SUGGESTED PRE-MED COURSEWORK

Admission requirements vary greatly between medical schools. Students should carefully check admission requirements at their medical schools of most interest, and consider purchasing a copy of the Med School Admission Requirements (MSAR).

| General Chemistry | (One year with lab) | • Chem 111 + 111L (Gen. Chem 1 + lab)  
Prereq: min 580 SAT math or min 25 ACT math or ALEKS math score of at least 46, or a grade of 'C' or better in Chem 101, Math 143, Math 160, or Math 170; pass the Chemistry Fundamentals Exam or Permission  
and  
• Chem 112 + Chem 112L (Gen. Chem 2 + lab)  
Prereq: Chem 111 or Permission |
| Organic Chemistry | (One year with lab) | • Chem 277 + 278 (Organic Chem 1 + lab)  
Prereq: Chem 112  
and  
• Chem 372 + 374 (Organic Chem 2 + lab, Spring Only)  
Prereq: Chem 277 |
| Biology | (At least one year with lab) | • Biol 115 + 115L (Cells and the Evolution of Life + lab)  
Coreq: Chem 101 or Chem 111  

• Biol 310 + 315 (Genetics + lab, Fall only)  
Prereq: Biol 115 or 250  

• Biol 312 + 313 (Molecular and Cellular + lab, Spring Only)  
Prereq: Biol 115  
* If you can only take 2 Biology courses prior to the MCAT, Biol 115 and Biol 312/313 are highly recommended |
| Physics | (One year with lab) | • Phys 111 + 111L (General Physics I + lab)  
Prereq: Math 143  

• Phys 112 + 112L (General Physics II + lab, Spring Only)  
Prereq: Phys 111  

or  

• Phys 211 + 211L (Engineering Physics I + lab)  
Prereq or Coreq: Math 170  

or  

• Phys 212 + 212L (Engineering Physics II + lab)  
Prereq: Phys 211; Prereq or Coreq: Math 175 |
| Biochemistry | (one semester) | • Biol 380 + 382 (Biochemistry I + Lab, Fall Only)  
Prereq: Chem 112 and Chem 277  

Or  

• Biol 300 (Survey of Biochemistry, Fall Only)  
Prereq: Chem 101 or Chem 111  
Coreq: Chem 275 or Chem 277 |
# Suggested Pre-Med Coursework

## Behavioral/Social Sciences
- **Psych 101** (Intro. To Psychology)
- **Soc 101** (Intro. to Sociology)

(both highly recommended for MCAT, and some medical schools may also require social science and humanities courses)

## Common Additional Requirements
- One year of English Composition (101+ 102 or 102+ 207 or 102 +208)
- **Math** - requirements vary greatly between schools, ranging from no math requirement to Calculus and/or Statistics

**Note:** UI Pre-Med students are highly encouraged to complete at least 1 semester of Calculus (MATH 170) and one semester of Statistics (Stat 251 or Stat 301)

## Additional courses that may be helpful in preparing for the MCAT and Med School:
- **Anatomy:** Biol 120
- **Cell Biology:** PlSc J476
- **Virology:** Biol J447
- **Physiology:** Biol 121
- **Microscopic Anatomy:** Biol 428
- **Pathogenic Microbiology:** Biol J433
- **Microbiology:** (Biol 250)
- **Immunology:** Biol J432
- **Cell. & Molec. Basis of Diseases:** Biol J441

## Sample Prerequisite Sequence (please note that this is just a suggested sequence, and may not be ideal for every student)

<table>
<thead>
<tr>
<th>1st Year</th>
<th>2nd Year</th>
<th>3rd Year</th>
<th>4th Year</th>
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</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
<td><strong>Semester 1</strong></td>
<td>Complete degree requirements</td>
</tr>
<tr>
<td>Chem 111 + 111L</td>
<td>Chem 277 + 278</td>
<td>Biol 300 or 380</td>
<td>Interview at Med Schools</td>
</tr>
<tr>
<td>Courses for major/Gen Ed.</td>
<td>Courses for major/Gen Ed.</td>
<td>Biol 310 + 315</td>
<td><strong>MCAT (APR/May)</strong></td>
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<tr>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 2</strong></td>
<td><strong>Semester 2</strong></td>
<td><strong>Apply in June</strong></td>
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<tr>
<td>Chem 112 + 112L</td>
<td>Chem 372 + 374</td>
<td>Biol 312/313</td>
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<tr>
<td>Biol 115 + 115L</td>
<td>Courses for major/Gen Ed.</td>
<td>Physics 112 or 212</td>
<td>Courses for major/Gen Ed.</td>
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<tr>
<td>Courses for major/Gen Ed.</td>
<td><em>Bio majors should take 213 this semester as this is a prereq. for some upper division electives</em></td>
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