Area	Course	Course Title	Prerequisites	Units
71100		sciences, B.S.: Ecology and Evolutionar		- Cinto
	,	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	One from the following: Satisfactory score of 78 or higher on Mathematics Placement Exam, MATH 120 or MATH 125 (either	5
B4/LD Major C1	MATH 130	Calculus I Arts	course with grade C- or better).	3
			Total:	17
	I	Second Semester (SPRING)	T	
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
			Total:	14
_		Third Semester (FALL)		
<u>E</u>		Lifelong Learning and Self-Development		1
A3	PHIL 100	Workshop in Critical Thinking		3
B1/LD Major B3/LD Major	CHEM 111 CHEM 111L	General Chemistry I General Chemistry Lab I		3 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.  Total:	3 16
	•		,	
		Fourth Semester (SPRING)		
Second		(		
Composition	ENGL 200 or PHYS 230			3
B3/LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.	5
IID Maias	DIOL 270	Animal Physiolegy	STAT 202	
UD Major UD	BIOL 370	Animal Physiology	STAT 303.	4
Major/Elective 1				3
			Total:	15
		Fifth Semester (FALL)	1	
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
OD INIGJUI			Total:	_
SD IVIDJOI		Sixth Semester (SPRING)		16
Add'l C1 or C2*		Sixth Semester (SPRING) Arts or Humanities		_
	BIOL 320		BIOL 310.	16
Add'l C1 or C2* UD Major	BIOL 320	Arts or Humanities Evolutionary Biology	CHEM 230 or CHEM 332, both with grade	3 3
Add'l C1 or C2* UD Major UD Major	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry	CHEM 230 or CHEM 332, both with grade C- or better.	3 3 3
Add'l C1 or C2* UD Major UD Major LD Major	BIOL 320	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II	CHEM 230 or CHEM 332, both with grade	3 3 3 4
Add'l C1 or C2* UD Major UD Major	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125	3 3 3 4 3
Add'l C1 or C2* UD Major UD Major LD Major	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II	CHEM 230 or CHEM 332, both with grade C- or better.	3 3 3 4
Add'l C1 or C2* UD Major UD Major LD Major	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology  Survey of Biochemistry Principles of Physics II US Code	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125	3 3 3 4 3
Add'l C1 or C2* UD Major UD Major LD Major Code 2  D2 UD-B/Overlay	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code Seventh Semester (FALL)	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125	3 3 3 4 3 16
Add'l C1 or C2* UD Major UD Major LD Major Code 2	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code Seventh Semester (FALL) Social Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125 Total:	3 3 3 4 3 16
Add'I C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code Seventh Semester (FALL) Social Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125 Total:	3 3 3 4 4 3 3 3 3 3
Add'l C1 or C2* UD Major UD Major LD Major Code 2  D2 UD-B/Overlay UD Major/Elective 2 UD	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code Seventh Semester (FALL) Social Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125 Total:	3 3 3 4 3 16
Add'I C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code Seventh Semester (FALL) Social Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125 Total:  Completion of GE areas A1, A2, A3 and B4.	3 3 3 3 4 4 4 3 3 3 3 4 4 4 4 4 4 4 4 4
Add'I C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective 3  UD-C/Overlay	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code  Seventh Semester (FALL) Social Science UD Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125 Total:  Completion of GE areas A1, A2, A3 and B4.	3 3 3 4 4 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4
Add'l C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective 3  UD-C/Overlay UD-D/Overlay	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code  Seventh Semester (FALL) Social Science UD Science  Eighth Semester (SPRING)	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125  Total:  Completion of GE areas A1, A2, A3 and B4.  Total:  Completion of GE areas A1, A2, A3 and B4.  Completion of GE areas A1, A2, A3 and B4.	33 33 44 33 33 34 44 14
