B.A. in BIOLOGICAL SCIENCES (AY 2024-2025) CONCENTRATION IN BIOLOGY EDUCATION (74-75 units)

CORE COURSE REQUIREMENTS (39 units)

LOWER DIVISION BIOLOGY	UNITS	OFFERED	PREREQUISITES					
BIOL 140A Principles of Cell & Molecular Biology	5	Fall & Spring	N/A					
BIOL 140B Principles of Organismal Biology	5	Fall & Spring	BIOL 140A*					
subtotal	10							
LOWER DIVISION PHYSICAL SCIENCE & MATH	UNITS	OFFERED	PREREQUISITES					
CHEM 111 & 111L General Chemistry I (Lec & Lab)	5	Fall & Spring	MATH 120(25) or 130 (co-)					
CHEM 112 & 112L General Chemistry II (Lec & Lab)	5	Fall & Spring	CHEM 111* & 111L*					
GEOL 100 Earth System Sciences	4	Fall & Spring	N/A					
MATH 120 Precalculus (MATH 125 acceptable alt)	3	Fall & Spring	MATH 115 (C- or better)					
PHYS 115 Elementary Physics	3	Fall & Spring	N/A					
subtotal	20							
UPPER DIVISION BIOLOGY	UNITS	OFFERED	PREREQUISITES					
BIOL 310 Genetic Analysis I	4	Fall & Spring	BIOL 140B*					
BIOL 320 Evolutionary Biology	3	Fall & Spring	BIOL 310*					
subtotal	7							

CONCENTRATION COURSE REQUIREMENTS (39 units)

UNITS	OFFERED	PREREQUISITES
5	Fall	BIOL 140B*, CHEM 112 (co-)
4	Fall & Spring	BIOL 140B*
4	Fall & Spring	BIOL 140B*, CHEM 112*
13		
UNITS	OFFERED	PREREQUISITES
5	Fall	CHEM 112*
3	Fall & Spring	GE Area B4
3	Fall & Spring	GE Areas A1, A2, A3, B4
1	Fall & Spring	Departmental Consent
3	Fall & Spring	N/A
15		
UNITS	OFFERED	PREREQUISITES
3	Spring	N/A
3	Spring	BIOL 310*
3	Spring	BIOL 330*
4	Spring	BIOL 350*
3	Fall	BIOL 370*
3	Fall & Spring	CHEM 230* or 332*
3-4		
	5 4 4 13 UNITS 5 3 3 1 1 3 1 5 UNITS 3 3 3 3 4 4 3 3 3 4 3 3	5Fall4Fall & Spring4Fall & Spring130FFERED5Fall3Fall & Spring3Fall & Spring1Fall & Spring3Fall & Spring1Fall & Spring3Fall & Spring3Spring3Spring3Spring3Spring3Spring3Spring3Spring3Spring3Fall3Fall3Fall

ELECTIVES (Select 6 units from the list below)

subtotal 6

Choose an additional 6 units of upper division BIOL (300 & 400-level courses) as electives.

Note: BIOL 490 Independent Study, BIOL 493 Directed Research in Biology, BIOL 498 Internship or a combination of one or two of these courses may be used for a maximum of 2 total units of elective credit.

* Must pass this prerequisite course with a C- or better to move onto the next course.

**Capstone course for the Microbiology and Biomedical Sciences concentration

†Recommended for students interested in applying for CLS programs

• Freshman/Sophomore Biology Ed Concentration & GE Advisor: Ms. Joanna Cady-Aguilar (joanna.cadyaguilar@csueastbay.edu)

• Junior/SeniorBiology Ed Concentration & GE Advisors: Mr. Avel Perez or Dr. Kelley Gove (cscistudentcenter@csueastbay.edu)

• Biology Education Concentration Career & Course Sub Advisor: Dr. Erica Wildy (erica.wildy@csueastbay.edu)

DEGREE: B.A. in Biological Sciences (AY 2024-25) **CONCENTRATION:** Biology Education

Graduation Semester:

Name (Last, First): _____

CORE REQUIREMENTS							
Course		Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification	
CHEM 111			3				
CHEM 111L			2				
CHEM 112			3				
CHEM 112L			2				
PHYS 115			4				
MATH 120			4				
BIOL 140A			5				
BIOL 140B			5				
BIOL 310			4				
BIOL 320			3				

CONCENTRATION REQUIREMENTS (# = chosen capstone course)

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification
BIOL 330			5			
BIOL 350			4			
BIOL 370			4			
BIOL 469			4			
CHEM 230			5			
PHIL 371			3			
SCI 308			1			
STAT 303			3			
TED 301			4			
#						

ELECTIVES (At least 6 units of upper division major biology courses)

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification
Total Units for Concentration: (74-75 min.) Note: A C- or better required in all courses that serve as a prerequisite.						

Net ID: _____