

Biology Major (48 credit hours)

2018-2019

Major Requirements:

(BIOL 2230, 3800, and 4700 do not apply toward the major.)

(Additional CHEM courses, especially CHEM 2220 and 3100, are strongly recommended.)

28 credit hours from:

- BIOL 2210, Foundations of Modern Biology I, 4 credit hours
- BIOL 2220, Foundations of Modern Biology II, 4 credit hours
- BIOL 2240, Cell Biology, 4 credit hours
- BIOL 3030, Microbiology, 4 credit hours
- BIOL 3510, Bioethics or BIOL 3920, Integration of Faith and Science, 2 credit hours
- BIOL 4050, Genetics, 4 credit hours
- BIOL 4070, Ecology and Evolutionary Biology, 2 credit hours
- BIOL 4910, Science Seminar I, 1 credit hour
- BIOL 4920, Science Seminar II, 1 credit hour

8 credit hours from additional upper-division BIOL courses:

(Completion of both BIOL 2410 and 2420 will substitute for 4 credit hours of upper-division biology)

- CHEM 2110, General Chemistry I, 4 credit hours
- CHEM 2120, General Chemistry II, 4 credit hours
- CHEM 2210, Organic Chemistry I, 4 credit hours

At least one course from: CHEM 2120, 2220, 3100

Proposed course sequence:

Freshman: BIOL 2210, CHEM 2110; BIOL 2220, CHEM 2120
Sophomore: BIOL 3030, CHEM 2210; BIOL 2240
Junior: BIOL 4050, BIOL 3XXX; BIOL 4070, BIOL 3XXX
Senior: BIOL 4910, BIOL 4XXX; BIOL 4920, BIOL 4XXX

Questions? Please contact the [Department of Biology](#).

Biology Major Suggested Course Sequence

2018-2019

SEMESTER 1		SEMESTER 2	
BIOL 2210	4 Hours	BIOL 2220	4 Hours
CHEM 2110	4 Hours	CHEM 2120	4 Hours
ENGL 1100/ENGL 1110	3-4 Hours	ENGL 1120	3 Hours
LART 1050	1 Hour	LART 1100	2 Hours
Foreign Language	4 Hours	Quantitative Ways of Knowing	3 Hours

SEMESTER 3		SEMESTER 4	
BIOL 3030	4 Hours	BIOL 2240	4 Hours
CHEM 2210	4 Hours	Personal Wellness	2-Hours
Global/Intercultural	3 Hours	Social & Behavioral Ways of Knowing	3 Hours
BIBL 2000	3 Hours	Elective	3 Hours

SEMESTER 5		SEMESTER 6	
BIOL 4050	4 Hours	BIOL 4070	2 Hours
BIOL 3XXX	4 Hours	BIOL 3XXX	4 Hours
Christian Ways of Knowing	3 Hours	Civic Ways of Knowing	3 Hours
Aesthetic	3 Hours	Elective	3 Hours

SEMESTER 7		SEMESTER 8	
BIOL 4910	1 Hour	BIOL 4920	1 Hour
BIOL 4XXX	4 Hours	BIOL 4XXX	4 Hours
Elective	3 Hours	Elective	3 Hours
Elective	3 Hours	Elective	3 Hours

Through the integration of faith and learning, the Department of Biology strives to give students a breadth of foundational knowledge that will serve them, whether they plan to teach or to continue their own education in medical or dental school or other graduate degree programs. The biology department is dedicated to providing students with a well-rounded background in the field of biology. Students can concentrate their studies in various areas of biology by taking courses such as anatomy, physiology, histology, mammalian physiology, molecular biology, plant science, and environmental ecology.