BIOLOGICAL SCIENCES (M.S.)

Requirements

Course Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Core Requirements 1</td>
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<tr>
<td>BISC 7501</td>
<td>Population &amp; Community Biology</td>
<td>4</td>
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<tr>
<td>BISC 7502</td>
<td>Eukaryotic Molecular Biology</td>
<td>4</td>
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<tr>
<td>BISC 7503</td>
<td>Community and Ecosystem Ecology</td>
<td>4</td>
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<tr>
<td>BISC 6734</td>
<td>Cell Biology of Eukaryotes</td>
<td>4</td>
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Non-Core Requirements

BISC 6525  Biostatistics 2  2
BISC 7801  Methods in Cell and Molecular Biology  1
BISC 8999  Independent Study (graded on a letter scale)  2
BISC 8801  Biological Colloquium I (taken twice)  0

Concentration-Specific Requirements

Cell & Molecular Biology Concentration
BISC 7804  Techniques in Molecular Biology

Ecology & Systematics Concentration
BISC 6535  Ecological Methods
One Additional Elective Credit 3

Electives/Research Tutorials

BISC 6999  Research for M.S. in Biological Sciences (independent research, graded pass/fail)  4
BISC 8999  Independent Study (graded on a letter scale)  2

Graduate-Level Biological Sciences Electives 5

Comprehensive Exam
BISC 0936  Master's Comprehensive Examination-Biology  6

Total Credits 34-35

Please note:
1. For M.S. students, only one grade of "C" may count towards the Core requirements.
2. BISC 7501 Population & Community Biology is the prerequisite for BISC 7503 Community and Ecosystem Ecology.
3. BISC 7502 Eukaryotic Molecular Biology is the prerequisite for BISC 6734 Cell Biology of Eukaryotes.
4. A grade of "B" or higher is required in Biostatistics for the course to fulfill the GSAS Language Requirement.
5. See "Electives/Research Tutorials" for courses that can count towards this additional required credit.
6. If students who complete 6 credits of BISC 6999 Research for M.S. in Biological Sciences opt to write and defend a thesis, they must register for BISC 0900 M.S. Thesis Defense in the semester of their thesis defense. The writing and defense of an M.S. thesis is optional.

Degree Requirements

1. A minimum of 34 (Ecology & Systematics concentration) and 35 (Cell & Molecular concentration) course credits including at least 2 credits of research tutorial. For the M.S. degree with thesis, credits must include a minimum of 6 M.S. research credits, submission of a thesis document approved by the thesis committee, and an oral defense of the thesis is also required. All research tutorial credits and M.S. tutorial credits earned during years 1 and 2 count as course credits. It is not unusual for students to take more than 35 credits to complete their degree.

2. Reading knowledge of a foreign language (a computer language or statistics may be substituted for a foreign language).

3. Acceptable performance on the M.S. comprehensive examination (BISC 0936), which is achieved by a score of 70% or higher (grade of Pass).

4. Maintenance of a 3.0 GPA.

CIP Code
26.0101 - Biology/Biological Sciences, General.
You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.

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