

**B.S. in BIOLOGICAL SCIENCE
CONCENTRATION IN FORENSIC SCIENCE (AY 2020-2021)**

Core requirements (39 units)

| <i>Lower Division BIOL Courses</i> | <i>Units</i> |
|--|--------------|
| BIOL 140A Principles of Cell & Molecular Biology | 5 |
| BIOL 140B Principles of Organismal Biology | 5 |
| subtotal | 10 |

| <i>Lower Division Physical Science and Math Courses</i> | <i>Units</i> |
|---|--------------|
| CHEM 111, 112 General Chemistry I & II (5, 5) | 10 |
| MATH 130 Calculus I | 4 |
| PHYS 125, 126 Principles of Physics I & II (4, 4) | 8 |
| subtotal | 22 |

| <i>Upper Division BIOL Courses</i> | <i>Units</i> |
|------------------------------------|--------------|
| BIOL 310 Genetic Analysis I | 4 |
| BIOL 320 Evolutionary Biology | 3 |
| subtotal | 7 |

Concentration Requirements (36 units)

| <i>Upper Division BIOL Courses</i> | <i>Units</i> |
|---|--------------|
| BIOL 415 PCR, Sequencing, and Fragment Analysis | 3 |
| BIOL 426 Advanced Cell & Molecular Biology* | 3 |
| subtotal | 6 |

| <i>Physical Science and Criminal Justice Courses</i> | <i>Units</i> |
|--|--------------|
| CHEM 220 Quantitative Analysis | 4 |
| CHEM 320 Bioanalytical and Forensic Instrumentation | 3 |
| CHEM 331, 332 Organic Chemistry I & II (5, 5) | 10 |
| CRJ 340 Advanced Criminal Investigation | 3 |
| CRJ 350 Criminal Identification | 3 |
| CRJ 380 Survey of Forensic Science | 3 |
| subtotal | 26 |

Electives (select at least ONE course from the list of courses below)

| <u>Course</u> | <u>Units</u> | <u>Offered</u> | <u>Prerequisites</u> |
|-------------------------|--------------|----------------|----------------------|
| BIOL 270 Human A & P I | 4 | Fall & Spring | – |
| BIOL 271 Human A & P II | 4 | Fall & Spring | BIOL 270 |
| BIOL 424 Bioinformatics | 3 | Fall | BIOL 310 |
| CHEM 441 Biochemistry I | 4 | Fall & Spring | CHEM 332 |

*Capstone course for the *Forensic Science* concentration

FOR GENERAL MAJOR ADVISING: <http://www.csueastbay.edu/csci-ssc/index.html>, cscistudentcenter@csueastbay.edu

FOR FORENSIC SCIENCE-SPECIFIC ADVISING: Dr. Chris Baysdorfer, chris.baysdorfer@csueastbay.edu

DEGREE: B.S. in Biological Sciences (AY 2020-21)

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 | Assist.org Verification |
|-----------|-------|-----------------|-------|--|--------------------------------|----------------------------|
| CHEM 111 | | | 5 | ..... | ..... | ..... |
| CHEM 112 | | | 5 | ..... | ..... | ..... |
| PHYS 125 | | | 4 | ..... | ..... | ..... |
| PHYS 126 | | | 4 | ..... | ..... | ..... |
| MATH 130 | | | 4 | ..... | ..... | ..... |
| BIOL 140A | | | 5 | ..... | ..... | ..... |
| BIOL 140B | | | 5 | ..... | ..... | ..... |
| BIOL 310 | | | 4 | ..... | ..... | ..... |
| BIOL 320 | | | 3 | ..... | ..... | ..... |

CONCENTRATION REQUIREMENTS

| | | | | | | |
|----------|-------|-------|---|-------|-------|-------|
| CHEM 220 | ..... | ..... | 4 | ..... | ..... | ..... |
| CHEM 320 | ..... | ..... | 3 | ..... | ..... | ..... |
| CHEM 331 | ..... | ..... | 5 | ..... | ..... | ..... |
| CHEM 332 | ..... | ..... | 5 | ..... | ..... | ..... |
| CRJ 340 | ..... | ..... | 3 | ..... | ..... | ..... |
| CRJ 350 | ..... | ..... | 3 | ..... | ..... | ..... |
| CRJ 380 | ..... | ..... | 3 | ..... | ..... | ..... |
| BIOL 415 | ..... | ..... | 3 | ..... | ..... | ..... |
| BIOL 426 | ..... | ..... | 3 | ..... | ..... | ..... |

ELECTIVES (at least 4 units from the courses below)

| | | | | | | |
|----------|-------|-------|---|-------|-------|-------|
| CHEM 441 | ..... | ..... | 4 | ..... | ..... | ..... |
| BIOL 270 | ..... | ..... | 4 | ..... | ..... | ..... |
| BIOL 271 | ..... | ..... | 4 | ..... | ..... | ..... |
| BIOL 424 | ..... | ..... | 3 | ..... | ..... | ..... |

Total Units for Concentration: (74-75 min.) _____

Note: A C- or better required in all courses that serve as a prerequisite.

Advisor Signature: _____

Date: _____

Dept. Chair Signature: _____

Date: _____