## The Biology Major (starting Fall 2017)

### Biology Major Requirements

**Lower Division:**
Biology 240/240L, 242/242L
Additional prep: Chemistry 151/151L, 152/152L, 301/301L; Physics 136/136L, 137/137L; one semester of college calculus.

**Upper Division:**
A minimum of 28 upper division (UD) Biology units is required and must include: 300 (3 units), 305 (3), 309 (2), and 495 (2). The 18 remaining UD units must include 3 lab courses and a Research Experience (see below).

### Research Experience Requirement
Choose one of the following (none can count as an upper division lab):

- **490 (Research Project)**—309 is prereq.
- **491 (Science in the Public Domain)**—309 is prereq.
- **496 (Research with Professor)**—3 units over at least 2 semesters, 309 is recommended; you can start any time—ask your advisor how.
- **498 (Research Internship)**—3 units over at least 2 semesters, prereqs will vary.

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### Introductory series
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>240 + 240L</td>
<td>Bioenergetics and Systems</td>
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<tr>
<td>242 + 242L</td>
<td>Genomes and Evolution</td>
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</tbody>
</table>

Can be taken in either order, starting Fall or Spring; one per semester.

### Foundations in Biology series
<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>300</td>
<td>(Genetics)</td>
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<tr>
<td>305</td>
<td>(Ecology)</td>
</tr>
<tr>
<td>309</td>
<td>(Research Methods)</td>
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</tbody>
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Taken over 2 semesters, any order; 240/240L and 242/242L are prerequisites.

### Upper Division electives

- 18 units; at least 3 courses must include labs

**Plan your Research Experience!**

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**Complete Research Experience before your last semester at USD**

**495 (Biology Capstone Seminar) - Fall or Spring**

After completion of Research Experience