**York College of Pennsylvania**

**2010-2011 Academic Year**

Baccalaureate Degree (Minimum 124 Credits)  
Worksheet for Biology, B.S.  
Dept. of Biological Sciences

**COMMON CORE:**  
- Analytical Reading/Writing: WRT 102  
- Academic Writing: WRT 202  
- Human Communication: CM 104  
- Information Literacy: IFL 101  
- Applied Calculus: MAT 120  
- Physical Education (2 crs.)  

**16 Credits**

**AREA DISTR. REQUIREMENTS:**

<table>
<thead>
<tr>
<th>I. Fine Arts &amp; Humanities</th>
<th>6 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>II. Social &amp; Behavioral Sciences</th>
<th>6 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>III. Laboratory Sciences</th>
</tr>
</thead>
</table>

**SATISIFIED BY MAJOR REQUIREMENTS**

<table>
<thead>
<tr>
<th>IV. Am/West. Civ., Am. Govt.</th>
<th>6 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>V. Int'l. Studies/Foreign Lang.</th>
<th>6 Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ELECTIVE COURSES:**  
- 17 Credits

**REQUIRED MAJOR COURSES:**  
- 47 Credits

**CHEMISTRY:**  
- General Chemistry I: CHM 134  
- General Chemistry II: CHM 136  
- Advanced Chemistry II: CHM 146  
- Organic Chemistry I: CHM 234  
- Organic Chemistry II: CHM 236

**PHYSICS:**  
- General Physics I: PHY 110  
- General Physics II: PHY 112

**BIOLOGY:**  
- Intro. Scientific Research: BIO 200  
- Genetics: BIO 240  
- Ecology: BIO 300  
- Senior Thesis: BIO 400

**ELECTIVE COURSES:**  
- 17 Credits

**REQUIREMENTS:**

- All courses must be completed with a minimum "2.0" grade. Courses may not be taken on a pass/fail basis.
- A minimum of 12 credits of the Area Distribution Requirements must be at the 200-level or above. Courses may not be taken on a pass/fail basis. See Registrar's Office for official list of courses.
- Six credits are to be taken in one of these two areas; if foreign language is selected, six credits must be in one language.
- Requirements listed apply to students who matriculate into or declare this major during the 2010-2011 academic year.
- PMD courses will not be considered upper division Biology electives.

<table>
<thead>
<tr>
<th><strong>UPPER DIV. BIOL. ELECTIVES:</strong> 20 Crs</th>
</tr>
</thead>
</table>

Choose one course from the Cellular/subcellular category and one from the Organismal/population category of the Upper Division Biology Electives. The remaining 12 credits must also be chosen from these categories.

**CELLULAR/SUBCELLULAR:**
- Biology of Microorganisms: BIO 330
- Biochemistry I: BIO 350
- Biochemistry II: BIO 352
- Immunology: BIO 354
- Reproduction & Development: BIO 356
- Cell & Molecular Biology: BIO 358
- Neurobiology: BIO 360

**ORGANISMAL/POPULATION:**
- Zoology: BIO 301
- Botany: BIO 302
- Animal Behavior: BIO 303
- Animal Physiology: BIO 304
- Plant Morphology: BIO 305
- Plant Systematics: BIO 306
- Marine Ecology/Chesapeake: BIO 308
- Evolutionary Biology: BIO 309

Courses offered at Wallops Island Marine Science Consortium may be transferred to York College for degree credits. Departmental approval is required in advance, and only one course may be used to fulfill an upper division elective.

**AN OVERALL CUMULATIVE GRADE POINT AVERAGE OF 2.0 OR BETTER IS REQUIRED IN ALL BIOLOGY COURSES FOR GRADUATION.**

*(Signed) Faculty Advisor  Date*

*(Signed) Dept. Chair  Date*