# Pre-Health Plan for Non-Science Majors

## Academic Considerations for Admission to Health Profession Training Programs

Different programs require different skill sets, and pre-requisite courses are designed to help you develop the skills you’ll need. Each program is a little different from the others, and there are even schools within the same profession that want you to have different background preparation. Math is the best example – some medical schools require no math courses (although most applicants need some math background to take their science courses), and some may require up to two semesters of calculus and statistics. So, there’s no easy way to know exactly what courses to take, but the following is a basic guideline for a few of the programs.

<table>
<thead>
<tr>
<th>Requirement</th>
<th>CSULB Course</th>
<th>Med</th>
<th>Dental</th>
<th>Optometry</th>
<th>Pharmacy</th>
<th>Phys Asst</th>
<th>Phys Thrpy</th>
<th>Podiatry</th>
<th>Vet Med</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chem I w/lab</td>
<td>CHEM 111A</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Chem II w/lab</td>
<td>CHEM 111B</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Organic I w/lab</td>
<td>CHEM 220A &amp; 223A</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Organic II w/lab</td>
<td>CHEM 220B &amp; 223B</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Biology w/lab</td>
<td>BIOL 211</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Biology w/lab</td>
<td>BIOL 212</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Biology w/lab</td>
<td>BIOL 213</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Physics I w/lab</td>
<td>PHYS 100A or 151</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Physics II w/lab</td>
<td>PHYS 100B or 152</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Calculus</td>
<td>MATH 119A or 122</td>
<td>some</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Statistics</td>
<td>BIOL 260 or STAT 108</td>
<td>some</td>
<td>some</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Biochemistry</td>
<td>CHEM 441A or 448</td>
<td>some</td>
<td>few</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Microbiology</td>
<td>BIOL 211 or 200</td>
<td>few</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Anatomy &amp; Physio. w/lab</td>
<td>A: BIOL 207 or 342 &amp; 342L; Physio: BIOL 208</td>
<td>few</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td>✓</td>
<td>some</td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>ENGL 100, 102, 300</td>
<td>most</td>
<td>many</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td>some</td>
<td>✓</td>
<td>some</td>
</tr>
<tr>
<td>Others</td>
<td>PSY/SOC for MCAT, Adv. Bio.</td>
<td>Advanced Biology</td>
<td>PSY., other humanities or soc. sci.</td>
<td>ECO, Public Speaking</td>
<td>PSY (intro &amp; abnormal)</td>
<td>PSY, social sciences</td>
<td>Advanced Biology</td>
<td>varies widely</td>
<td></td>
</tr>
</tbody>
</table>

All requirements must be taken for a grade, not P/D/F. While this handout is representative of the general requirements, specific schools may have specific requirements. While these are the most common requirements for admission to a health professions training program, individual schools and professions may have additional requirements. For example, Texas schools require another full year of Biology courses. Many California schools will only accept AP on a case by case basis, and prefer that students not use AP to fulfill their prerequisites.
# Unofficial Pre-Health Advising Plan

*Consult with your major advisor*

**Name:** ___________________________   **Campus ID#:** ______________   **Major:** ______________________   **Career:** __________________   **Date:** __________

**Fall __________**
- **CHEM 111A (B1)**
- **ENGL 100(A1), 102(A3), or COM 130(A2)**
- Major Course
- Major Course

**Winter __________**

**Spring __________**
- **CHEM 111A (B1)**
- **MATH 119A or STAT 108 (B2)**
- Major or Foundation Course
- Major or Foundation Course

**Summer __________**
- **BIOL 211, 212, 213**

**Fall __________**
- **CHEM 220A/232A**
- **MATH 119A or STAT 108 (B2)**
- Major Course
- Major Course

**Winter __________**

**Spring __________**
- **CHEM 220A/232A**
- **PSY 100 (D2)**
- Major Course
- Major Course

**Summer __________**
- **PHYS 100A/100B**

**Fall __________**
- **CHEM 441A or 448**
- upper division ENGL (C1/Capstone)
- Major Course
- Major Course

**Winter __________**

**Spring __________**
- **BIOL 207 (if applicable)**
- **BIOL 311 (if applicable)**
- Major Course
- Major Course

**Summer __________**
- **SOC 100 (D2) (if applicable)**

**Fall __________**
- **BIOL 370 (if applicable)**
- **GE/Capstone Course**
- Major Course
- Major Course

**Winter __________**
- **MCAT/GRE Pre Course**

**Spring __________**
- **GE/Capstone Course**
- Major Course
- Major Course

**Summer __________**
- **[Apply to Med/Grad School]**
- **[GAP YEAR]**
- **[GRADUATE!]**