### BIOLGY HEALTH SCIENCES SEQUENCE - POST-BACCALAUREATE CERTIFICATION

Credits required: 66

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>BIO 100</td>
<td>Introduction to Cell and Molecular Biology</td>
<td>4</td>
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<tr>
<td>BIO 102</td>
<td>Introduction to Ecology and Evolutionary Biology</td>
<td>4</td>
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<tr>
<td>BIO 218</td>
<td>Biodiversity</td>
<td>4</td>
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<tr>
<td>BIO 325</td>
<td>Microbiology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 337</td>
<td>Genetics</td>
<td>4</td>
</tr>
<tr>
<td>BIO 356</td>
<td>Developmental Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIO 493</td>
<td>Biology Seminar</td>
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<tr>
<td>BIO 494</td>
<td>Biology Seminar</td>
<td>4</td>
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#### Required Mathematics courses (select 1 option):

- PSY 310 and MAT 111
  - Option 1: Behavior Science Statistics and College Algebra
    - 4 credits
- MAT 216
  - Option 2: Elementary Statistics
    - 4 credits

#### Required Chemistry courses:

- CHE 113 General Chemistry I
  - 4 credits
- CHE 114 General Chemistry II
  - 4 credits
- CHE 333 Organic Chemistry I
  - 4 credits
- CHE 334 Organic Chemistry II
  - 4 credits

#### Required Physics courses:

- PHY 201 General Physics I
  - 4 credits
- PHY 202 General Physics II
  - 4 credits

#### Choose 2 from the following courses:

- BIO 442 Advanced Microbiology
  - 4 credits
- BIO 448 Animal Behavior
  - 4 credits
- BIO 457 Ecology
  - 4 credits

#### Choose 4 credits from the following courses:

- BIO 207 Field Studies in Costa Rica
  - 3 credits
- BIO 211 Human Anatomy
  - 4 credits
- BIO 212 Human Physiology
  - 4 credits
- BIO 215 Botany
  - 4 credits
- BIO 216 Environmental Science
  - 3 credits
- BIO 220 Contemporary Environmental Issues
  - 3 credits
- BIO 250 Cell Biology
  - 3 credits