A minimum of 125 credits is needed for graduation (127 if MA 011 is taken). This major requires a minimum of 67 credits with 3 years of completed coursework at Elizabethtown. Some major courses may also fulfill Core requirements.

Requirements for B.S. Degree (Completed at Etown)

Cooperative 3 + 4 in Biology – Pennsylvania College of Optometry at Salus University
Academic Year 2013 – 2014

Name: ______________________________________________________
Advisor: ____________________________________________________

MAJOR COURSES FOR FIRST 3 YEARS ON CAMPUS

Students must complete one year of biology, organic chemistry, inorganic chemistry, and physics with associated laboratories by the end of their sophomore year. By the end of sophomore year, GPA must be a 3.3 or above in the major and overall.

<table>
<thead>
<tr>
<th>Biology Department</th>
<th>Credits</th>
<th>Grade</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIO 111 Molecules, Cells and Animal Systems</td>
<td>4.00</td>
<td>____</td>
<td>____</td>
</tr>
<tr>
<td>BIO 112 Prin. of Evolution, Ecology and Diversity of Life</td>
<td>4.00</td>
<td>____</td>
<td>____</td>
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<tr>
<td>BIO 211 Genetics</td>
<td>4.00</td>
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<tr>
<td>BIO 235 Microbiology</td>
<td>4.00</td>
<td>____</td>
<td>____</td>
</tr>
<tr>
<td>BIO 324 General Physiology</td>
<td>3.00</td>
<td>____</td>
<td>____</td>
</tr>
<tr>
<td>BIO 324L General Physiology Laboratory</td>
<td>1.00</td>
<td>____</td>
<td>____</td>
</tr>
</tbody>
</table>

Take 3 or 4 credits from the following:
BIO ____ ______________________________  ____  ____   ____

CH 105 Fundamentals of Chemistry | 4.00 | ____ | ____ |
CH 113 Organic Chemistry I | 4.00 | ____ | ____ |
CH 114 Organic Chemistry II | 4.00 | ____ | ____ |
CH 242 Physical Inorganic Chemistry | 4.00 | ____ | ____ |

PHY 103 General Physics I | 4.00 | ____ | ____ |
PHY 104 General Physics II | 4.00 | ____ | ____ |

Take MA 117, 121 or 251
MA ____ ______________________________ 4.00 | ____ | ____ |

PSY 105 General Psychology | 4.00 | ____ | ____ |

Additional English Requirement:
EN 100 or EN 150 (Completed as a core requirement)
EN ____ ______________________________ 4.00 | ____ | ____ |

If Fourth Year is completed at Elizabethtown College:

Take BIO313/313L or 317
BIO ____ ______________________________ 4.00 | ____ | ____ |

Take 7 or 8 credits from the following (at least 15 biology elective credits total are required):

BIO ____ ______________________________ 3/4 | ____ | ____ |
BIO ____ ______________________________ 3/4 | ____ | ____ |
BIO 412 Biology Seminar | 1.00 | ____ | ____ |

3/16/2013