

Bachelor of Science in Biological Science – Concentration in Cell and Molecular Biology (Categories III & IV)

Course	Course Title	Units	
FALL (Yr 1, Semester 1)			
B4/Prereq	MATH 115	Algebra	3
	MATH 15	College Algebra Workshop	1
E	GS 101A	Foundations of Success I	1
A1	COMM 100	Communication	3
C1		Student choice	3
D1/Code 1		Student choice	3
		TOTAL:	14

Course	Course Title		Units
SPRING (Yr 1, Semester 2)			
B2/LD Major	BIOL 140A	Principles of Cell & Mol. Biology	5
B4/Prereq	MATH 120	Precalculus*	3
E	GS 101B	Foundations of Success II	1
C2		Student choice	3
A2	ENGL 101	College Writing	3
		TOTAL:	15

* May require concurrent enrollment in MATH 121 - Precalculus Fundamentals

FALL (Yr 2, Semester 3)			
LD Major	BIOL 140B	Principles of Organismal Biology	5
B1/LD Major	CHEM 111	General Chemistry I	5
UD Major	BIOL 310	Genetic Analysis I	4
A3	PHIL 100	Workshop in Critical Thinking	3
TOTAL:			17

SPRING (Yr 2, Semester 4)			
LD Major	CHEM 112	General Chemistry II	5
UD Major	BIOL 410	Genetic Analysis II	3
LD Major	MATH 130	Calculus	4
Writing II/WID	ENGL 102	Accelerated College Writing	3
D2		Student choice	3
TOTAL:			18

FALL (Yr 3, Semester 5)			
B3/LD Major	PHYS 125	Principles of Physics I	4
UD Major	CHEM 331	Organic Chemistry I	5
UD Major	BIOL 320	Evolutionary Biology	3
UD Major	BIOL 424	Bioinformatics	3
D3		Student choice	3
TOTAL:			18

SPRING (Yr 3, Semester 6)			
LD Major	PHYS 126	Principles of Physics II	4
UD Major	CHEM 332	Organic Chemistry II	5
UD Major	BIOL 428	Genomics	3
UD Major Elec		Student choice	3-5
TOTAL:			15-17

FALL (Yr 4, Semester 7)			
UD Major	CHEM 441	Biochemistry I	4
UD Major Elec		Student choice	3-5
B6		Student choice	3
C3		Student choice	3
E		Student choice	1
TOTAL:			14-16

SPRING (Yr 4, Semester 8)			
UD Major	BIOL 426	Advanced Mol. & Cell Biology	3
UD Major	BIOL 427	Mol and Cell Biology Lab	3
C4		Student choice	3
D4		Student choice	3
Code 2		Student choice	3
TOTAL:			15

TOTAL UNITS TO DEGREE: 120

For a list of suggested GE courses for Biology majors, please visit: <http://www.csueastbay.edu/biology/advising/ge-courses.html>

For a list of Biology Faculty Advisors, please visit: <http://www.csueastbay.edu/biology/advising/faculty-advisors.html>