BIOLOGY - ECOLOGY & EVOLUTION CONCENTRATION (M.S.)

For details about this program, including program description, admission requirements, and contact information, click here (https://www.montclair.edu/graduate/programs-of-study/biology-ecology-evolution-concentration-ms/).

### Program Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOL 570</td>
<td>Ecology</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 580</td>
<td>Evolutionary Mechanisms</td>
<td>3</td>
</tr>
<tr>
<td>BIOL 592</td>
<td>Graduate Colloquium</td>
<td>1</td>
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<tr>
<td>BIOL 571</td>
<td>Physiological Plant Ecology</td>
<td>3-4</td>
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<tr>
<td>or BIOL 579</td>
<td>Physiological Ecology of Animals</td>
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Select one of the following: 3-4

- AQUA 551 Advanced Aquatic Biological Processes
- BIOL 572 Wetland Ecology
- BIOL 573 Shoreline Ecology

### Electives

Select 10-14 credits from the following: 10-14

- BIMS 564 Benthic Ecology
- BIOL 520 Plant Physiology
- BIOL 521 Field Studies of Flowering Plants
- BIOL 532 Advanced Entomology
- BIOL 547 Molecular Biology I
- BIOL 548 Molecular Biology II
- BIOL 574 Behavioral Ecology
- BIOL 576 Biology of Extreme Habitats
- BIOL 586 Special Topics in Advanced Biology
- BIOL 595 Conservation Biology: The Preservation of Biological Diversity
- EAES 545 Paleoeocology
- EAES 563 Natural Resource Management
- STAT 532 Fundamentals of Statistics
- STAT 536 Statistical Theory
- 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: 4-6

- Thesis - Complete for 6 credits
  - 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

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<tr>
<td></td>
<td>Grad CMP Comprehensive Examination</td>
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<td>In the term that you will sit for exam, register for the section which matches your major &amp; advisor. Successfully pass exam.</td>
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| Total Credits | 32 |