

Pre-Requisite Coursework for *Optometry*

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 Optometry 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 semester Organic Chemistry	CHEM 210: Organic Chemistry I (Pre-req: Chem 120)
1 semester Biochemistry	CHEM 335: Metabolic Biochemistry (Pre-req: Chem 220. Recommended pre-req: Bio 202)
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 Physiology (strongly recommended by most schools, some require it)	BIO 375: Physiology (Pre-reqs: Bio 110 and Bio 202. Recommended pre-reqs: Math 123, Math 131, CS 171, or Phys 141.
1 semester Statistics	ECON 103: Statistics (Pre-req: QR 101) <i>or</i> MATH 123: Calculus and Statistics for Modeling the Life Sciences (Pre-req: Math 115) <i>or</i> MATH 255: Statistical Concepts and Methods (Pre-req: Math 131) <i>or</i> PSY 200: Statistics I (Pre-req: None)
1 semester Psychology	PSY 100: Introduction to Psychology (Pre-req: None)
1 semester Calculus	MATH 131: Calculus I (Pre-req: Math 115)
1 semester Anatomy (strongly recommended by most schools, some require it)	Anatomy is offered through the Oregon Alliance of Independent Colleges and Universities. See your pre-health advisor for options.