## FOUR YEAR PLAN: BS BIOLOGY PRE-DENTAL

### FRESHMAN YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>BIOL 105: Freshman Biology Seminar; 1 CR</td>
<td>BIOL 156: Principles of Biology II (Lec); 3 CR</td>
</tr>
<tr>
<td>BIOL 155: Principles of Biology I (Lec); 3 CR</td>
<td>BIOL 166: Principles of Biology II Lab; 1 CR</td>
</tr>
<tr>
<td>BIOL 165: Principles of Biology I Lab; 1 CR</td>
<td>CHEM 154: General Chemistry II (Lec); 3 CR</td>
</tr>
<tr>
<td>CHEM 153: General Chemistry I (Lec); 3 CR</td>
<td>CHEM 164: General Chemistry II Lab; 1 CR</td>
</tr>
<tr>
<td>CHEM 163: General Chemistry I Lab; 1 CR</td>
<td>MATH 171: Precalculus; 4 CR</td>
</tr>
<tr>
<td>ENG 111: College Writing; 3 CR</td>
<td>PSY 211: General Psychology; 3 CR</td>
</tr>
<tr>
<td>MATH 110: Intermediate Algebra; 3 CR</td>
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</tbody>
</table>

**SUMMER:** Job Shadow, Research (REU)

### SOPHOMORE YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>CHEM 251: Organic Chemistry I (Lec); 3 CR</td>
<td>CHEM 252: Organic Chemistry II (Lec); 3 CR</td>
</tr>
<tr>
<td>CHEM 261: Organic Chemistry I Lab; 1 CR</td>
<td>CHEM 262: Organic Chemistry II Lab; 1 CR</td>
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<tr>
<td>MATH 270: Calculus I; 4 CR</td>
<td>BIOL 202: Principles of Ecology; 3 CR</td>
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<tr>
<td>BIOL 201: Genetics; 3 CR</td>
<td>BIOL 341: General Microbiology; 3 CR</td>
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<tr>
<td>BIOL 203: Cell Biology; 3 CR</td>
<td>Gen. Elective, 2nd English course; 3 CR</td>
</tr>
<tr>
<td>General Elective, PE</td>
<td>Gen. Elective, 2nd Psychology course; 3 CR</td>
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**SUMMER:** Job Shadow, Test Prep

### JUNIOR YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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</thead>
<tbody>
<tr>
<td>BIOL 251: Anatomy &amp; Physiology I (Lec); 3 CR</td>
<td>BIOL 252: Anatomy &amp; Physiology II (Lec); 3 CR</td>
</tr>
<tr>
<td>BIOL 261: Anatomy &amp; Physiology I Lab; 1 CR</td>
<td>BIOL 262: Anatomy &amp; Physiology II Lab; 1 CR</td>
</tr>
<tr>
<td>PH 251: General Physics I; 4 CR</td>
<td>PH 252: General Physics II; 4 CR</td>
</tr>
<tr>
<td>BCHM 453: Biochemistry I (Lec); 3 CR</td>
<td>BCHM 454: Biochemistry II (Lec); 3 CR</td>
</tr>
<tr>
<td>SOC 211: Principles of Sociology; 3 CR</td>
<td>BCHM 463: Biochemistry I Lab; 1 CR</td>
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<tr>
<td>HPE 111: Health Education; 2 CR</td>
<td>Gen. Elective; 3 CR</td>
</tr>
</tbody>
</table>

**SUMMER:** Entrance Exam, Application

### SENIOR YEAR

<table>
<thead>
<tr>
<th>Fall Semester</th>
<th>Spring Semester</th>
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<tbody>
<tr>
<td>BIOL Elective (300+); 3-4 CR</td>
<td>BIOL Elective (300+); 3-4 CR</td>
</tr>
<tr>
<td>BIOL 382: Evolution; 3 CR</td>
<td>Gen. Elective; 3 CR</td>
</tr>
<tr>
<td>Gen. Elective; 3 CR</td>
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</tr>
<tr>
<td>Gen. Elective; 3 CR</td>
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</table>

**NOTE:** Assumes incoming student places in MATH 110 or ENG 111

Research can be completed during the school year with Clarion professors in place of/addition to summer work. Obtaining licensures such as EMT, CNA, Vet Tech, Pharm Tech, etc. is also recommended by not required. Contact your schools of interest for further specific requirements.