Prerequisites are shown in italics.

CREDIT EVALUATION
The University of Montana Western
2013-2014 Catalog

**MATHEMATICS OPTION AREA**

**MATHEMATICAL ECOLOGY**

*All Mathematics courses for a Math Major must be completed with a B- or better.*

**General Education Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Acceptance</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOB 160 Principles of Living Systems</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>CHMY 141 College Chemistry</td>
<td>4</td>
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</tbody>
</table>

* require M 095 or appropriate ACT/SAT scores

**Mathematical Ecology Core Requirements**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Acceptance</th>
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<tbody>
<tr>
<td>BIOB 170 Prin of Biological Diversity</td>
<td>4</td>
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</tr>
<tr>
<td>BIOB 260 Cell &amp; Molecular Biology</td>
<td>4</td>
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</tr>
<tr>
<td>BIOB 375 General Genetics</td>
<td>4</td>
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<tr>
<td>BIOB 420 Evolution</td>
<td>4</td>
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<tr>
<td>BIOE 370 General Ecology</td>
<td>4</td>
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<tr>
<td>STAT 335 Advance Field Statistics</td>
<td>4</td>
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</tbody>
</table>

* require M 095 or appropriate ACT/SAT scores, BIOB 160 recommended

**Select 1 of the following:**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Acceptance</th>
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<tbody>
<tr>
<td>BIOE 222 Invasive Species</td>
<td>4</td>
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<tr>
<td>BIOE 250 Conservation Biology</td>
<td>4</td>
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<tr>
<td>BIOE 425 Wetlands Ecology</td>
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<tr>
<td>BIOE 427 General Parasitology</td>
<td>4</td>
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</tr>
<tr>
<td>BIOO 262 Intro to Entomology</td>
<td>4</td>
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<tr>
<td>BIOO 435 Plant Systematics</td>
<td>4</td>
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<tr>
<td>BIOO 450 Vertebrate Zoology</td>
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<tr>
<td>BIOO 470 Ornithology</td>
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<tr>
<td>BIOO 475 Mammalogy</td>
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<tr>
<td>WILD 471 Wildlife Ecology &amp; Mgmt</td>
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</table>

* require BIOB 170

**TOTAL CREDITS**

<table>
<thead>
<tr>
<th>Credits</th>
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<tbody>
<tr>
<td>28</td>
</tr>
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</table>