

Four-Year Degree Plan for Major in Biology, B.S.

Note that this is a sample four-year plan for the general biology, organismal and evolutionary biology and molecular biology concentrations. Note the requirements for the Category I-III courses specific to each concentration. There are other course sequences that will allow a student to graduate within four years as long as prerequisite courses are taken in the proper sequence. A student must earn a minimum of 124 credit hours to qualify for the Bachelor of Science degree in Biology.

Degree Requirements

First (Freshman) Year - Fall Semester

BIO 198	General Biology I	3
BIO 198L	General Biology I Laboratory	1
CHE 152	General Chemistry I	3
CHE 153L	General Chemistry I Laboratory	1
AWR 101	Writing and Inquiry	4
BAC 101	First-Year Seminar I	1
	or	
HON 101	Pathways to Honors 1	1
MAT 170	Precalculus	4

Subtotal: 17

First (Freshman) Year - Spring Semester

BIO 199	General Biology II	3
BIO 199L	General Biology II Laboratory	1
CHE 154	General Chemistry II	3
CHE 155L	General Chemistry II Laboratory	1
MAT 260	Calculus I	4
	Humanities / Fine Arts or Social Science (Bacc. Exp.)	4
BAC 102	BAC 102 / Pathways to Honors 2	1

Subtotal: 17

Biology lower-core curriculum complete. Upper-division biology courses (above BIO 199/198, ENS 200, and MAR 201) require completion of the lower-core curriculum with a grade of "C" or better in each course — BIO 198, BIO 198L, BIO 199, BIO 199L, CHE 152, CHE 153, CHE 154, CHE 155, MAT 170.

Second (Sophomore) Year - Fall Semester

BIO 200	General Genetics	4
	or	
BIO 201	Molecular Genetics	4
CHE 232	Organic Chemistry I	3
CHE 233L	Organic Chemistry I Laboratory	1
PHY 200	General Physics I	4
	or	
PHY 205	General Physics with Calculus I	4
AWR 201	Writing and Research	4

Subtotal: 16

Second (Sophomore) Year - Spring Semester

BIO	Biology elective	4
CHE 234	Organic Chemistry II	3
CHE 235L	Organic Chemistry II Laboratory	1
PHY 201	General Physics II	4
	or	
PHY 206	General Physics with Calculus II	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4

Subtotal: 16

Third (Junior) Year - Fall Semester

BIO	Category requirement (I, II or III)	4
	General Elective	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4

Subtotal: 12

Third (Junior) Year - Spring Semester

BIO	Category requirement (I, II or III)	4
BIO	Biology elective	4
	General Elective	4
	Humanities/Fine Arts (Bacc. Exp.)	3

Subtotal: 15

Fourth (Senior) Year - Fall Semester

BIO	Category requirement (I, II or III)	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4
	General Elective	4
	General Elective	4

Subtotal: 16

Fourth (Senior) Year - Spring Semester

BIO 410	Senior Seminar	1
BIO 411	Biology Outcomes Capstone	
BIO	Biology elective	4
	General Elective	4
	General Elective	4
	Humanities/Fine Arts or Social Science (Bacc. Exp.)	4

Subtotal: 17

Note: The math requirement and natural science component of the Baccalaureate Experience are fulfilled by courses in the above sequence (i.e., BIO 199, CHE 152, MAT 260).