# Bioinformatics (BI34)

**Lower Division Requirements**

<table>
<thead>
<tr>
<th>BILD</th>
<th>CHEM</th>
<th>CSE</th>
<th>MATH</th>
<th>PHYS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6A</td>
<td>11</td>
<td>18</td>
<td>2A</td>
</tr>
<tr>
<td>3</td>
<td>6B</td>
<td>-or-</td>
<td>20A</td>
<td>2B</td>
</tr>
<tr>
<td>4</td>
<td>40A</td>
<td>8A &amp; 8B</td>
<td>20B</td>
<td>2C**</td>
</tr>
<tr>
<td></td>
<td>40B</td>
<td>12**</td>
<td>20C</td>
<td></td>
</tr>
<tr>
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<td></td>
<td>21**</td>
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</tr>
</tbody>
</table>

**Upper Division Requirements**

*Note: Any given course can only satisfy one major requirement.*

- **CSE 100**
- **BIMM 100**
- **BENG 183**
- **CSE 101**
- **BIMM 181**
- **CSE 185**
- **BICD 100**
- **BIMM 182**
- **MATH 186**

**Biochemistry** - Complete one (1) course from the following: BIBC 100, BIBC 102, CHEM 114A, CHEM 114B

**Biology Electives** - Complete at least eight (8) units of upper-division coursework offered by the UC San Diego Division of Biological Sciences. BIEB 146 and BIMM 172 are recommended. By exception, CSE 180 may be applied to the major elective requirement. This course is also recommended, and interested students are advised to take this prior to other upper division courses.

**Major GPA must be at least 2.0 to graduate**

**Minimum Grade Requirement:** All courses (except BISP 193, 195, 196, 197, & 199) to be applied toward the major must be taken for a letter grade, earning a C- or better.

**Biology Residency Requirement:** All biology majors must complete at least 20 units of upper-division coursework in the Division of Biological Sciences that directly apply towards major requirements while officially enrolled at UC San Diego.

**Upper-Division Unit Requirement:** All UC San Diego students must complete 48 or more units of upper-division coursework within the major.