



BIOLOGY, BIOTECHNOLOGY CONCENTRATION

Effective Fall 2021

First Year (Fall)

BIOL 150	Intro to Biology I: Cells (4 cr) ^A
CHEM 150	Intro to Chemistry I (CST, 4 cr) ^B
ENGL 150	English Composition II ^A
FSEM	FSEM course (CSS?)
BIOL 101	Seminar for Entering Majors (1 cr) ^B

Second Year (Fall)

BIOL 240	Genetics (4 cr) ^A
CHEM 201	Organic Chemistry I (4 cr) ^B
CSCI 243	Database Development ^B
Elective	101-level language or elective ^A
CHH	Human Heritage core course ^A

Third Year (Fall)

BIOL 410	Biotechniques (4 cr) ^C
PHYS 131	General Physics I (4 cr) ^B
CSS	Self & Society core course ^A
BIOL 360	Biochemistry ^B
BIOL 302	Applied Statistics in Biology (1 cr) ^A

Fourth Year (Fall)

UL elective	BIOL Upper-level elective ^A
UL elective	BIOL Upper-level elective ^A
CCA	Creative Arts core course ^A
CHH	Human Heritage core course ^A
UL elective	Upper-level elective ^A

This is a sample 4-year plan to complete the major. We believe that this represents an accurate depiction of the requirements, but there are other pathways to degree completion. We strongly recommend that you meet with your academic advisor(s) regularly to review your requirements and progress toward graduation.

Anticipated course frequency: ^A every semester, ^B every year, ^C every other year

Last updated 10/18/21

First Year (Spring)

BIOL 160	Intro to Biology II: Organisms (4 cr) ^B
CHEM 152	Intro to Chemistry II (CSTL, 4 cr) ^B
MATH 232	Statistics (CMA)
PHED 215	Lifetime Wellness (CHW) ^A
Elective	E.g., Animal Care Internship or Research or PHED or Medical Terminology (1 cr.)

Second Year (Spring)

BIOL 320	Microbiology (4 cr) ^B
CHEM 202	Organic Chemistry II (4 cr) ^B
CLA	102-level language ^A
CCA	Creative Arts core course ^A
UL elective	Upper-level elective (1 cr) ^A

Third Year (Spring)

BIOL 480	Cell & Molecular Biology (4 cr) ^B
PHYS 132	General Physics II (4 cr) ^B
BIOL 420	Bioinformatics ^C
BIOL 390	Biometry ^C
UL elective	Upper-level elective (1 cr) ^A

Fourth Year (Spring)

CAP	Capstone core course ^A
UL elective	Upper-level elective ^A
UL elective	Upper-level elective ^A
Elective	Elective ^A
Elective	Elective ^A

CORE CURRICULUM	code
Tier I Reading, Thinking, Writing	CWR
Tier I Quantitative Reasoning	CMA
Tier I Language Arts	CLA
Tier II Creative Arts	CCA
Tier II Human Heritage	CHH
Tier II Self & Society	CSS
Tier II Science & Technology	CSTL, CST
Tier III Core Capstone	CAP

ALL COURSES 3 credits unless noted (#)
UL = upper-level (300-level or above)