



## SUGGESTED PRE-MLS COURSEWORK

Prerequisite courses can vary significantly between MLS programs. Students should **carefully check admission requirements to their top choice accredited clinical laboratory science programs at:** [National Accrediting Agency](#)

<h3>General Chemistry</h3> <p>(One year with lab)</p>	<ul style="list-style-type: none"><li>• <b>Chem 111 + 111L</b> (Gen. Chem 1 + lab) <i>Prereq:</i> min 580 SAT math; min 25 ACT math; ALEKS math score of at least 46; a grade of 'C' or better in Chem 101, Math 143, Math 160, or Math 170; pass the Chemistry Fundamentals Exam or Permission</li></ul> <p style="text-align: center;"><b>and</b></p> <ul style="list-style-type: none"><li>• <b>Chem 112 + Chem 112L</b> (Gen. Chem 2 + lab) <i>Prereq:</i> Chem 111/111L or Permission</li></ul>
<h3>Organic Chemistry</h3> <p>(One year with lab)</p>	<ul style="list-style-type: none"><li>• <b>Chem 277 + 278L</b> (Organic Chem 1 + lab) <i>Prereq:</i> Chem 112/112Lab</li></ul> <p style="text-align: center;"><b>and</b></p> <ul style="list-style-type: none"><li>• <b>Chem 372 + 374L</b> (Organic Chem 2 + lab, <i>Spring Only</i>) <i>Prereq:</i> Chem 277/278 Lab</li></ul>
<h3>Biology</h3> <p>(<u>At least one year with lab</u>)</p> <p><i>Note:</i> carefully research specific program requirements; many schools will require or highly recommend additional advanced Biology (300+) or specify Genetics/Cell Biology as requirements</p>	<ul style="list-style-type: none"><li>• <b>Biol 115 + 115L</b> (Cells and the Evolution of Life + lab) <i>Coreq:</i> Chem 101 or Chem 111</li><li>• <b>Biol 310 + 315L</b> (Genetics + lab, <i>Fall only</i>) <i>Prereq:</i> Biol 115 or 250</li><li>• <b>Biol 312 + 313L</b> (Molecular &amp; Cellular + lab, <i>Spring Only</i>) <i>Prereq:</i> Biol 115/115Lab</li><li>• <b>Biol 310/315 – Genetics + lab</b> (<i>Fall only</i>) <i>Prereq:</i> Biol 115/115Lab or Biol 250</li><li>• <b>Biol J433/J533- Pathogenic Microbiology</b> <i>Prereq:</i> Biol 250</li><li>• <b>Biol J432/J532- Immunology</b> (<i>Spring only</i>) <i>Prereq:</i> Biol 300 or Biol 380</li></ul>
<h3>Microbiology</h3> <p>(One Semester with lab)</p>	<ul style="list-style-type: none"><li>• <b>Biol 250 + 255L</b> (General Microbiology + lab, <i>Fall Only</i>) <i>Prereq:</i> Chem 101/101Lab or Chem 111/111Lab and Biol 115</li></ul>



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<b>Anatomy and Physiology</b>	<ul style="list-style-type: none"><li>• <b>Biol 120</b> (Human Anatomy, <i>Fall only</i>)</li><li>• <b>Biol 121</b> (Human Physiology, <i>Spring Only</i>)</li></ul> <p><i>Prereq:</i> Biol 120</p>
<b>Statistics</b>	<ul style="list-style-type: none"><li>• <b>Stats 251</b> (Statistical Methods)</li></ul> <p><i>Prereq:</i> One of the following: Math 108, Math 137, Math 143, Math 160, Math 170, or Sufficient score on SAT, ACT, or math placement test to qualify for registration in Math 130</p>
<b>Biochemistry</b> <b>(at least one semester)</b>	<ul style="list-style-type: none"><li>• <b>Biol 380</b> (Biochemistry I, <i>Fall Only</i>)</li></ul> <p><i>Prereq:</i> Chem 277</p> <p style="text-align: center;"><b><u>Or</u></b></p> <ul style="list-style-type: none"><li>• <b>Biol 300</b> (Survey of Biochemistry, <i>Fall Only</i>)</li></ul> <p><i>Prereq:</i> Chem 101/101L or Chem 111/111L <i>Coreq:</i> Chem 275 or Chem 277</p>