

# Preprofessional Programs in Medicine

## Program Type

Preprofessional Program

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Allopathic and osteopathic schools of medicine recommend that candidates complete at least three years of coursework for the liberal arts degree before applying for admission and must receive a baccalaureate degree prior to enrolling. Candidates should consult early with the preprofessional advisor and schools of their choice. Students can major in any field, though most students have a concentration in biology, chemistry, biochemistry, or physics. Detailed schedules of these majors are available from their departmental chairs. In addition to the required core courses, there are a number of recommended courses for premedical students working toward a bachelor of science degree. The courses listed below for freshman and sophomore year should be completed prior to taking the Medical College Admission Test (MCAT). Taking these courses later may delay the medical school application process. The courses listed for junior and senior year are strongly recommended and may be required by some medical schools. Depending on a student's major, there might be alternative courses that fulfill both the general medical school requirements and major requirements. Please direct questions to the preprofessional advisor.

### General Requirements:

**FRESHMAN YEAR:** CHM 201-202, General Chemistry I and II (8 hours); MTH 120, Differential Calculus (4 hours)\*; and BIO 200, Cellular and Molecular Biology (4 hours). \*Or MTH 112 and 113, Integrated Calculus.

**SOPHOMORE YEAR:** CHM 303-304, Organic Chemistry I and II (8 hours); PHY 101-102 or 201-202, College or University Physics I and II (8 hours), BIO 308, Human Anatomy and Physiology (4 hours).

**JUNIOR AND SENIOR YEARS:** CHM 452, Biochemistry (3 hours); and PSY 101, Introductory Psychology (3 hours); Recommended courses: CHM 453, Advanced Biochemistry, (3 hours); BIO 360, Microbiology (4 hours); BIO 302, Developmental Biology (4 hours); BIO 309, Genetics (3 hours); and BIO 408, Human Anatomy and Physiology II (4 hours).

Hillsdale College has affiliation agreements with Lake Erie College of Osteopathic Medicine (LECOM). Qualified students may apply to one of the following LECOM early acceptance programs: Medicine (4+4 track), Dental (4+4 track), or Pharmacy (3+ and 4+ tracks). The requirements for each program vary, so interested students should meet with the pre-professional advisor. Selected students will be interviewed by LECOM; successful candidates will receive a provisional acceptance. LECOM will hold up to five spots in each program for Hillsdale College students.

Students interested in the 4+ tracks in Medicine, Dentistry, or Pharmacy should apply to LECOM no later than the end of their sophomore year at Hillsdale College. Students interested in the 3+ track in Pharmacy should apply no later than the end of their freshman year at Hillsdale College. If interested, please meet with the preprofessional advisor to verify you are qualified.