

## Pre-Requisite Coursework for *Pharmacy*

Although many premed/pre-health students major in biology, biochemistry, or chemistry, students can enter graduate programs in the health professions with any undergraduate major. Professional healthcare programs seek well-rounded students with a diversity of interests, leadership experiences, and intellectual curiosity.

Students who plan to pursue postgraduate work in the health professions will take required courses in biology, chemistry, mathematics, physics, and psychology at Lewis & Clark. Many health-professional schools require advanced coursework in some of these areas as well. Many courses required for admission to health-professional schools are sequential, so good planning is key.

We have found that most Pharmacy programs require or recommend the below courses, however, pre-requisites can vary from school to school. It is a good idea to check directly with the schools you plan to apply to.

Pre-Requisite	LC Course
1-year of <b>Introductory Biology w/ lab</b>	<b>BIO 201:</b> Biological Core Concepts: Systems (Pre-req: Bio 110) <i>and</i> <b>BIO 202:</b> Biological Core Concepts: Mechanisms (Pre-req: Bio 110, Chem 120)
1 semester <b>Microbiology</b>	Offered through the Oregon Alliance of Independent Colleges and Universities. See your pre-health advisor for options.
1 semester <b>Anatomy</b>	Offered through the Oregon Alliance of Independent Colleges and Universities. See your pre-health advisor for options.
1 semester <b>Physiology</b>	<b>BIO 375:</b> Physiology (Pre-reqs: Bio 110 and Bio 202. Recommended pre-reqs: Math 123, 131, CS 171 or Phys 141)
1-year <b>General Chemistry w/ lab</b>	<b>CHEM 110:</b> General Chemistry I (Pre-req: QR 101) <i>and</i> <b>CHEM 120:</b> General Chemistry II (Pre-req: Chem 110)
1-year <b>Organic Chemistry w/lab</b>	<b>CHEM 210:</b> Organic Chemistry I (Pre-req: Chem 120) <i>and</i> <b>CHEM 220:</b> Organic Chemistry II (Pre-req: Chem 210)
1-year <b>Introductory Physics w/ lab</b>	<b>PHYS 141:</b> Introductory General Physics I (Pre-req: Math 123 or Math 131) <i>and</i> <b>PHYS 142:</b> Introductory General Physics II (Pre-req: Phys 141 or Phys 151, and Math 131)
1-semester <b>Calculus</b>	<b>MATH 131:</b> Calculus 1 (Pre-req: MATH 115)
1-semester <b>Psychology or Sociology</b>	<b>PSY 100:</b> Introduction to Psychology (Pre-req: None) <i>or</i> <b>SOAN 100:</b> Introduction to Sociology (Pre-req: None)
1 semester <b>Statistics</b>	<b>ECON 103:</b> Statistics (Pre-req: QR 101) <i>or</i> <b>MATH 123:</b> Calculus and Statistics for Modeling the Life Sciences (Pre-req: Math 115) <i>or</i> <b>MATH 255:</b> Statistical Concepts and Methods (Pre-req: Math 131) <i>or</i> <b>PSY 200:</b> Statistics I (Pre-req: None) <i>or</i> <b>HEAL 200:</b> Biostatistics (Pre-req: None)
1-semester <b>Public Speaking</b>	<b>RHMS 210:</b> Public Discourse (Pre-req: None)
1 semester <b>English Composition</b>	<b>CORE 120:</b> Words