	Degree: Biological Sci	ences, B.S.: Ecology and Evolutionary I	Biology Concentration 24-25	
Requirement Area	Course	Course Title	Prerequisites	Units
		First Semester (FALL)		
E	BIOL 130	Connecting to Biology		2
A1	COMM 100	Communication		3
B2/LD Major	BIOL 140A	Principles of Cell and Molecular Biology		5
			One from the following: Satisfactory score of 78 or higher on Mathematics Placement Exam, MATH 120 or MATH 125 (either	
B4/LD Major	MATH 130	Calculus I	course with grade C- or better).	4
C1		Arts		3
		(CDD)	Total:	17
	T	Second Semester (SPRING)		Г
A2		Written Communication		3
C2		Humanities		3
D1/CODE 1		Social Science/US Code		3
LD Major	BIOL 140B	Principles of Organismal Biology	BIOL 140A with grade C- or better.	5
LD IVIOJOI	Side 1105	Time pies or organisma stology	Total:	14
		Third Semester (FALL)	- Totali	
E		Lifelong Learning and Self-Development		1
A3	PHIL 100	Workshop in Critical Thinking		3
B1/LD Major	CHEM 111	General Chemistry I		3
B3/LD Major	CHEM 111L	General Chemistry Lab I		2
UD Major	BIOL 310	Genetic Analysis I	BIOL 140B with a grade of C- or better.	4
UD Major	STAT 303	Statistical Methods for Biology	Completion of GE area B4.	3
OD Wajoi	31A1 303	Statistical Methods for Biology	Total:	16
		Fourth Semester (SPRING)	10001	1 10
Second		Touristic (or time)		T
Composition	ENGL 200 or PHYS 230			3
B3/LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.	5
UD Major	BIOL 370	Animal Physiology	STAT 303.	4
UD Major/Elective 1				3
			Total:	15
	•	Fifth Semester (FALL)		
F		Ethnic Studies		3
UD Major	CHEM 230	Survey of Organic Chemistry	CHEM 112 with grade C- or better.	5
LD Major	PHYS 125	Principles of Physics I		4
UD Major	BIOL 350	Ecology	BIOL 140B, MATH 115, STAT 303.	4
			Total:	16
		Sixth Semester (SPRING)	I	
Add'l C1 or C2*		Arts or Humanities		3
UD Major	BIOL 320	Evolutionary Biology	BIOL 310.	3
UD Major	CHEM 340	Survey of Biochemistry	CHEM 230 or CHEM 332, both with grade C- or better.	3
LD Major	PHYS 126	Principles of Physics II	PHYS 125	4
UWR	F1113 120	US Code	F1113 123	3
OWN		03 code	Total:	16
		Seventh Semester (FALL)		10
D2/Code 2		Social Science		3
UD-B/Overlay		UD Science	Completion of GE areas A1, A2, A3 and B4.	3
UD Major/Elective 2		S Science	completion of the areas A1, A2, A3 allu B4.	3
UD Major/Elective 2				4
OD WIAJOI/ LIECTIVE 3			Total:	14
		Eighth Semester (SPRING)	iotai.	14
UD-C/Overlay		UD Arts or Humanities	Completion of GE areas A1, A2, A3 and B4.	3
UD-D/Overlay		UD Social Science	Completion of GE areas A1, A2, A3 and B4.  Completion of GE areas A1, A2, A3 and B4.	3
UD Major	BIOL 460	Undergrad Sem in Ecology and Evolution	BIOL 320 and BIOL 350.	2
UD Major/Capstone	BIOL 469	Conservation Biology	BIOL 350.	4
OD IVIGIOT/Capstolle	5.51 405	Conscivation biology	Total:	12
Total Units:				120
.otai Oiito.				120

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

Updated: 5/31/2024

	General Breadth and Graduation Requirement Checklist
	9 units): Communication in the English Language & Critical
	hinking (Must earn passing grade of C-/CR or better)
	M 100 or 104, MLL 111
	101, 102, or 104
A3. PHIL	
Area	B (9 units): Scientific Inquiry & Quantitative Reasoning
□ B1. Physi	cal Science
☐ B2. Life S	
	ratory Activity
	titative Reasoning (Must earn passing grade of C-/CR or better.)
	nits): Arts & Humanities - Minimum of two different discipline is designated by course prefix (e.g., ART, THEA, MUS)
C1. Arts	
C2. Huma	
	nal Lower-division Area C Course in Arts (C1) or Humanities (C2)
d	nits): Social Sciences - Minimum of two different disciplines as lesignated by course prefix (e.g., ANTH, ECON, POSC)
□ D1.	
□ D2.	a E /2 units) : Lifelong Learning and Self Davidonment
Are □ E.	a E (3 units) : Lifelong Learning and Self-Development
	Area F (3 units): Ethnic Studies
□ F.	, , , , , , , , , , , , , , , , , , , ,
	position: Requires completion of GE A2 with a C-/CR or bette Must be completed before attaining junior standing.
