

Pre-Requisite Coursework for *Physician Assistant*

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 PA programs require or recommend the below courses, however, pre-requisites can vary, sometimes greatly, 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 Foundational Biology (labs highly recommended, but not required)	<p>Any combination of the following (introductory coursework accepted, but not preferred):</p> <p>BIO 201: Biological Core Concepts: Systems (Pre-req: Bio 110) <i>or</i></p> <p>BIO 202: Biological Core Concepts: Mechanisms (Pre-req: Bio 110, Chem 120) <i>or</i></p> <p>BIO 361: Cell Biology (Pre-reqs: Bio 110, Bio 201, Bio 202, Chem 120. Math 123, 131, 255 or CS 171) <i>or</i></p> <p>BIO 380: Behavioral Genetics (Pre-reqs: Bio 110, Bio 202, and Chem 120. Math 123, 131, 255, or CS 171. Recommended pre-reqs: Bio 252, Bio 311, Bio 320, or Bio 361)</p>
1-year Foundational Chemistry (labs highly recommended, but not required)	<p>Any combination of the following (introductory coursework accepted, but not preferred):</p> <p>CHEM 110: General Chemistry I (Pre-req: QR 101) <i>or</i></p> <p>CHEM 120: General Chemistry II (Pre-req: Chem 110) <i>or</i></p> <p>CHEM 210: Organic Chemistry I (Pre-req: Chem 120) <i>or</i></p> <p>CHEM 220: Organic Chemistry II (Pre-req: Chem 210) <i>or</i></p> <p>CHEM 330: Structural Biochemistry (Pre-req: Chem 220. Recommended pre-req: Bio 202) <i>or</i></p> <p>CHEM 366: Inorganic Chemistry Laboratory (Pre-req: Chem 220)</p>
1-year Anatomy and Physiology w/lab	<p>BIO 375: Physiology (Pre-reqs: Bio 110 and Bio 202. Recommended pre-reqs: Math 123, Math 131, CS 171, or Phys 141.</p> <p>Anatomy is offered through the Oregon Alliance of Independent Colleges and Universities. See your pre-health advisor for options.</p>
1 semester of Microbiology w/lab	Offered through the Oregon Alliance of Independent Colleges and Universities. See your pre-health advisor for options.
1 semester Psychology	PSY 100: Introduction to Psychology (Pre-req: None) <i>or</i>

~OVER FOR MORE~

	<p>PSY 230: Infant and Child Development (Pre-req: Psy 100) <i>and/or</i></p> <p>PSY 330: Adolescent and Adult Development (Pre-reqs: Psy 230 and Psy 300)</p> <p>*PSY 240: Abnormal Psychology accepted, but not preferred</p>
1 semester Statistics	<p>MATH 123: Calculus and Statistics for Modeling the Life Sciences (Pre-req: Math 115) <i>or</i></p> <p>MATH 255: Statistical Concepts and Methods (Pre-req: Math 131) <i>or</i></p> <p>PSY 200: Statistics I (Pre-req: None)</p>

Highly recommended, but not required courses:

- 300-400 level (upper division) Biology and Chemistry courses (in addition to pre-reqs listed above)
- **BIO 311:** Molecular Biology (Pre-reqs: Bio 110, Bio 202, and Chem 120. Math 123, 131, 255, or CS 171. Recommended pre-req: Chem 220)
- **BIO 380:** Behavioral Genetics (Pre-reqs: Bio 110, Bio 202, and Chem 120. Math 123, 131, 255, or CS 171. Recommended pre-reqs: Bio 252, Bio 311, Bio 320, or Bio 361)
- **CHEM 330:** Structural Biochemistry (Pre-req: Chem 220. Recommended pre-req: Bio 202)
- Pharmacology
- Pathophysiology
- Immunology
- Spanish language course(s)
- Other courses which may be beneficial to a future health care provider (e.g., epidemiology, medical terminology, etc.)