

Name: _____

Emphasis: _____

SID: _____

Concentration: Pre-med

e+ Pre-medical Concentration

The 15-18 credit Pre-Medical Concentration is designed for students intending to apply to medical school after completion of their undergraduate engineering degree. Medical school admission requirements vary from school to school; however, most medical schools will expect you to have taken the Medical College Admission Test® (MCAT®) and to have completed a set of prerequisite courses. All e+ Pre-medical Concentration courses require a minimum grade of C.

Clinical Experience. In addition to excelling in your coursework, it is essential to spend time with patients and become familiar with the role of a physician. Clinical experiences may be paid or volunteer, and should involve you working directly with patients.

Grades Count. Most medical schools require a C or above in all prerequisites. As these courses will be tested on the MCAT, if you earn a C or C+ in a pre-requisite course, you may want to repeat that course to master the material.

Coursework Requirements. Check the requirements at the medical schools you are interested in applying to, as some will not accept AP or IB credit to meet course prerequisites. If this is the case, and if you have AP or IB credit for any of the prerequisites, consider retaking the courses during college.

The following courses meet most medical school admission requirements: one year of human biology (with labs); one year of general physics (with lab); one year of English literature/composition; one year of general chemistry (with lab); one year of organic chemistry (with labs); and two courses in college mathematics. The MCAT also tests biochemistry, statistics, psychology and sociology content.

Concentration Courses Completed

	Course Title/Subject	Course Number	Grade	Term	Hours
Required	Intro to Cellular & Molecular Biology (3)*	MCDB 1150			3
	Pick one Biology/Genetics Lab Course (1-2):* General Biology 1 Lab or Phage Lab or Drug Screens Lab	EBIO 1230 (1) or MCDB 1161 (2) or MCDB 1171 (2) or MCDB 2171 (2)			1-2
	Principle of Genetics (3)*	MCDB 2150			5
	Organic Chemistry 1 w/lab (4+1)*	CHEM 3311 CHEM 3321			5
Choose One	Organic Chemistry 2 w/lab (4+1)*	CHEM 3331 CHEM 3341			3-5
	Survey of Biochemistry (3)*	CHEM 4611			

* Content tested on MCAT

Other courses you may find useful for preparation for the MCAT:

- General Psychology (PSYC 1001). Also counts as H&SS credit in the College of Engineering and Applied Science
- Intro to Sociology (SOCY 1001). Also counts as H&SS credit in the College of Engineering and Applied Science
- Intro to Human Anatomy (IPHY 3410)
- Intro to Human Physiology (IPHY 3430)

Pre-med web sites you may find useful:

<https://www.aamc.org/students/applying/requirements/>

<http://www.ucdenver.edu/academics/colleges/medicalschool/education/Admissions/apply/Pages/Requirements.aspx>

<https://www.colorado.edu/career/students/explore-majors-careers/health-professions>