

## Pre-Requisite Coursework for *Medical School*

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 medical schools 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 110:</b> Biological Investigations (Pre-req: QR 101) <i>and</i> <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-year <b>Introductory 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>Introductory Physics w/ lab</b>	<u>For life science and chemistry majors, take:</u> <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) <u>For non-life science and chemistry majors, take:</u> <b>PHYS 151:</b> Physics I: Motion (Pre-req: Math 131) <i>and</i> <b>PHYS 152:</b> Physics II: Waves and Matter (Pre-reqs: Phys 141 or Phys 151, and Math 132)
1-year <b>Organic Chemistry</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 semester <b>Biochemistry</b>	<b>CHEM 330:</b> Structural Biochemistry (Pre-req: Chem 220. Recommended pre-req: Bio 202)
1 semester <b>College Math</b>	<b>MATH 115:</b> Elementary Functions (Pre-req: QR101) <i>and</i> <b>MATH 123:</b> Calculus and Statistics for Modeling the Life Sciences (Pre-req: Math 115) <i>or</i> <b>MATH 131:</b> Calculus I (Pre-req: MATH 115)
1 semester <b>English Composition</b>	<b>CORE 120:</b> Words
1 semester <b>Psychology or Sociology</b> (recommended)	<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>Physiology</b> (recommended)	<b>BIO 375:</b> Physiology (Pre-reqs: Bio 110, Bio 202. Recommended pre-reqs: Math 123, 131, CS 171 or Phys 141)