

# Pre-Medical Student

## *Course Reference*

### Required Pre-Medical Course Work

All prerequisite courses must be taken for a grade (not Pass/No Pass). The courses required for admission to most medical schools are listed below. **Consult the web sites or catalogs of the schools to which you plan to apply to determine each school's specific requirements.**

### *Biology*

Course Description		Hours	Semester
BIO 207/277	Introduction to Molecular and Cellular Biology	4 (w/lab)	
BIO 208/278	Introduction to Evolution and Ecology	4 (w/ lab)	

Additional Recommended Courses*:			
Course Description		Hours	Semester
BIO 330	Genetics	3	
BIO 354	Cell & Molecular Biology	3	
BIO 305	Anatomy & Physiology I	3	
BIO 306	Anatomy & Physiology II	3	

*\*Recommended courses are based on local program recommendations and the MSAR*

### *Chemistry*

Course Description		Hours	Semester
CHM 207/277	General Chemistry I and Lab	4 (w/ lab)	
CHM 208/278	General Chemistry II and Lab	4 (w/ lab)	
CHM 325/375	Organic Chemistry I and Lab	4 (w/ lab)	
CHM 326/376	Organic Chemistry II and Lab	4 (w/ lab)	
CHM 453	Biochemistry I	3	
CHM 454	Biochemistry II*	3	

**Note:** Pre-Medical students should begin chemistry course sequence in their freshman year in order to be prepared to take the MCAT junior year.

*\*A full year of Biochemistry at UP is recommended prior to taking the MCAT*

### *Physics*

Course Description		Hours	Semester
PHY 201/271	General Physics and Lab (Fall Semester)	4 (w/ lab)	
PHY 202/272	General Physics and Lab (Spring Semester)	4 (w/ lab)	
<b>OR</b>			
PHY 204/274	General Physics and Lab	4 (w/ labs)	
PHY 205/275	General Physics and Lab	4 (w/ labs)	

### Mathematics

Course Description		Hours	Semester
MTH 161	Elementary Statistics	3	

Additional Courses May be Required In:

Course Description		Hours	Semester
MTH 201	Calculus I	4	

**Note:** Many medical schools require at least one college-level Math course. Some medical schools require 6 semester hours of math including statistics.

### Social Sciences

Course Description		Hours	Semester
PSY 101	General Psychology	3	
SOC 101	Introduction to Sociology	3	

**Note:** Topics directly from PSY 101 and SOC 101 are tested on the MCAT

### English

Course Description		Hours	Semester
ENG 112	Introduction to Literature	3	
ENG 107 or 311	College Writing or Advanced Writing	3	

**Note:** Many medical schools require one year English, including at least one course in composition.

### Additional Information

Profiles of individual medical schools can be found in *Medical School Admissions Requirements (MSAR)*, published annually by the Association of American Medical Colleges (AAMC). In addition, the *MCAT Student Manual* (a free, downloadable version is available on the AAMC website) provides a complete synopsis of the Medical College Admissions Test (MCAT). Students are encouraged to consult both publications early in their pre-medical preparation. Information may also be obtained from the Health Professions Advisors.

In selecting schools to which to apply, pay particular attention to non-resident acceptance rates, total number of applicants, average GPA/MCAT of admitted applicants, additional premedical requirements, special programs or curricula, tuition cost, and location. Your best chance of acceptance is to a public medical school in your state of residence or to a private medical school. Oregon residents should be aware that OHSU accepts fewer in-state residents than most public medical schools. Typically, 70 percent of the entering class at OHSU are Oregon residents. Students are encouraged to apply to a variety of medical schools.

**Pre-Health Professions Advising Office**  
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