University of Idaho
Suggested Pre-Pharmacy Courses

Pharmacy school admission requirements vary from school to school. You should carefully check admission requirements at your schools of most interest. The following is a list of courses offered at the University of Idaho that most pharmacy schools will expect applicants to have completed.

☐ One year of College Level English
  • Engl 101 – Introduction to College Writing (3cr.)
    Coreq: Students with ACT scores 1-17, SAT verbal scores 200-440, COMPASS scores 1-67, or no standardized test scores must concurrently enroll in Engl 109.
  • Engl 102 – College Writing and Rhetoric (3cr.)
    Prereq: Engl 101 or Equivalent

☐ One year of General or Inorganic Chemistry with lab:
  • Chem 111 – Principles of Chemistry I (4cr.)
    Prereq: min 560 SAT math or min 25 ACT math or min 49 COMPASS College Algebra, or a grade of 'C' or better in Chem 101, Math 143, Math 160, or Math 170; pass the Chemistry Fundamentals Exam or Permission
  • Chem 112 – Principles of Chemistry II (5cr.)
    Prereq: Chem 111 or Permission

☐ One or more semesters of general Biology with lab:
  • Biol 115 – Cells and the Evolution of Life (4cr.)
    Coreq: Chem 101 or Chem 111

☐ Human Anatomy with lab (1 semester)
  • Biol 120 – Human Anatomy (4cr., Fall only)

☐ Human Physiology with lab (1 semester)
  • Biol 121 – Human Physiology (4cr., Spring only)

☐ One year of Organic Chemistry with lab:
  • Chem 277/278 – Organic Chem I + lab (3 cr. class + 1 cr. lab)
    Prereq: Chem 112
  • Chem 372/374 - Organic Chem. II + lab (3 cr. class + 1 cr. lab, Spring Only)
    Prereq: Chem 277

☐ Microbiology with lab
  • Biol 250 General Microbiology + 255 Microbiology lab (3 cr. class + 2 cr. lab, Fall Only)
    Prereq: Chem 101 or Chem 111
**Physics with lab** (1-2 semesters, varies by program)

- Phys 111 and 111L – General Physics I + lab (3 cr. class + 1 cr. lab)
  - **Prereq:** Math 143

- Phys 112 and 112L – General Physics II + lab (3 cr. class + 1 cr. lab, *Spring Only*)
  - **Prereq:** Phys 111
  - **Or-**

- Phys 211 and 211L – Engineering Physics I + lab (3 cr. class + 1 cr. lab)
  - **Prereq or Coreq:** Math 170

- Phys 212 and 212L – Engineering Physics II + lab (3 cr. class + 1 cr. lab)
  - **Prereq:** Phys 211
  - **Prereq or Coreq:** Math 175

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**Math/Statistics** (1-2 semesters calculus – varies by program)

- **MATH 160** Survey of Calculus (4 cr.)
  - **Prereq:** Sufficient score on SAT, ACT, or COMPASS Math Test, or Math 137 with a C or better, or Math 143 with a C or better. Required test scores can be found here: [www.uidaho.edu/registrar/registration/placement/math](http://www.uidaho.edu/registrar/registration/placement/math).
  - **Note:** Math 160 should only be taken if the student is confident that they will not be taking any additional Calculus courses.

- **MATH 170** Analytic Geometry & Calculus I (4 cr.)
  - **Prereq:** Math 143 (with a grade of C or better) and Math 144 (concurrent enrollment in Math 144 is allowed although it is recommended that students complete both courses before enrolling in Math 170); or demonstrated proficiency through a sufficiently high score on the ACT, SAT, or COMPASS tests.

- **MATH 175** Analytic Geometry & Calculus II (4 cr.)
  - **Prereq:** Math 170 with a grade of C or better

- **Stat 251** – Statistical Methods (3 cr.)
  - **Prereq:** One of the following: Math 108, Math 137, Math 143, Math 160, Math 170, or Sufficient score on SAT, ACT, or COMPASS Math Test to qualify for registration in Math 130

**Common additional prerequisites or strongly recommended courses include:**

- Psychology
- Communication (Public Speaking/Speech)
- Economics (Micro or Macro)
- Technical Writing

**Suggested Prerequisite Sequence** (please note that this is just a suggested sequence, and may not be ideal for every student)

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<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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<tr>
<td><strong>Semester 1:</strong></td>
<td><strong>Semester 1:</strong></td>
<td><strong>Semester 1:</strong></td>
<td><strong>4th Year</strong></td>
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<tr>
<td>Chem 111</td>
<td>Chem 277/278</td>
<td>Biol 120</td>
<td>Complete degree requirements</td>
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<tr>
<td>Math (start sequence to work up to Calculus)</td>
<td>Physics 111</td>
<td>Biol 300 or 380</td>
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<td><strong>Semester 2:</strong></td>
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<td>Chem 112</td>
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<td>Biol 115</td>
<td>Physics 112</td>
<td>Biol 250</td>
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**Apply to Pharmacy School**

Note: application deadlines vary by program, ranging from Nov-March