

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

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</i> MATH 151
		PHYS 122 College Physics II (PHYS 121) or PHYS 142 Gen Physics II (PHYS 141) <i>co-req.</i> 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 <i>co-requisite</i> BIOL105L
		BIOL 106 Principles of Biology II (BIOL105, BIOL105L) <i>co-requisite</i> , BIOL106L
		BIOL 270 Genetics (BIOL105, BIOL105L, BIOL106, BIOL106L) <i>co-requisite</i> , 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 <i>co-requisite</i> BIOL105
		BIOL106L Principles of Biology II Lab (BIOL105, BIOL105L) <i>co-requisite</i> BIOL106
		BIOL207L Genetics Lab (BIOL105, BIOL105L, BIOL106, BIOL106L) <i>co-requisite</i> BIOL270, CHEM103
		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.

		Course 1 with lab: Taken at St. Mary's? Y N
		Course 2 with lab: Taken at St. Mary's? Y N
		Course 3 with or without lab: Taken at St. Mary's? Y N
		Course 4 with or without lab: Taken at St. Mary's? Y N

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*

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co-requisite BIOL271