# PROGRAM POLICIES

- Complete 33 credit hours of graduate work, which are generally completed in a two-year period. Two different program options are offered:
  - M.S. thesis
  - M.S. non-thesis
- Both options include a substantial component of laboratory and/or field work and certification of an Allied Professional Skill.
- Maintain a 3.0 GPA each semester.
- Students who earn a C are required to meet with the departmental Graduate Committee.
- Student who earn a second C are dismissed from the program.
- Any grade of D or lower results in dismissal from the program.

---

**Advisement for the program is available from the Biological Sciences Department.**

## PROGRAM REQUIREMENTS

### Core Courses (6 credits)

<table>
<thead>
<tr>
<th>Course No. &amp; Title</th>
<th>Credits</th>
<th>Grade</th>
<th>Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL502 - Biology and Environment</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL508 - Science Communication</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BIOL575 - Modern Molecular Biology</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MATH5XX - Statistics</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

All students must complete 2 courses from the following (circle courses taken):

- BIOL502 - Biology and Environment 3
- BIOL508 - Science Communication 3
- BIOL575 - Modern Molecular Biology 3
- MATH5XX - Statistics 3

### Allied Professional Skills Requirement

**ALLIED PROFESSIONAL SKILLS CERTIFICATION**

<table>
<thead>
<tr>
<th>Professional Skill</th>
<th>Faculty Written Certification</th>
<th>Skills Course Completion</th>
<th>BIOL590 - Topics: Allied Professional Skill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(date)</td>
<td>(date)</td>
<td>(date)</td>
</tr>
</tbody>
</table>

- OR
- OR
- OR

### Program Options (27 credits)

All students must choose between 1 of 2 options to fulfill the program requirements: thesis or non-thesis option.

#### THESIS OPTION

- Complete the following:
  - BIOL515 - Research in Biology 12
  - BIOL 520 - Graduate Professional Development Seminar 1
  - BIOL601 - Thesis Preparation 3

- Complete 11 credits of Graduate Electives courses from the list below (write in the course number, credits and name):

  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -

#### NON-THESIS OPTION

- Complete the following:
  - BIOL515 - Research in Biology 6

- Complete 20 credits of Graduate Electives courses from the list below (write in the course number, credits and name):

  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -
  - BIOL -

### GRADUATE ELECTIVES

Core courses may also be used to complete this requirement.

- BIOL500 - Wetland Ecology 4
- BIOL503 - Contemporary Cell Biology 3
- BIOL504 - Perspectives in Modern Genetics 3
- BIOL505 - Ornithology 4
- BIOL507 - The Biology of Fishes 3
- BIOL510 - Estuarine Ecology 4
- BIOL513 - Entomology 4
- BIOL521 - Mammalogy 4
- BIOL522 - Vertebrate Physiology 4
- BIOL523 - Biology of Reptiles and Amphibians 4
- BIOL525 - Toxicology 3
- BIOL530 - Plant Physiology 4
- BIOL532 - Immunology 3
- BIOL533 - Environmental Microbiology 4
- BIOL535 - Evolutionary Biology 3
- BIOL540 - Contemporary Genetics 4
- BIOL541 - Bioinformatics II 4
- BIOL542 - Animal Behavior 3
- BIOL545 - Virology 3
- BIOL550 - Internship in Biology 1.3
- BIOL552 - Advanced Human Physiology/Pathophysiology 3
- BIOL560 - Biology of Cell Membranes 3
- BIOL570 - International Field Studies 3
- BIOL565 - Advanced Cell Biology 3
- BIOL590 - Graduate Special Topics in Biology 1.4