☐ Second C	
	University Writing Requirement
□ UWR	
U.S. Code	(American Institutions Requirement) - Two courses (6 units)
	nree U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. itution), and US-3 (California State & Local Government).
☐ Code 1.	,
☐ Code 1. ☐ Code 2.	
☐ Code 1. ☐ Code 2.	Division GE Requirements (9 units): Should be taken after
□ Code 1. □ Code 2. Upper	
□ Code 1. □ Code 2. Upper □ UD-B. Up	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up☐ UD-C.Upp	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up ☐ UD-C.Upp ☐ UD-D. Up	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division,
Code 1. Code 2. Upper UD-B. Up UD-C.Upp UD-D. Up Overlay Re	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning per-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up ☐ UD-C.Upp ☐ UD-D. Up ☐ UD-D. Up ☐ Upper Upp	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning per-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major (Div)
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up ☐ UD-C.Upp ☐ UD-D. Up ☐ UD-D. Up ☐ Overlay Re ☐ Diversity ☐ Social Jus	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div) tice (SJ)
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up ☐ UD-C.Upp ☐ UD-D. Up ☐ UD-D. Up ☐ Overlay Re ☐ Diversity ☐ Social Jus	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major (Div) tice (SI) jility (S)
□ Code 1. □ Code 2. □ Upper □ UD-B. Up □ UD-C.Upp □ UD-D. Up Overlay Re □ Diversity □ Social Jus □ Sustainat	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning per-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major (Div) tice (SJ) illity (S) Elective Courses
□ Code 1. □ Code 2. □ Upper □ UD-8. Up □ UD-C.Upi □ UD-D. Up Overlay Re □ Diversity □ Social Jus □ Sustainat	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major (Div) tice (SI) jility (S)
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Code 1. Code 2. Upper UD-B. Up UD-C.Upi Overlay Re Diversity Social Jus Sustainat Choose a micourses. Not Independen credit. Enro and the Dep BIOL 315 - N BIOL 352 - B	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div) tice (SI) sility (S)  Elective Courses inimum of 11 units of electives from the following list of the BIOL 398 Co-operative Education and/or BIOL 490 to Study may be used for a maximum of 3 units elective Illment in these courses requires approval by a faculty member artment Chair.  Itarine Biology Units: 4 logeography Units: 4
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□ Code 1. □ Code 2. □ Upper □ UD-B. Up □ UD-C.Up  □ UD-D. Up Overlay Re □ UD-D. Up Overlay Social Jus □ Soci	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Arts OR Humanities per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div) titce (SJ) lility (S)  Elective Courses nimum of 11 units of electives from the following list of its BIOL 398 Co-operative Education and/or BIOL 490 t Study may be used for a maximum of 3 units elective llment in these courses requires approval by a faculty member artment Chair.  farine Biology Units: 4 liogeography Units: 4 liogeography Units: 3 iternship Units: 14 liogeofracian in the second in the sec
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Code 1. Code 2. Upper UD-B. Up UD-C.Upp UD-C.Upp Social Jus Sustainat Choose a miccourses. Not independen credit. Enro and the Dep BIOL 365 - B BIOL 368 - F BIOL 368 - F BIOL 364 - G BIOL 444 - B BIOL 415 - P BIOL 424 - B	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  tice (SI)  bility (S)  Elective Courses  nimum of 11 units of electives from the following list of exity may be used for a maximum of 3 units elective Illment in these courses requires approval by a faculty member artment Chair.  darine Biology Units: 4 logeography Units: 4 ungi of California Units: 3 teernship Units: 1-4 enertic Analysis II Units: 3 CR, Sequencing and Fragment Analysis Units: 3 ioinformatics Units: 3
□ Code 1. □ Code 2. □ Upper □ UD-B. Up □ UD-C.Uppi □ UD-D. Up Overlay Re □ Jupensity □ Social Jus □ Sustainat □ Choose a miccourses. Not Independen credit. Enro and the Dep BIOL 352 - B BIOL 368 - F BIOL 368 - F BIOL 369 - I	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  ticle (SI)  bility (S)  Elective Courses  nimum of 11 units of electives from the following list of exit by the second of the secon
