BIOLOGY - BACHELOR OF ARTS

The Bachelor of Arts curriculum is intended for students who desire a broad education with emphasis in biology in a program chosen by the student in consultation with an academic advisor. The Bachelor of Arts is recommended for those who plan to teach at the primary levels or to use a background in life science in business or other endeavors.

Requirements

Students must complete all University degree requirements, which include: General Education requirements, Viewing a Wider World requirements, and elective credits to total at least 120 credits with 48 credits in courses numbered 300 or above. Developmental coursework will not count towards the degree requirements and/or elective credits, but may be needed in order to take the necessary English and Mathematics coursework.

<table>
<thead>
<tr>
<th>Prefix</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>General Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Area I: Communications</td>
<td>English Composition - Level 1</td>
<td>1</td>
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<tr>
<td></td>
<td>English Composition - Level 2</td>
<td>1</td>
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<tr>
<td></td>
<td>Oral Communication</td>
<td>1</td>
</tr>
<tr>
<td>Area II: Mathematics</td>
<td>MATH 142G Calculus for the Biological and Management Sciences</td>
<td>3-4</td>
</tr>
<tr>
<td></td>
<td>or MATH 191G Calculus and Analytic Geometry I</td>
<td></td>
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<tr>
<td>Area III/IV: Laboratory Sciences and Social/Behavioral Sciences</td>
<td>CHEM 111G General Chemistry I</td>
<td>3</td>
</tr>
<tr>
<td>Area IV: Social/Behavioral Sciences course (3 credits)</td>
<td>CHEM 112G General Chemistry II</td>
<td>3</td>
</tr>
<tr>
<td>Area V: Humanities</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>Area VI: Creative and Fine Arts</td>
<td>BIOL 111G Natural History of Life and Natural History of Life Laboratory (Departmental Requirement)</td>
<td>4</td>
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</table>

Viewing a Wider World

1. See the General Education (http://catalogs.nmsu.edu/nmsu/essential-information-students/general-education-courses/#nmcommoncoretext) section of the catalog for a full list of courses.
2. Either MATH 142G Calculus for the Biological and Management Sciences or MATH 191G Calculus and Analytic Geometry I is required for the degree but students may need prerequisite courses before entering one of these.
3. See the Viewing a Wider World (http://catalogs.nmsu.edu/nmsu/essential-information-students/general-education-courses/#viewingawiderworldtext) section of the catalog for a full list of courses.
4. Choice of Biology electives should be done in consultation with an advisor.
5. Second Language: See the Biology Department (http://catalogs.nmsu.edu/nmsu/arts-sciences/biology) Overview in the catalog for a list of options.
6. Elective credit may vary depending on prerequisites, dual credit, AP credit, double majors, and/or minor coursework. The elective credit in the requirement list is the amount needed to bring the total to 120 credits and may vary based on the degree. Students may need to complete more or less courses on a case-by-case basis and each student should discuss this with their advisor.

Select 3-4 credits from one of the following departments: astronomy, computer science, geology or physics

Second Language Requirement

The number of credits required to satisfy this requirement will vary depending on the option a student chooses. See the Biology Department Overview in the catalog for a list of options.

Electives, to bring the total credits to 120

Selective sufficient electives to bring the total to 120, including at least 48 upper-division credits.

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<thead>
<tr>
<th>Prefix</th>
<th>Title</th>
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<tbody>
<tr>
<td>OR</td>
<td>CHEM 313 Organic Chemistry I</td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>&amp; CHEM 314 Organic Chemistry II</td>
<td>1</td>
</tr>
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<td></td>
<td>&amp; CHEM 315 and Organic Chemistry Laboratory</td>
<td>1</td>
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<tr>
<td></td>
<td>Select 3-4 credits from one of the following departments:</td>
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<tr>
<td></td>
<td>astronomy, computer science, geology or physics</td>
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<tr>
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<tbody>
<tr>
<td>Departmental Requirements</td>
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<tr>
<td>BIOL 211G Cellular and Organismal Biology</td>
<td>3</td>
<td></td>
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<tr>
<td>BIOL 211GL Cellular and Organismal Biology Laboratory</td>
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<td></td>
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<tr>
<td>BIOL 301 Principles of Ecology</td>
<td>3</td>
<td></td>
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<tr>
<td>BIOL 305 Principles of Genetics</td>
<td>3</td>
<td></td>
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<tr>
<td>BIOL 377 Cell Biology</td>
<td>3</td>
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<tr>
<td>BIOL 467 Evolution</td>
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Biology Electives

Select sufficient upper-division biology electives to bring total upper-division credits to 24.

Non-Departmental Requirements (in addition to Gen.Ed/ VWW)

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<tr>
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<tbody>
<tr>
<td>Organic Chemistry Requirement</td>
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<tr>
<td>CHEM 211 Organic Chemistry</td>
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