**BIOLOGY MAJOR 2014-2015**

This checklist is for reference only. Please see the College Catalog and check with your major adviser or department chair to assure compliance with graduation requirements.

**Note: Pre-requisites boldface and in parentheses.**

At least half the credits for the major must be completed at the college, and all courses must be completed with a grade of C or better.

I. Required Courses

<table>
<thead>
<tr>
<th>Sem.Taken</th>
<th>Cr. Earned</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

a. Physical Science Courses (8-12 semester-hours):

- CHEM 103  General Chemistry I (or satisfactory completion of Chemistry Placement Exam)
- CHEM 106  General Chemistry II *(CHEM 103 or satisfactory completion of Placement Exam)*
- CHEM 311  Organic Chemistry I *(CHEM 106)*

The Following Courses Are Recommended For All Students and Are Required By Most Graduate and Professional Schools:

- CHEM 312  Organic Chemistry II *(CHEM 311)*
- PHYS 121  College Physics I or PHYS 141 Gen. Physics I *(co-requisite MATH 151)*
- PHYS 122  College Physics II *(PHYS 121)* or PHYS 142 Gen Physics II *(PHYS 141)* *(co-requisite MATH 152)*
- MATH 151  Calculus I
- MATH 152  Calculus II *(MATH 151)*

b. Biology Core Courses (16 semester-hours):

- BIOL 105  Principles of Biology I *(co-requisite BIOL105L)*
- BIOL 106  Principles of Biology II *(BIOL105, BIOL105L)* *(co-requisite, BIOL106L)*
- BIOL 270  Genetics *(BIOL105, BIOL105L, BIOL106, BIOL106L)* *(co-requisite, BIOL270L, CHEM103)*
- BIOL 271  Ecology and Evolution *(BIOL105, BIOL105L, BIOL106, BIOL106L, BIOL 270, BIOL270L)*

c. Biology Core Labs (4 semester-hours)

- BIOL105L Principles of Biology I Lab *(co-requisite BIOL105)*
- BIOL106L Principles of Biology II Lab *(BIOL105, BIOL105L)* *(co-requisite BIOL106)*
- BIOL207L Genetics Lab *(BIOL105, BIOL105L, BIOL106, BIOL106L)* *(co-requisite BIOL270, CHEM10)*
- BIOL271L Ecology and Evolution *(BIOL105, BIOL105L, BIOL106, BIOL106L, BIOL270, BIOL270L)*

II. A minimum of 16 semester-hours in upper-division Biology courses is required (excluding Practicum in Biology Laboratory Instruction [BIOL 485], Internship [BIOL 398, 498], and Independent Study [BIOL 399, 499])

The second four semester-hours of a St. Mary’s Project in biology (BIOL 494) may be counted toward the total 16.

Of the 16 semester-hours at least eight, not including St. Mary’s Project, must include a laboratory component and eight must be taken at St.Mary's.

<table>
<thead>
<tr>
<th>Course 1 with lab:</th>
<th>Taken at St. Mary's? Y N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Course 2 with lab:</td>
<td>Taken at St. Mary's? Y N</td>
</tr>
<tr>
<td>Course 3 with or without lab:</td>
<td>Taken at St. Mary's? Y N</td>
</tr>
<tr>
<td>Course 4 with or without lab:</td>
<td>Taken at St. Mary's? Y N</td>
</tr>
</tbody>
</table>

III. Every Biology major must complete a St. Mary’s Project:

This project may be in biology or in another major discipline or a study area.

- (BIOL) 493  St. Mary’s Project (approval of the dept. chair of Biology)
- (BIOL) 494  St. Mary’s Project
) co-requisite BIOL271L

3
co-requisite BIOL271