

BIOLOGY MAJOR 2012-2013

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

Sem. Taken	Cr. Earned	
		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 <i>co-requisite MATH 151</i>
		PHYS 122 College Physics II (PHYS 121) or
		PHYS 142: Gen Physics II (PHYS 141) <i>co-req. MATH 152</i>
		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) <i>co-requisite BIOL106L</i>
		BIOL 270 Genetics (BIOL 106, BIOL106L) <i>co-requisite, BIOL270L, CHEM103</i>
		BIOL 271 Ecology and Evolution (BIOL 270, BIOL270L) <i>co-requisite BIOL271L</i>

c. Biology Core Labs (4 semester-hours)

		BIOL105L Principles of Biology I Lab <i>co-requisite BIOL105</i>
		BIOL106L Principles of Biology II Lab (BIOL105, BIOL105L) <i>co-requisite BIOL106</i>
		BIOL207L Genetics Lab (BIOL106, BIOL106L) <i>co-requisite BIOL270, CHEM103</i>
		BIOL271L Ecology and Evolution (BIOL270, BIOL270L) <i>co-requisite BIOL271</i>

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