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.
• Students 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>
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<tr>
<td>BIOL575 - Modern Molecular Biology</td>
<td>3</td>
<td></td>
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<tr>
<td>MATH5XX - Statistics</td>
<td>3</td>
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</tbody>
</table>

All students must complete 2 courses from the following (circle courses taken):
- BIOL515 - Research in Biology (must be repeated to equal 12 total credits)
- BIOL520 - Graduate Professional Development Seminar
- BIOL601 - Thesis Preparation

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

Allied Professional Skills Requirement

ALLIED PROFESSIONAL SKILLS CERTIFICATION

Name of Allied Professional Skill: ____________________________

| Faculty Written Certification: (date) | OR |
| Skills Course Completion: (date) | OR |
| BIOL590 - Topics: Allied Professional Skill: (date) |

Program Options (27 credits)

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

Course No. & Title | #Credits | Grade | Term Completed |
|--------------------|----------|-------|----------------|

THESIS OPTION

Complete the following:
- BIOL515 - Research in Biology 12

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

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 - _________________________ ____ ____ ______

GRADUATE ELECTIVES

Core courses may also be used to complete this requirement.

<table>
<thead>
<tr>
<th>Course No. &amp; Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL500 - Wetland Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL503 - Contemporary Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL504 - Perspectives in Modern Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOL505 - Ornithology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL507 - The Biology of Fishes</td>
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</tr>
<tr>
<td>BIOL510 - Estuarine Ecology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL513 - Entomology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL521 - Mammalogy</td>
<td>4</td>
</tr>
<tr>
<td>BIOL522 - Vertebrate Physiology</td>
<td>4</td>
</tr>
<tr>
<td>BIOL523 - Biology of Reptiles and Amphibians</td>
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</tr>
<tr>
<td>BIOL525 - Toxicology</td>
<td>3</td>
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<tr>
<td>BIOL530 - Plant Physiology</td>
<td>4</td>
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<tr>
<td>BIOL532 - Immunology</td>
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</tr>
<tr>
<td>BIOL533 - Environmental Microbiology</td>
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<tr>
<td>BIOL535 - Evolutionary Biology</td>
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<tr>
<td>BIOL540 - Contemporary Genetics</td>
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<tr>
<td>BIOL541 - Bioinformatics II</td>
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<tr>
<td>BIOL542 - Animal Behavior</td>
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<td>BIOL545 - Virology</td>
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<td>BIOL550 - Internship in Biology</td>
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<tr>
<td>BIOL552 - Advanced Human Physiology/Pathophysiology</td>
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<tr>
<td>BIOL560 - Biology of Cell Membranes</td>
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<td>BIOL570 - International Field Studies</td>
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<tr>
<td>BIOL565 - Advanced Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL590 - Graduate Special Topics in Biology</td>
<td>1-4</td>
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