

**B.S. in BIOLOGICAL SCIENCES (AY 2024-2025)
CONCENTRATION IN FORENSIC SCIENCE (78 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 <i>Gen Chem I (Lec & Lab)</i>	5	Fall & Spring	MATH 120(25) or 130 (co-)
CHEM 112 & 112L <i>General Chemistry II (Lec & Lab)</i>	5	Fall & Spring	CHEM 111* & 111L*
MATH 130 <i>Calculus I</i>	4	Fall & Spring	MATH 120 or MATH 125
PHYS 125 <i>Principles of Physics I</i>	4	Fall & Spring	MATH 120 or MATH 125
PHYS 126 <i>Principles of Physics II</i>	4	Fall & Spring	PHYS 125
subtotal	22		
UPPER DIVISION BIOLOGY	UNITS	OFFERED	PREREQUISITES
BIOL 310 <i>Genetic Analysis I</i>	4	Fall & Spring	BIOL 140B*
BIOL 320 <i>Evolutionary Biology</i>	3	Fall & Spring	BIOL 310*
subtotal	7		

CONCENTRATION COURSE REQUIREMENTS (39 units)

UPPER DIVISION BIOLOGY	UNITS	OFFERED	PREREQUISITES
BIOL 415 <i>PCR, Sequencing, & Fragment Analysis</i>	3	Fall	BIOL 310*
BIOL 426 <i>Advanced Cell & Molecular Biology**</i>	3	Spring	BIOL 310*
subtotal	6		
PHYSICAL SCIENCE & CRIMINAL JUSTICE	UNITS	OFFERED	PREREQUISITES
CHEM 220 <i>Quantitative Analysis</i>	4	Fall & Spring	CHEM 112*
CHEM 320 <i>Bioanalytical & Forensic Instrumentation</i>	3	Spring	CHEM 230* or 332*
CHEM 331 & 332 <i>Organic Chemistry I & II</i>	10	Fall & Spring	CHEM 112* & 112L*; 331*
CRJ 220 <i>Basic Criminal Investigation</i>	3	Fall & Spring	N/A
CRJ 340 <i>Advanced Criminal Investigation</i>	3	Fall & Spring	CRJ 220
CRJ 350 <i>Criminal Identification</i>	3	Intermittently	N/A
CRJ 380 <i>Survey of Forensic Science</i>	3	Fall & Spring	N/A
subtotal	29		N/A
ELECTIVES (Select 4 units from the list below)	UNITS	OFFERED	PREREQUISITES
BIOL 270 <i>Human Anatomy & Physiology I</i>	4	Fall & Spring	see catalog
BIOL 271 <i>Human Anatomy & Physiology II</i>	4	Fall & Spring	BIOL 271*
BIOL 424 <i>Bioinformatics</i>	3	Fall	BIOL 310*
CHEM 441 <i>Biochemistry I</i>	4	Fall & Spring	CHEM 332*
CRJ 415 <i>Internship in Criminal Justice</i>	3	Spring	N/A
STAT 303 <i>Statistical Methods in Biology</i>	3	Fall & Spring	completion of GE Area B4
subtotal	4		
Note: BIOL 490 Independent Study, BIOL 493 Directed Research in Biology, BIOL 498 Internship or a combination of 2 or more of these courses may be used for a maximum of 3 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 Physiology concentration.

- **Freshman/Sophomore Forensic Sci Concentration & GE Advisor:** Ms. Joanna Cady-Aguilar (joanna.cadyaguilar@csueastbay.edu)
- **Junior/Senior Forensic Sci Concentration & GE Advisors:** Mr. Avel Perez or Dr. Kelley Gove (cscistudentcenter@csueastbay.edu)
- **Forensic Sci Concentration Career & Course Sub Advisor:** Dr. Chris Baysdorfer, (chris.baysdorfer@csueastbay.edu)

DEGREE: B.S. in Biological Sciences (AY 2024-25)

CONCENTRATION: Forensic Science

Graduation Semester: _____

Name (Last, First): _____

Net ID: _____

CORE REQUIREMENTS

Course	Grade	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 125	4	.....	.....	.....
PHYS 126	4	.....	.....	.....
MATH 130	4	.....	.....	.....
BIOL 140A	5	.....	.....	.....
BIOL 140B	5	.....	.....	.....
BIOL 310	4	.....	.....	.....
BIOL 320	3	.....	.....	.....

CONCENTRATION REQUIREMENTS

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification
CHEM 331	5	.....	.....	.....
CHEM 332	5	.....	.....	.....
CHEM 220	4	.....	.....	.....
CHEM 320	3	.....	.....	.....
BIOL 415	3	.....	.....	.....
BIOL 426	3	.....	.....	.....
CRJ 220	3	.....	.....	.....
CRJ 340	3	.....	.....	.....
CRJ 350	3	.....	.....	.....
CRJ 380	3	.....	.....	.....

ELECTIVES (At least 4 units from the courses below)

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification
BIOL 270	4
BIOL 271	4
BIOL 424	3
CHEM 441	4
CRJ 415	3
STAT 303	3
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Total Units for Concentration (78 min.): _____

Note: A C- or better required in all prerequisite courses.