At least 16 units are required for the Biology minor, plus 9 more units of prerequisites in most cases.

**General Biology (no emphasis):** (Sims: 771401)
- Required prerequisites:
  - CHEM 200 General Chemistry (5) and:
    - BIOL 203 Principles of Cell & Molecular Biology (3) and BIOL 203L Principles Cell & Mol. Biol. Lab (1)
  - OR
    - BIOL 100 General Biology (3) and BIOL 100L General Biology Lab (1)

  *Note: BIOL 203/203L are prerequisites for most UD BIOL courses in the minor! If you choose BIOL 100/100L instead of 203/203L, you will severely limit the possible upper division courses you can take.*

- Required lower division:
  1. BIOL 204 of Organismal Biology (3) and BIOL 204L Principles of Organismal Biol. Lab (1)
- Required electives: a minimum of 12 upper division units. These units cannot be shared with your major.
  1. Ecology and Evolution (at least 2 courses): Biology 315, 324, 327, 352, 354
  2. Human Biology (at least 1 course): Biology 307* or 336
  3. Laboratory (at least 1 course): Any Biology course numbered 350 or above with a “laboratory” label in the General Catalog and the online Class Schedule. If you take BIOL 100/100L instead of Biology 203/203L, then your only option is BIOL 436.

**Cellular and Molecular Biology:** (Sims: 771421)
1. Prerequisites: Chemistry 200, 201, 232, 232L, 365, Biology 203, 203L, 204, 204L
2. Electives: a minimum of 12 units from the following: Biology 350, 351, 352, 366, 366L, 480, 510, 528, 549, 554, 567, 568 (or BIOMI 568), 570, 575, 576*, 584, 589, 590, and Biology 485 or 585*, and Biology 556* or 557*
3. At least one elective must be a Laboratory Course: Biology 350, 366L, 556*, 557*

**Ecology:** (Sims: 771422)
1. Prerequisites: Chem 200, Biology 203, 203L, 204, 204L
2. Required: Biology 354
4. At least one elective must be a Laboratory Course: Biology 354L, 512, 514, 515*, 516A, 517, 518, 523*, 524, 525*, 526, 528, 531*, 535

**Evolutionary Biology:** (Sims: 771423)
1. Prerequisites: Chem 200, Biology 203, 203L, 204, 204L
2. Required: Biology 352
3. Electives: a minimum of 9 units from the following: Biology 509, 510, 512, 523*, 524, 525*, 526, 527, 527L*, 530*, 531*
4. At least one elective must be a Laboratory Course: Biology 512, 523*, 524, 525*, 526, 530*, 531*

**Marine Biology:** (Sims: 771425)
1. Prerequisites: Chem 200, Biology 203, 203L, 204, 204L
2. Required: Biology 324
3. Electives (all electives are Laboratory Courses): a minimum of 9 units from the following: Biology 512, 514, 515*, 516A, 517, 518, 542

All underlined courses require Biology 203/203L as prerequisites. Biology 100/100L is not an adequate prerequisite substitute.

* May not be offered in 2020-2021. Check the current Class Schedules.

Rev. 02/19/20
**Plant Biology:** (Sims: 771426)

1. Prerequisites: Chem 200, Biology 203, 203L, 204, 204L
2. Required (at least one of these Laboratory Courses, 3-4 units): Biology 530* or 531* or 535
3. Electives: 8-9 units from the following (to total at least 12 UD units): Biology 458, 530*, 531*, 535

**IMPORTANT NOTES**

- Biology 203/203L are prerequisites for all emphases in the minor, and you must take Chemistry 200 before or concurrently with Biology 203/203L.
- The minor requires a minimum of 16-22 units. At least 12 upper division Biology units must come from courses numbered 300 or higher. A minimum of 6 upper-division units must be completed at SDSU.
- At least one of the selected courses must be a biology laboratory course numbered 350 or above. Also refer to your Degree Audit Report (DAR) for approved courses.
- All prerequisites for Biology courses apply to Biology minors. Biology minors who do not take BIOL 203/203L are very limited in the upper division coursework that they have access to.
- The Biology minor requires prerequisites that do not count towards the units in the minor.
- Courses in the minor may not be counted toward your major, but may be used to satisfy preparation for the major and general education requirements, if applicable.
- Courses not listed above may be substituted with approval of the Biology Adviser.
- For courses requiring Biology 215 as a prerequisite, a different college level course in statistics may be acceptable with prior approval of the instructor.
- A maximum of 3 units of Biol 497 and 499 may be included in the minor with prior approval of the Bio. Dept.
- All courses taken for the minor must be taken for a letter grade, unless the course(s) in only offered CR/NC.

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**Course List**

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<tbody>
<tr>
<td>Biol 350</td>
<td>General Microbiology (4)</td>
<td>*Biol 523</td>
<td>Herpetology (3)</td>
<td>Biol 568</td>
<td>Bioinformatics (3)</td>
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<td>Biol 351</td>
<td>Genetics (3)</td>
<td>Biol 524</td>
<td>Ornithology (4)</td>
<td>Biol 570</td>
<td>Neurobiology (3)</td>
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<td>Biol 352</td>
<td>Evolution (3)</td>
<td>*Biol 525</td>
<td>Mammalogy (3)</td>
<td>Biol 575</td>
<td>Mol. Basis Heart Dis. (3)</td>
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<td>Biol 354L</td>
<td>Experimental Ecology (2)</td>
<td>Biol 527</td>
<td>Animal Behavior (3)</td>
<td>Biol 584</td>
<td>Medical Microbiology (3)</td>
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<tr>
<td>Biol 458</td>
<td>Plant Biology (3)</td>
<td>*Biol 531</td>
<td>Taxonomy CA Plants (4)</td>
<td>Chem 200</td>
<td>General Chemistry I (5)</td>
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<td>Biol 480</td>
<td>Clinical Hematology (3)</td>
<td>Biol 535</td>
<td>Plant Ecology (4)</td>
<td>Chem 201</td>
<td>General Chemistry II (5)</td>
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<td>Biol 485</td>
<td>Princ. of Immunology (3)</td>
<td>Biol 540</td>
<td>Conservation Ecology (3)</td>
<td>Chem 232</td>
<td>Organic Chemistry (3)</td>
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<td>Biol 509</td>
<td>Advanced Evolution(3)</td>
<td>Biol 542</td>
<td>Ecol Signaling in Envir (3)</td>
<td>Chem 232L</td>
<td>Organic Chemistry Lab (1)</td>
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**Biology Undergraduate Advising Center**

[http://www.sci.sdsu.edu/bioadvise/](http://www.sci.sdsu.edu/bioadvise/)  
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Ms. Amy Tappen, Biology Undergraduate Academic Advisor  
Ms. Arlene Castillo, M.S., Administrative Coordinator  

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