Biology, Botany, and Zoology
Associate of Science Degree

Transfer Program
The biological sciences deal with the basic principles of all living things: structure, function, and ecological associations. An understanding of biological principles is important in a wide variety of fields, including the health professions, education, agriculture, forestry, and environmental sciences. Completion of the following courses results in an Associate of Science Degree with an area of emphasis in Biology, Botany, and Zoology. The required coursework normally fulfills the first half of baccalaureate degree requirements in Biology, Botany, or Zoology. Course selection should be tailored to match requirements defined by intended transfer institution.

Program Requirements

General Education Requirements (see pages 48-49)

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEM 1 - Written Communication</td>
<td>6</td>
</tr>
<tr>
<td>GEM 2 - Oral Communication</td>
<td>3</td>
</tr>
<tr>
<td>GEM 3 - Mathematical Ways of Knowing</td>
<td>0</td>
</tr>
<tr>
<td>GEM 4 - Scientific Ways of Knowing</td>
<td>1</td>
</tr>
<tr>
<td>GEM 5 - Humanistic and Artistic Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 6 - Social and Behavioral Ways of Knowing</td>
<td>6</td>
</tr>
<tr>
<td>GEM 7 - Institutionally Designated</td>
<td>4</td>
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</tbody>
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Program Requirements

Course No. | Title                          | Credits |
----------|--------------------------------|---------|
BIOL-115  | Introduction to Life Sciences  | 4       |
BIOL-231  | General Ecology                | 4       |
BTNY-203  | General Botany                 | 4       |
CHEM-111  | Principles of General College Chemistry I | 5       |
CHEM-112  | Principles of General College Chemistry II | 5       |
PHYS-111  | General Physics I              | 4       |
ZOOL-202  | General Zoology                | 4       |

Choose one course from the following: 4
BACT-250  | General Microbiology          | 2       |
BTNY-241  | Systematic Botany             | 2       |

Choose one course from the following: 4
MATH-160  | Survey of Calculus            |         |
MATH-170  | Analytic Geometry and Calculus I |       |

Elective Requirements

Courses 100-level or higher 0

Total Credits (minimum) 63

Notes:
1. This General Education Requirement is met by the Program Requirements.
2. Select course based on intended transfer institution.