



HEALTH PROFESSIONS ADVISING

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Medicine (MD / DO)

The following information is intended to answer some of the typical questions from students who are interested in a Human or Animal Health related fields. We hope this information offers an opportunity for comparison, but it may not represent any individual program, school, or profession completely. Please ALWAYS double-check your information before making decisions!

OVERVIEW:

Physicians treat and prevent human illness, disease and injury. They examine patients, obtain medical histories, and order, perform, interpret diagnostic tests, and they counsel patients on diet, hygiene, and preventive healthcare.

There are two types of physicians:

1. MD (Doctor of Medicine)
2. DO (Doctor of Osteopathic Medicine)

[What is Osteopathic Medicine?](#) (From the American Association of Colleges of Osteopathic Medicine)

[Two Kinds of Physicians:](#) Allopathic and Osteopathic (from Indiana University)

The practice of medicine includes prevention and health education, and the use of accepted methods of medical treatment, including pharmaceutical agents and surgical procedures. There are many specialty areas for physicians to pursue with some of the highest demand for physicians going into family practice, internal medicine, and geriatrics.

PREREQUISITES:

These courses are provided as GENERAL pre-requisites and may not represent a complete list of requirements. It is the student's responsibility to check with each professional school in order to determine specific pre-requisites courses and equivalencies for each institution.

Requirement	Recommended CSU Course(s)
General Biology (2 semesters w/labs)	LIFE102 or BZ110; one additional lab-based biology course
General Chemistry (2 semesters w/labs)	CHEM111/112 & CHEM113/114
Organic Chemistry (2 semesters w/labs)	CHEM 341 & 343/344 OR CHEM 345 & 346
General Physics (2 semesters w/labs)	PH 121 & PH122 OR PH141 & PH142
English (2-3 semesters)	CO150, CO 300/301, JTC 300: Composition (check requirements at specific schools); Literature Courses taken through English Department
Mathematics (Trig, Calculus and/or Statistics)	MATH 125, MATH 155, or MATH 160; STAT 301, STAT 307 or EHRS 307
Highly recommended courses:	BC 351, BMS 300 or BMS 360, BMS 301, MIP 300/302



PROGRAMS

Accredited Programs:

- [Colleges of Osteopathic Medicine](#)
- [Medical Schools in the U.S. and Canada \(Allopathic\)](#)

Colorado Programs:

- [University of Colorado School of Medicine](#)
- [Rocky Vista University College of Osteopathic Medicine](#)

ADMISSIONS TESTS

Medical College Admissions Test (MCAT): www.aamc.org/students/mcat/start.htm

APPLICATION SERVICES

American Medical College Application Service (AMCAS): <https://www.aamc.org/students/applying/amcas/>

American Colleges of Osteopathic Medicine Application Service (AACOMAS): aacomas.aacom.org/

ASSOCIATIONS

American Medical Association: www.ama-assn.org

Association of American Medical Colleges: www.aamc.org

American Osteopathic Association: <http://www.osteopathic.org>

American Association of Colleges of Osteopathic Medicine: <http://www.aacom.org>