



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)*.

<p>General Chemistry (One year with lab)</p>	<ul style="list-style-type: none"> • Chem 111 + 111Lab (Gen. Chem 1 + lab) <i>Prereq:</i> 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 112Lab (Gen. Chem 2 + lab) <i>Prereq:</i> Chem 111/111 Lab or Permission
<p>Organic Chemistry (One year with lab)</p>	<ul style="list-style-type: none"> • Chem 277 + 278 Lab (Organic Chem 1 + lab) <i>Prereq:</i> Chem 112/112 Lab and • Chem 372 + 374 Lab (Organic Chem 2+ lab, <i>Spring Only</i>) <i>Prereq:</i> Chem 277/278 Lab
<p>Biology (At least one year with lab)</p> <p>Note: carefully research specific progrms that require or highly recommend additional advanced Biology (300+) or specify Genetics/Cell Biology as requirements</p>	<ul style="list-style-type: none"> • Biol 115 + 115Lab (Cells and the Evolution of Life + lab) <i>Coreq:</i> Chem 101/101 Lab or Chem 111/111 Lab • Biol 310 + 315Lab (Genetics + lab, <i>Fall only</i>) <i>Prereq:</i> Biol 115/115 Lab or Biol 250 • Biol 312 + 313Lab (Molec. and Cell. + lab, <i>Spring Only</i>) <i>Prereq:</i> Biol 115/115 Lab * If you can only take 2 Biology courses prior to the MCAT, Biol 115/115 Lab and Biol 312/313 Lab are highly recommended
<p>Physics (One year with lab)</p>	<ul style="list-style-type: none"> • Phys 111 + 111Lab (General Physics I + lab) <i>Prereq:</i> Math 143 • Phys 112 + 112Lab (General Physics II + lab, <i>Spring Only</i>) <i>Prereq:</i> Phys 111/111 Lab or • Phys 211 + 211Lab (Engineering Physics I + lab) <i>Prereq or Coreq:</i> Math 170 or • Phys 212 + 212Lab (Engineering Physics II + lab) <i>Prereq:</i> Phys 211/21 Lab; <i>Prereq or Coreq:</i> Math 175
<p>Biochemistry (one semester)</p>	<ul style="list-style-type: none"> • Biol 380 (Biochemistry 1, <i>Fall Only</i>) <i>Prereq:</i> Chem 112/112Lab and Chem 277/278Lab Or • Biol 300 (Survey of Biochemistry, <i>Fall Only</i>) <i>Prereq:</i> Chem 101/101 Lab or Chem 111/111 Lab <i>Coreq:</i> Chem 275 or Chem 277

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<h3>Behavioral/ Social Sciences</h3>	<ul style="list-style-type: none"> • Psych 101 (Intro. To Psychology) • Soc 101 (Intro. to Sociology) <p>(both highly recommended for MCAT, and some medical schools may also require social science and humanities courses)</p>
<h3>Common Additional Requirements</h3>	<ul style="list-style-type: none"> • One year of English Composition (101+ 102 <u>or</u> 102+ 207 <u>or</u> 102 +208) • Math - requirements vary greatly between schools, ranging from no math requirement to Calculus and/or Statistics <p>Note: UI Pre-Med students are highly encouraged to complete at least 1 semester of Calculus (MATH 170) <u>and</u> one semester of Statistics (Stat 251 or Stat 301)</p>

Additional courses that may be helpful in preparing for the MCAT and Med School:

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| <input type="checkbox"/> Anatomy: Biol 120 | <input type="checkbox"/> Cell Biology: PISc J476 | <input type="checkbox"/> Virology: Biol J447 |
| <input type="checkbox"/> Physiology: Biol 121 | <input type="checkbox"/> Microscopic Anatomy: Biol 428 | <input type="checkbox"/> Pathogenic Microbiology: Biol J433 |
| <input type="checkbox"/> Microbiology (Biol 250/255 Lab) | <input type="checkbox"/> Immunology: Biol J432 | <input type="checkbox"/> 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)

1 st Year	2 nd Year	3 rd Year	4 th Year
<u>Semester 1</u> Chem 111 + 111Lab Courses for major/Gen Ed. <u>Semester 2</u> Chem 112 + 112Lab Biol 115 + 115Lab Courses for major/Gen Ed.	<u>Semester 1</u> Chem 277 + 278Lab Courses for major/Gen Ed. <u>Semester 2</u> Chem 372 + 374 Lab Courses for major/Gen Ed. *Bio majors should take 213 this semester as this is a prereq. for some upper division electives	<u>Semester 1</u> Biol 300 or 380 Biol 310 + 315 Lab Physics 111/111Lab or 211/211Lab Courses for major/Gen Ed. <u>Semester 2</u> Biol 312/313 Lab Physics 112/112 Lab or 212/212 Lab	Complete degree requirements Interview at Med Schools <div style="border: 2px solid black; background-color: #FFD700; padding: 5px; text-align: center;"> MCAT (APR/May) Apply in June </div>