

MINOR IN BIOLOGICAL SCIENCES (AY 2024-2025; 24 units)

CORE REQUIREMENTS (14 units)

Lower Division Biology Courses	Units	Offered	Prerequisites
BIOL 140A <i>Principles of Cell & Molecular Biology</i>	5	Fall & Spring	N/A
BIOL 140B <i>Principles of Organismal Biology</i>	5	Fall & Spring	BIOL 140A*
subtotal	10		
Upper Division Biology Courses	Units	Offered	Prerequisites
BIOL 310 <i>Genetic Analysis I</i>	4	Fall & Spring	BIOL 140B*
subtotal	4		

ELECTIVE REQUIREMENTS (10 units)

Select at least three courses worth a minimum of 10 units (in total) and for which you have satisfied the prerequisites. There must be at least 5 units of upper division (i.e., 300-400 level) coursework. Courses that will NOT apply toward this minor include: courses that are at the 100-level, courses for which students do not have the prerequisites, and courses that are listed as "Not for Major Credit" or "Not Open for Biological Science majors" (e.g., BIOL 232, BIOL 333, 334 and 335). Courses eligible to serve as electives for the minor include but are not necessarily limited to those listed below.

Elective Courses	Units	Offered	Prerequisites
BIOL 230 <i>Introduction to Clinical Microbiology</i>	4	Fall & Spring	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 270
BIOL 315 <i>Marine Biology</i>	3	Intermittently	BIOL 310
BIOL 320 <i>Evolution</i>	3	Fall & Spring	BIOL 310
BIOL 321 <i>Readings in Biological Sciences</i>	1	Fall & Spring	BIOL 320 recommended
BIOL 368 <i>Fungi of California</i>	3	Fall (every other yr)	BIOL 140B
BIOL 372 <i>Microscopic Methods</i>	2	Intermittently	BIOL 140A
BIOL 410 <i>Genetic Analysis II</i>	3	Spring	BIOL 310
BIOL 415 <i>PCR and Sequencing</i>	3	Fall	BIOL 310 (co-)
BIOL 424 <i>Bioinformatics</i>	3	Fall	BIOL 310
BIOL 440 <i>Molecular Virology</i>	3	Fall	BIOL 310 (BIOL 445 rec)
BIOL 441 <i>Parasitology</i>	3	Fall	BIOL 310
BIOL 442 <i>Epidemiology</i>	3	TBD	BIOL 140B
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 456 <i>Ornithology</i>	4	Intermittently	BIOL 140B
BIOL 497 <i>Issues in Biological Sciences</i>	1	Intermittently	N/A

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

- **Biology Minor Advisors:** Mr. Avel Perez or Dr. Kelley Gove (cscistudentcenter@csueastbay.edu)
- **Biology Minor Career & Course Sub Advisor:** Dr. Ana Almeida (ana.almeida@csueastbay.edu) and Dr. Erica Wildy (erica.wildy@csueastbay.edu)

DEGREE: Minor in Biological Sciences

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. See front side for courses that cannot be used).*

Course	Grade	Semester & Year	Units	College/University Where Equivalent Course Was Taken	Equivalent Course Number	TES Verification
BIOL 230	4	.....	.....	.....
BIOL 270	4	.....	.....	.....
BIOL 271	4	.....	.....	.....
BIOL 315	3	.....	.....	.....
BIOL 320	3	.....	.....	.....
BIOL 321	1	.....	.....	.....
BIOL 368	3	.....	.....	.....
BIOL 372	2	.....	.....	.....
BIOL 410	3	.....	.....	.....
BIOL 415	3	.....	.....	.....
BIOL 424	3	.....	.....	.....
BIOL 440	3	.....	.....	.....
BIOL 441	3	.....	.....	.....
BIOL 445	3	.....	.....	.....
BIOL 454	4	.....	.....	.....
BIOL 456	4	.....	.....	.....
BIOL 497
.....
.....
.....

Total Units for Minor: (24 units min.) _____

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