# Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 520</td>
<td>Plant Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 540</td>
<td>Mammalian Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 544</td>
<td>Advanced Comparative Animal Physiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 592</td>
<td>Graduate Colloquium</td>
<td>1</td>
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</tbody>
</table>

## Electives and Culminating Experience

### Electives

Select 15-17 credits from the following (15 credits required if Thesis option is chosen):

- BIOL 533 Advanced Cell Biology
- BIOL 542 Advanced Endocrinology
- BIOL 543 Advances in Immunology
- BIOL 546 Topics in Physiology
- BIOL 547 Molecular Biology I
- BIOL 549 Topics in Developmental Biology
- BIOL 552 Biology of Lipids
- BIOL 554 Microbial Physiology
- BIOL 570 Ecology
- BIOL 571 Physiological Plant Ecology
- BIOL 576 Biology of Extreme Habitats
- BIOL 579 Physiological Ecology of Animals
- BIOL 586 Selected Advanced Topics in Biology
- STAT 532 Fundamentals of Statistics
- STAT 537 Design and Analysis of Experiments
- STAT 538 Regression Methods

### Culminating Experience

#### Research in Biological Literature

- BIOL 597 Research in Biological Literature 1

#### Thesis or Non-Thesis Option

Select one of the following options: 4-6

- **Thesis**
  - BIOL 698 Master's Thesis

  Submit the completed Thesis original and one copy to the Graduate Office. See Thesis Guidelines for details.

- **Research and Comprehensive Examination**
  - BIOL 599 Introduction to Biological Research
  - GRAD CMP Comprehensive Examination

  In the term that you will sit for exam, register for the section which matches your major & advisor. Successfully pass exam.

### Total Credits

32