DOCTOR OF PHARMACY

Special Degree Requirements
Refer to graduation requirements (catalog.umt.edu/academics/graduation-requirements) listed previously in the catalog.

Degree candidates must:

1. Meet the general University requirements for graduation.
2. Earn a grade point average of 2.0 or higher in each of the following areas:
   a. all courses attempted at The University of Montana-Missoula (cumulative GPA).
   b. all courses which carry a pharmacy (PHAR) prefix (pharmacy GPA).
   c. all required courses in the professional pharmacy curriculum (professional GPA).
3. Required pharmacy course work must be completed with a grade of C- or better.
4. Complete at least six full academic years, including pre-pharmacy instruction, and a minimum of eight semesters of professional instruction as a full-time student registered for a minimum of twelve credits per semester.
5. Complete not less than 200 credits of course work.

Licensure in Montana
An applicant for licensure as a registered pharmacist in Montana must pass national examinations as required by the Montana State Board of Pharmacy. To qualify for the examinations, the applicant must be of good moral character and a graduate of an accredited school of pharmacy; however, an applicant will not receive a license until all requirements have been met.

Pre-Pharmacy Curriculum
The courses shown here must be completed before entering the professional pharmacy program. The sequence of courses is illustrative and, if proper prerequisites are satisfied, the student may alter the order in which the courses are taken.

In addition, applicants to the professional pharmacy program must present proof of having completed at least 20 hours of volunteer or paid service in a pharmacy, other health care, or social field, a writing assignment about the experience, and one evaluation form from someone involved with the applicant in such an experience. The Pharmacy College Admission Test (PCAT) must be taken within two years of application.

Pre-Pharmacy First Year

<table>
<thead>
<tr>
<th>CHMY 141N</th>
<th>CHMY 142N</th>
<th>CHMY 143N</th>
<th>CHMY 144N</th>
<th>M 162</th>
<th>BIOH 112</th>
<th>BIOH 113</th>
<th>WRIT 101</th>
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<tr>
<td>College Chemistry I and College Chemistry I Lab</td>
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<td>College Chemistry II and College Chemistry II Lab</td>
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<tr>
<td>Applied Calculus (prereq. M 151 or appropriate placement score)</td>
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<td>College Writing I</td>
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Pre-Pharmacy Second Year

| BIOL 260 | CHMY 221 & CHMY 222 | ECNS 201S | PHSX 205N & PHSX 206N | STAT 216 | PSYX 222 | SOCI 202 |

Either Year, any semester- Required

| PSYX 100S | THTR 120A or COMX 111A |
| Intro to Psychology | Intro to Acting I or Intro to Public Speaking |

Total Hours: 49-50

Professional Pharmacy Curriculum
Students must apply for admission to the professional program (http://health.umt.edu/pharmacy). Students enrolled in the professional pharmacy curriculum are assessed a supplemental fee. This fee does not apply to pre-pharmacy students. Refer to the fees (catalog.umt.edu/expenses-services-organizations/expenses) section of this catalog for details. Students must demonstrate proficiency in pharmaceutical calculation by successfully completing a competency assessment prior to entering the second professional year.

The Upper-Division Writing Requirement must be met by successfully completing PHAR 550 or an upper-division writing course from the approved list in the Academic Policies and Procedures (catalog.umt.edu/academics/policies-procedures) section of this catalog. See index.

First Year

<table>
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<tr>
<th>Autumn</th>
<th>Hours</th>
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<tbody>
<tr>
<td>PHAR 381</td>
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<td>PHAR 341 or PHAR 342</td>
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<td>PHAR 361 or PHAR 362</td>
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<tr>
<td>BIOM 400</td>
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<tr>
<td>PHAR 300</td>
<td>3</td>
</tr>
<tr>
<td>PHAR 371 or PHAR 372</td>
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<tr>
<td></td>
<td>Hours</td>
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Spring

| PHAR 328 | PHAR 331 |
| Antimicrobial Agents | Pharmaceutics |

<p>| Hours | 3 | 4 |</p>
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<tr>
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<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>PHAR 341 or PHAR 342</td>
<td>Physiological Systems I or Physiological Systems II</td>
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<tr>
<td>PHAR 361 or PHAR 362</td>
<td>Pharm Sci Lab I or Pharm Sci Lab II</td>
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<td>PHAR 310</td>
<td>Pharmacy Practice II</td>
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<td>PHAR 363</td>
<td>Pharmaceutical Care Lab I</td>
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<td>PHAR 371 or PHAR 372</td>
<td>Integrated Studies I or Integrated Studies II</td>
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<thead>
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<td>Medicinal Chem I or Medicinal Chem II</td>
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<td>PHAR 432</td>
<td>Clinical Pharmacokinetics</td>
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<td>PHAR 443 or PHAR 444</td>
<td>Pharmacol Toxicol I or Pharmacol Toxicol II</td>
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<tr>
<td>PHAR 451 or PHAR 452</td>
<td>Therapeutics I or Therapeutics II</td>
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<td>PHAR 460 or PHAR 463</td>
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<td>PHAR 471 or PHAR 472</td>
<td>Integrated Studies III or Integrated Studies IV</td>
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<td>PHAR 550</td>
<td>Drug Literature Eval</td>
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<td>PHAR 557</td>
<td>Public Health In Pharmacy</td>
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<td>PHAR 571 or PHAR 572</td>
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<td>PHAR 506</td>
<td>Pharmacy Practice V</td>
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<td>PHAR 513</td>
<td>Pharmacoecon</td>
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<td>PHAR 514E</td>
<td>Case Studies Pharm Ethics</td>
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<td>Course Code</td>
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<td>PHAR 579</td>
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<td>PHAR 581</td>
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<td>PHAR Elective Pharmacy Practice Experience</td>
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<td><strong>Hours</strong></td>
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Required credits: 200