**BIOLOGY MAJOR 2011-2012**

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 in parentheses**

I. Required Courses

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<th>Sem.Taken</th>
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### 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-re
- MATH 151  Calculus I
- MATH 152  Calculus II (MATH 151)

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

- BIOL 105  Principles of Biology I
- BIOL 106  Principles of Biology II (BIOL105, BIOL105L) co-requisite, BIOL106L
- BIOL 270  Genetics (BIOL.106, BIOL106L) co-requisite, BIOL270L, CHEM103
- BIOL 271  Ecology and Evolution (BIOL 270,BIOL270L) co-requisite BIOL271L

### 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 (BIOL106, BIOL106L) co-requisite BIOL270, CHEM103
- BIOL271L  Ecology and Evolution (BIOL 270, BIOL270L) co-requisite BIOL271

II. A minimum of 16 semester-hours in upper-division Biology courses is required (excluding Practicum in Biology Laboratory Instruction [BIOL485], 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.

- Course 1:  
- Course 2:  
- Course 3:  
- Course 4:  

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