

# Suggested Four-Year Plan of Study BIOLOGY/CHEMISTRY



## Health Sciences 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

13 Credits

BIOL 3030	Biochemistry I.....(3)
BIOL 2004	Human Anatomy and Physiology I.....(4)
	LA&S Elective.....(3)
	Free Elective.....(3)

#### Spring Semester

14-15 Credits

BIOL ≥2000	Biology Elective.....(3-4)
PHYS 2400	General Physics I.....(4)
BIOL 2005	Human Anatomy and Physiology II.....(4)
	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 LIT attribute (Literature)

#### 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.

Introduction to Psychological Science is strongly recommended as the HMN elective. Those who plan to take MCAT are also strongly advised to take Introduction to Sociology as an elective.

### 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.

\*\*\*Those who are considering medical, dental, and pharmacy schools will have to take Calculus I and Applied Statistics.

#### Spring Semester

14 Credits

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

### SENIOR YEAR

#### Fall Semester

16 Credits

PHYS 2400	General Physics II.....(4)
	LA&S Elective.....(3)
	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)

#### 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.

#### Biology Electives

A total of 3 biology electives are required. One must be designated a capstone course. Developmental Biology (BIOL 3550) and a course in Microbiology are strongly recommended as biology electives.

Completion of 120 credits required for graduation.

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