

Bachelor of Science in Biological Science – Concentration in Cell and Molecular Biology (Category I)

Course	Course Title	Units
FALL (Yr 1, Semester 1)		
B2/LD Major	BIOL 140A	Principles of Cell & Mol. Biology 5
LD Major	MATH 130	Calculus 4
E	GS 101A	Foundations of Success I 1
A2	ENGL 101	College Writing (English Composition) 3
A1	COMM 100	Communication 3
	TOTAL:	16

Course	Course Title	Units
SPRING (Yr 1, Semester 2)		
LD Major	BIOI 140B	Principles of Organismal Biology 5
A3	PHIL 100	Workshop in Critical Thinking 3
E	GS 101B	Foundations of Success II 1
C1		Student choice 3
Writing II/WID	ENGL 102	Accelerated College Writing 3
	TOTAL:	15

FALL (Yr 2, Semester 3)		
B1/LD Major	CHEM 111	General Chemistry I 5
UD Major	BIOL 310	Genetic Analysis I 4
B3/LD Major	PHYS 125	Principles of Physics I 4
C2		Student choice 3
	TOTAL:	16

SPRING (Yr 2, Semester 4)		
LD Major	CHEM 112	General Chemistry II 5
UD Major	BIOL 410	Genetic Analysis II 3
LD Major	PHYS 126	Principles of Physics II 4
D1/Code 1		Student choice 3
	TOTAL:	15

FALL (Yr 3, Semester 5)		
UD Major	CHEM 331	Organic Chemistry I 5
UD Major	BIOL 320	Evolutionary Biology 3
UD Major	BIOL 424	Bioinformatics 3
D2		Student choice 3
E		Student choice 1
	TOTAL:	15

SPRING (Yr 3, Semester 6)		
UD Major	CHEM 332	Organic Chemistry II 5
UD Major	BIOL 428	Genomics 3
UD Major Elec		Student choice 3-5
D3		Student choice 3
	TOTAL:	14-16

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
	TOTAL:	13-14

SPRING (Yr 4, Semester 8)		
UD Major	BIOL 426	Advanced Molecular & Cell Biology 3
UD Major	BIOL 427	Molecular 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>