

Biotechnology B.S. (Bachelor of Science)

FRESHMAN YEAR

Fall Semester

15 Credits

ENGL 1100	Writing I.....(3)
CHEM 1300	General Chemistry I*.....(4)
BIOL 1800	General Biology I.....(4)
MATH 1300	Precalculus.....(4)

* General Chemistry requires a 'passing' score on Advanced Algebra and Functions Accuplacer placement exam OR successful completion of MATH 0500 (Algebraic Preparation) prior to enrollment. To continue as a Biology major, students must earn a grade of 2.0 or higher in General Biology I and General Chemistry I.

Spring Semester

14 Credits

ENGL 1200	Writing II.....(3)
CHEM 1400	General Chemistry II.....(4)
BIOL 1900	General Biology II.....(4)
	LA&S Elective.....(3)

JUNIOR YEAR

Fall Semester

17 Credits

BIOL 2250	Cell Biology.....(4)
PHYS 2300	General Physics I.....(4)
	LA&S Elective.....(3)
	Free Elective.....(3)
	Free Elective.....(3)

Spring Semester

13-14 Credits

BIOL ≥2000	Biology Elective.....(3-4)
PHYS 2400	General Physics II.....(4)
	Free Elective.....(3)
	Free Elective.....(3)

LA&S Elective List

- 1 AOM attribute (Art or Music)
- 1 ART attribute (the Arts)
- 1 CTW attribute (Citizenship & The World)
- 3 credits HAF attribute (Health/Fitness)
- 1 HIST subject (History)
- 1 HMN attribute (Human Behavior)
- 1 LAB attribute (Lab Science)

Advanced LA&S Options Area

The four required courses in Chemistry fulfill the 12-credit Option B of the LA&S Advanced Curriculum Requirement.

An Independent Study or Internship may count as 1 elective but is not required.

Completion of 120 credits required for graduation.

SOPHOMORE YEAR

Fall Semester

17 Credits

BIOL 2300** OR 2800	Ecology (OR Genetics).....(4)
CHEM 2000	Organic Chemistry I.....(4)
MATH ≥ 1300	Math Elective.....(3)
	LA&S Elective.....(3)
	LA&S Elective.....(3)

** BIOL 2300 Ecology is only taught in the fall semester.

Spring Semester

17 Credits

BIOL 2800	Genetics.....(4)
CHEM 2100	Organic Chemistry II.....(4)
	LA&S Elective.....(3)
	LA&S Elective.....(3)
	LA&S Elective.....(3)

SENIOR YEAR

Fall Semester

15-17 Credits

BIOL ≥2000	Biology Elective.....(3-4)
BIOL ≥2000	Biology Elective.....(3-4)
	Free Elective.....(3)
	Free Elective.....(3)
	Free Elective.....(3)

Spring Semester

13-16 Credits

BIOL ≥3000	Biology Elective (Capstone).....(4)
BIOL ≥2000	Biology Elective OR
	Independent Study OR Internship.....(3-6)
	Free Elective.....(3)
	Free Elective.....(3)

Three of the five Biology electives must be selected from the following courses: BIOL 2150 General Microbiology, BIOL 3060 Biochemical Techniques, BIOL 4500 Molecular Biology, BIOL 3350 Cell Culture Techniques, or BIOL 4810 Immunology.

Global Diversity Area

Two courses must meet the Global Diversity (GD) requirement. The GD courses may also satisfy other LAS requirements at the same time.

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