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☐ Code 1. ☐ Code 2. ☐ Upper ☐ UP-B. Up ☐ UD-C.Up ☐ UD-C.Up ☐ UD-D. Up ☐ UD-D. Up ☐ Social Jus ☐ Sustainat ☐ Choose a mi ☐ Courses. Not ☐ Independen ☐ Credit. Enro ☐ And The Dep ☐ BIOL 352 - B ☐ BIOL 352 - B ☐ BIOL 415 - P ☐ BIOL 410 - G ☐ BIOL 410 - G ☐ BIOL 410 - G ☐ BIOL 415 - P	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  ticle (SI)  bility (S)  Elective Courses  nimum of 11 units of electives from the following list of exit by the second of the secon
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□ Code 1. □ Code 2. □ Upper □ UD-B. Up□ □ UD-C. Upi□ □ UD-D. Upi □ Social Jus □ Sustainat □ Choose a micourses. Not independen credit. Enro and the Dep BIOL 315 - N BIOL 352 - B BIOL 352 - B BIOL 368 - F BIOL 352 - B BIOL 368 - F BIOL 352 - B BIOL 368 - F BIOL 352 - B BIOL 354 - B BIOL 354 - B BIOL 354 - B BIOL 466 - P	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ober-division Social Sciences per-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  tice (SJ)  bility (5)  Elective Courses  nimum of 11 units of electives from the following list of re: BIOL 398 Co-operative Education and/or BIOL 490  Study may be used for a maximum of 3 units elective Ilment in these courses requires approval by a faculty member artment Chair.  Marine Biology Units: 4  logeography Units: 4  ungi of California Units: 3  ternship Units: 1-4  enentic Analysis II Units: 3  licrobial Ecology Units: 3  licrobial Ecology Units: 3  liorlosi Fungi Units: 3  liorlosi Fungi Units: 4  inology of Fungi Units: 4  irrithology Units: 4  irrithology Units: 4  opulation Biology Units: 4
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☐ Code 1. ☐ Code 2. ☐ Upper ☐ UP-B. Up ☐ UP-C.Upi ☐ UD-D. Up ☐ UP-D. Up ☐ Voerlay Re ☐ Diversity ☐ Social Jus ☐ Sustainab ☐ Choose a micourses. Notindependen credit. Enro and the Dep ☐ BIOL 315 - N ☐ BIOL 368 - F ☐ BIOL 468 - F ☐ BIOL 454 - B ☐ BIOL 455 - C ☐ BIOL 466 - P ☐ BIOL 468 - N ☐ BIOL 475 - G	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  tice (SI)  bility (S)  Elective Courses  nimum of 11 units of electives from the following list of ee: BIOL 398 Co-operative Education and/or BIOL 490  15 tudy may be used for a maximum of 3 units elective Illment in these courses requires approval by a faculty member artment Chair.  farine Biology Units: 4  logeography Units: 4  ungi of California Units: 3  teernship Units: 1-4  enetic Analysis II Units: 3  CR, Sequencing and Fragment Analysis Units: 3  ioinformatics Units: 3  licrobial Ecology Units: 4  loilogy of Fungi Units: 4  unithology Units: 4  opulation Biology Units: 4  loilogy of Fungi Units: 4
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up ☐ UD-C. Upi ☐ UD-D. Upi ☐ UD-D. Upi ☐ Social Jus ☐ Sustainat ☐ Choose a micourses. Not Independen credit. Enro and the Dep ☐ Diversity ☐ Social Jus ☐ Sustainat ☐ Choose a micourses. Not Independen credit. Enro and the Dep ☐ Diversity ☐ Social Jus ☐ Social Jus ☐ Sustainat ☐ Choose a micourses. Not Independen credit. Enro and the Dep ☐ Diversity ☐ Social Jus ☐ Sustainat ☐ Choose a micourses. Not Independen credit. Enro and the Dep ☐ Diversity ☐	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences (19 units): Courses may be upper or lower division, and GE or major (Div) title (SI) (Div) title (SI) (Div) (
☐ Code 1. ☐ Code 2. ☐ Upper ☐ UD-B. Up☐ ☐ UD-C.Up☐ ☐ UD-D. Up☐ ☐	Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR) per-division Science Inquiry and Quantitative Reasoning ber-division Social Sciences [Por-division Social Sciences] oper-division Social Sciences quirements (9 units): Courses may be upper or lower division, and GE or major  (Div)  tice (SI)  iility (S)  Elective Courses  nimum of 11 units of electives from the following list of re: BIOL 398 Co-operative Education and/or BIOL 490 t Study may be used for a maximum of 3 units elective Ilment in these courses requires approval by a faculty member artment Chair.  Marine Biology Units: 4 iogeography Units: 4 ungi of California Units: 3 tternship Units: 1-4 enetic Analysis II Units: 3 iderobial Ecology Units: 3 licrobial Ecology Units: 4 iologo of Fungi Units: 4 iologo of Fungi Units: 4 routh Biology Units: 4 iology Onits: 4 iology Onits: 4 iology Onits: 4 iology Units: 4 iology Engle Units: 4 iology Units: 4 iology Onits: 4 iology Engle Units: 4 iology Onits: 4

<sup>\*</sup>Students are required to take a minimum of 40 semester units as upper division (includes 9 units upper division GE)