

# Suggested Four-Year Plan of Study BIOLOGY/CHEMISTRY



## Chemistry B.S. (Bachelor of Science)

### FRESHMAN YEAR

#### Fall Semester

15 Credits

CHEM 1300	General Chemistry I*	(4)
ENGL 1100	Writing I	(3)
MATH 1300	Precalculus	(4)
BIOL 1800	General Biology I	(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 Chemistry major, students must earn a grade of 2.0 or higher in General Chemistry I and II.

#### Spring Semester

14 Credits

CHEM 1400	General Chemistry II	(4)
ENGL 1200	Writing II	(3)
MATH 2300	Calculus I	(4)
	LA&S Elective	(3)

### JUNIOR YEAR

#### Fall Semester

16 Credits

CHEM 3600 OR	Descriptive Inorganic Chemistry OR	
CHEM 3030	Biochemistry I	(3)
PHYS 2700 OR	Calculus-Based Physics II OR	
PHYS 2400	General Physics II	(4)
	LA&S Elective	(3)
	LA&S Elective	(3)
	Free Elective	(3)

#### Spring Semester

16 Credits

CHEM 3200	Physical Chemistry I	(4)
CHEM 4750 OR	Chemistry Seminar OR	
CHEM ≥3000	Chemistry Elective	(3)
	LA&S Elective	(3)
	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 LIT attribute (Literature)

#### Advanced LA&S Options Area

Review the three options with your advisor and submit your decision to the Registrar's Office when you reach Junior status.

#### Free Electives

It is recommended that students consider their career goals in selecting their free electives by seeking advice from their academic advisor and/or the pre-health advisor. Examples of recommended electives are courses in biology, mathematics, physics, geophysical sciences, computer science and/or industrial technology.

### SOPHOMORE YEAR

#### Fall Semester

14 Credits

CHEM 2000	Organic Chemistry I	(4)
MATH 2400	Calculus II	(4)
	LA&S Elective	(3)
	LA&S Elective	(3)

#### Spring Semester

15 Credits

CHEM 2400	General Analytical Chemistry	(4)
CHEM 2100	Organic Chemistry II	(4)
PHYS 2600 OR	Calculus-Based Physics I OR	
PHYS 2300	General Physics I	(4)
	LA&S Elective	(3)

### SENIOR YEAR

#### Fall Semester

15-16 Credits

CHEM 3600 OR	Descriptive Inorganic Chemistry OR	
CHEM 3030	Biochemistry I	(3)
CHEM ≥3000	Chemistry Elective	(3-4)
	Free Elective	(3)
	Free Elective	(3)
	Free Elective	(3)

#### Spring Semester

12-13 Credits

CHEM 4750 OR	Chemistry Seminar OR	
CHEM ≥3000	Chemistry Elective	(3-4)
	Free Elective	(3)
	Free Elective	(3)
	Free Elective	(3)

#### CHEM Electives

Chemistry Seminar fulfills the Capstone requirement, and 2 additional CHEM electives (≥ 3000) are required.

#### 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.

Completion of 120 credits required for graduation.

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