H, or HSTA 101H | Race & Minorities, Western Civilization, or American History I            | 3 or 4  |
| See catalog for approved courses                | Intermediate College Writing (Lit 110L or Lit 120L meet this requirement) | 3       |

<sup>2</sup> ANTY 101H & NASX 105H are double-dipper General Education courses (Group VI & X).

<sup>3</sup> LIT 110L & LIT 120L are double-dipper General Education courses (writing course and Group V).

<sup>4</sup> Select one course to meet the Democracy and Citizenship (Group IX) for General Education.