

# 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 305	Human Anatomy & Physiology I	3	
BIO 306	Human Anatomy & Physiology II	3	
BIO 354	Cell and Molecular Biology	3	
BIO 400	Immunology	3	
BIO 301	Microbiology	3	
BIO 330	Genetics	3	

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

### *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 first year to be prepared to take the MCAT at the end of their junior year if planning to apply immediately to medical school

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

### *Physics*

Course Description		Hours	Semester
PHY 201/271	College Physics and Lab (Fall Semester Only)	4 (w/ lab)	
PHY 202/272	College Physics and Lab (Spring Semester Only)	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)	

**Note:** College PHY is recommended for MCAT prep unless General PHY is required for your major

### **Mathematics**

Course Description		Hours	Semester
MTH 161	Elementary Statistics	3	

Additional Recommended Courses:			
Course Description		Hours	Semester
MTH 201	Calculus I	3	

### **Social Sciences**

Course Description		Hours	Semester
PSY 101	Psychological Science	3	
SOC 101	Introduction to Sociology	3	

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

### **English**

Course Description		Hours	Semester
ENG 112	Thinking Through Literature	3	
ENG 107 or 311	College Writing or Advanced Writing	3	

**Note:** Many medical schools require one year of 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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