

MINOR IN BIOLOGICAL SCIENCE (AY 2022-2023; 24 units)

Name (Last, First): _____ Net ID: _____

Graduation Semester: _____

CORE REQUIREMENTS (14 units)

| Lower Division Biology Courses | Offered | Units |
|--|-----------------|--------------|
| BIOL 140A Principles of Cell & Molecular Biology | Fall & Spring | 5 |
| BIOL 140B Principles of Organismal Biology | Fall & Spring | 5 |
| | subtotal | 10 |
| Upper Division Biology Courses | Offered | Units |
| BIOL 310 Genetic Analysis I | Fall & Spring | 4 |
| | subtotal | 4 |

ELECTIVE REQUIREMENTS (10 units)

Electives Select three courses worth a minimum of 10 units (in total) and for which you have satisfied the prerequisites. Five units of courses must be upper division. Courses for which students do not have the prerequisites or that are listed as "Not for Major Credit" (e.g., BIOL 333, 334 and 335) will not apply toward this minor. Courses eligible to serve as electives for the minor include but are not limited to those listed below.

| Elective Courses | Units | Offered | Prerequisites |
|---|--------------|-------------------------|----------------------|
| BIOL 230 <i>Introduction to Clinical Microbiology</i> | 4 | Fall & Spring | see catalog |
| BIOL 232 <i>Environmental Health Microbiology</i> | 4 | Intermittently | N/A |
| 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 312 <i>Women in Science</i> | 4 | Intermittently | see catalog |
| BIOL 315 <i>Marine Biology</i> | 3 | Intermittently | BIOL 310 |
| BIOL 330 <i>General Microbiology</i> | 5 | Fall | BIOL 140B |
| BIOL 350 <i>Ecology</i> | 4 | Fall & Spring | BIOL 140B |
| BIOL 368 <i>Fungi of California</i> | 3 | Fall (every other yr) | BIOL 140B |
| BIOL 410 <i>Genetic Analysis II</i> | 3 | Spring | BIOL 310 |
| BIOL 415 <i>PCR and Sequencing</i> | 3 | Fall | BIOL 310 |
| BIOL 420 <i>CMB Undergraduate Seminar</i> | 2 | Spring | BIOL 310 |
| BIOL 424 <i>Bioinformatics</i> | 3 | Fall | BIOL 310 |
| BIOL 426 <i>Advanced Molecular and Cell Biology*</i> | 3 | Spring | BIOL 310 |
| BIOL 427 <i>Molecular and Cell Biology Lab</i> | 3 | Spring | BIOL 310 |
| BIOL 432 <i>Microbe-Host Interactions</i> | 3 | Fall | BIOL 140B |
| BIOL 440 <i>Molecular Virology</i> | 3 | Fall | BIOL 310 |
| BIOL 441 <i>Parasitology</i> | 3 | Fall | BIOL 310 |
| BIOL 445 <i>Immunology**</i> | 3 | Fall & Spring | BIOL 310 |
| BIOL 454 <i>Biology of Fungi</i> | 4 | Fall (every other yr) | BIOL 140B |
| BIOL 455 <i>Vertebrate Biology</i> | 4 | Intermittently | BIOL 140B |
| BIOL 458 <i>Animal Behavior</i> | 4 | Spring (every other yr) | BIOL 140B |
| BIOL 468 <i>Molecular Ecology</i> | 4 | Intermittently | BIOL 310 |

FOR BIOLOGY MINOR ADVISING: Avel Perez, avel.perez@csueastbay.edu, cscistudentcenter@csueastbay.edu or
 Dr. Erica Wildy, erica.wildy@csueastbay.edu

DEGREE: Minor in Biological Sciences (AY 2022-23)

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 |
|-----------|-------|-----------------|-------|--|--------------------------------|---------------------|
| BIOL 140A | | | 5 | ..... | ..... | ..... |
| BIOL 140B | | | 5 | ..... | ..... | ..... |
| BIOL 310 | | | 4 | ..... | ..... | ..... |

ELECTIVES (Three courses, 10 units minimum, of which 5 units must be upper division. BIOL 333, 334, and 335 may not be used).

| Course | Grade | Semester & Year | Units | College/University Where Equivalent Course Was Taken | Equivalent Course Number | TES Verification |
|----------|-------|-----------------|-------|--|--------------------------------|---------------------|
| BIOL 230 | | | 4 | ..... | ..... | ..... |
| BIOL 232 | | | 4 | ..... | ..... | ..... |
| BIOL 270 | | | 4 | ..... | ..... | ..... |
| BIOL 271 | | | 4 | ..... | ..... | ..... |
| BIOL 312 | | | 4 | ..... | ..... | ..... |
| BIOL 315 | | | 3 | ..... | ..... | ..... |
| BIOL 330 | | | 5 | ..... | ..... | ..... |
| BIOL 350 | | | 4 | ..... | ..... | ..... |
| BIOL 368 | | | 3 | ..... | ..... | ..... |
| BIOL 410 | | | 3 | ..... | ..... | ..... |
| BIOL 415 | | | 3 | ..... | ..... | ..... |
| BIOL 420 | | | 2 | ..... | ..... | ..... |
| BIOL 424 | | | 3 | ..... | ..... | ..... |
| BIOL 426 | | | 3 | ..... | ..... | ..... |
| BIOL 427 | | | 3 | ..... | ..... | ..... |
| BIOL 432 | | | 3 | ..... | ..... | ..... |
| BIOL 440 | | | 3 | ..... | ..... | ..... |
| BIOL 441 | | | 3 | ..... | ..... | ..... |
| BIOL 445 | | | 3 | ..... | ..... | ..... |
| BIOL 454 | | | 4 | ..... | ..... | ..... |
| BIOL 455 | | | 4 | ..... | ..... | ..... |
| BIOL 458 | | | 4 | ..... | ..... | ..... |
| BIOL 468 | | | 4 | ..... | ..... | ..... |
| | | | | | | |

Total units for minor: (24 min) _____

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