

BIOCHEMISTRY 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 in parentheses

I. Required Courses

Sem. Taken	Cr. Earned	
		a. Chemistry Courses (24–28 semester-hours)
		CHEM 103 General Chemistry I (may place out through exam)
		CHEM 106 General Chemistry II (pre-requisite - CHEM 103 or successful completion of the placement exam).
		CHEM 311 Organic Chemistry I (CHEM 106)
		CHEM 312 Organic Chemistry II (CHEM 311)
		CHEM 420 Biochemistry I (CHEM 312)
		CHEM 422 Biochemistry II (CHEM 420)
		CHEM 451 Physical Chemistry I (CHEM 106, PHYS 131, MATH 152)
		b. Biology Core Courses (14 semester-hours):
		BIOL 105 Principles of Biology I
		BIOL 105 L Principles of Biology I Lab
		BIOL 106 Principles of Biology II (BIOL 105)
		BIOL 106L Principles of Biology II Lab
		BIOL 471 Molecular Biology <i>co-requisite CHEM311</i>
		c. Cognate Courses (16 semester-hours)
		MATH 151 Calculus I
		MATH 152 Calculus II (MATH 151)
		PHYS 141 General Physics I <i>co-requisite MATH 151</i> ; may substitute PHYS 151: Fundamentals of Physics
		PHYS 142 General Physics II (PHYS 141) <i>co-requisite MATH 152</i> ; may substitute PHYS 152: Fundamentals of Physics II
		II. Every Biochemistry Major Must Complete a St. Mary's Project:
		BIOC 493 St. Mary's Project
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