NVC BIOLOGY DEPARTMENT COURSE PATTERNS

**Biology Major/Pre-med Transfer Courses**

**Prerequisites**

- BIOL 120 - General Biology
  - MATH 94 and CHEM 120

- BIOL 240 - General Zoology
  - BIOL 120 and associated prerequisites

- BIOL 241 - General Botany

**Example two-year course pattern for biology majors:**

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Fall: CHEM 120, MATH (100-level)¹</th>
<th>Spring: BIOL 120, CHEM 121, MATH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2</td>
<td>Fall: BIOL 240 (fall only)</td>
<td>Spring: BIOL 241 (spring only)</td>
</tr>
</tbody>
</table>

¹ Pre-calculus sequence (MATH 106 and 108) or Calculus I and II (MATH 120 and 121)

**Pre-Nursing/Pre-Health Occupations Courses**

**Prerequisites**

- BIOL 105 - Human Biology
  - (Recommended preparation: ENGL 90, MATH 94, and CHEM 110)

- BIOL 218 - Human Anatomy
  - BIOL 105 or BIOL 120, ENGL 90 and MATH 94

- BIOL 219 - Human Physiology²
  - same prerequisites as BIOL 218 plus CHEM 110

- BIOL 220 - General Microbiology
  - BIOL 219 or BIOL 120 and associated prerequisites

² BIOL 218 is recommended to be taken before BIOL 219. BIOL 218 and 219 may not be taken concurrently except by petition approved by the department.

**Example two- to three-year³ course pattern for pre-nursing students:**

<table>
<thead>
<tr>
<th>Year 0/1</th>
<th>Recommended Preparation: ENGL 90, MATH 94, CHEM 110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 1/2</td>
<td>Fall: BIOL 105, ENGL 120</td>
</tr>
<tr>
<td>Year 2/3</td>
<td>Fall: BIOL 219</td>
</tr>
</tbody>
</table>

³ students who have already met their basic English, Math and Chemistry requirements can complete the pattern in two years; otherwise three years is needed to complete the pattern.

**General Education/Non-majors Biology Courses**

(no prerequisites)

- BIOL 103 - Introduction to Nutrition
- BIOL 110 - Survey of Biology
- BIOL 112 - Introduction to Ecology
- BIOL 117 - Wildlife Biology