Add'l C1 or C2* UD Major  UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective 3 UD-C/Overlay UD-D/Overlay UD-D/Overlay UD-D/Overlay	BIOL 320 CHEM 340	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code  Seventh Semester (FALL) Social Science UD Science  Eighth Semester (SPRING) UD Arts or Humanities	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125  Total:  Completion of GE areas A1, A2, A3 and B4.  Total:  Completion of GE areas A1, A2, A3 and B4.	33 33 34 44 16
Add'I C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective 3  UD-C/Overlay UD-D/Overlay UD Major	BIOL 320 CHEM 340 PHYS 126	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code  Seventh Semester (FALL) Social Science UD Science  Lighth Semester (SPRING) UD Arts or Humanities UD Social Science Undergrad Sem in Ecology and Evolution	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125  Total:  Completion of GE areas A1, A2, A3 and B4.  Total:  Completion of GE areas A1, A2, A3 and B4.  Completion of GE areas A1, A2, A3 and B4.  Completion of GE areas A1, A2, A3 and B4.  BIOL 320 and BIOL 350.	33 33 33 16 33 34 44 14 33 33 2
Add'I C1 or C2* UD Major UD Major LD Major Code 2  UD-B/Overlay UD Major/Elective 2 UD Major/Elective 3  UD-C/Overlay UD-D/Overlay UD UD Major/UD UD U	BIOL 320 CHEM 340 PHYS 126	Arts or Humanities Evolutionary Biology Survey of Biochemistry Principles of Physics II US Code  Seventh Semester (FALL) Social Science UD Science  Eighth Semester (SPRING) UD Arts or Humanities UD Social Science	CHEM 230 or CHEM 332, both with grade C- or better. PHYS 125  Total:  Completion of GE areas A1, A2, A3 and B4.  Total:  Completion of GE areas A1, A2, A3 and B4.  Completion of GE areas A1, A2, A3 and B4.	33 33 44 33 33 34 44 14

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.

	ea A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)
CSI	UEB General Breadth and Graduation Requirement Checklist
	COMM 100 or 104, MLL 111
	ENGL 101, 102, or 104
	PHIL 100
	Area B (9 units) : Scientific Inquiry & Quantitative Reasoning
	Physical Science
	Life Science
	Laboratory Activity  Quantitative Reasoning (Must earn passing grade of C-/CR or better.)
Α	cuantitative measoning funds team passing grade or Cyclin Detter.) rea C (9 units): Arts & Humanities - Minimum of three different lisciplines as designated by course prefix (e.g., ART, THEA, MUS)
□ C1.	
□ C2.	Humanities
	Iditional Lower-division Area C Course in Arts (C1) or Humanities (C2)
	D (6 units): Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)
□ D1.	
□ D2.	
□ E.	Area E (3 units): Lifelong Learning and Self-Development
□ F.	Area F (3 units): Ethnic Studies
	d Composition : Requires completion of GE A2 with a C-/CR or bette Must be completed before attaining junior standing.
☐ Sec	ond Composition
	Code (American Institutions Requirement) - Two courses (6 units)
	ring three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).
□ Cod	le 1.
☐ Cod	
U	pper Division GE Requirements (9 units): Should be taken after
	completion of A1, A2, A3, and B4 with a C- (CR)
	B. Upper-division Science Inquiry and Quantitative Reasoning
	C.Upper-division Arts OR Humanities
□ UD-	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division,
Overl	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences  ay Requirements (9 units): Courses may be upper or lower division,  and GE or major
Overl	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div)
Overl	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences  ay Requirements (9 units): Courses may be upper or lower division,  and GE or major
Overl	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ)
☐ UD- Overl ☐ Dive ☐ Soci ☐ Sust	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of
☐ UD- Overl ☐ Dive ☐ Soci ☐ Sust Choose course	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ) tainability (S)  Elective Courses  a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490
UD- Overli Dive Soci Sust	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective
UD-Overli Dive Soci	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ) tainability (S)  Elective Courses  a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490
☐ UD- Overl. ☐ Dive ☐ Soci ☐ Sust Choose course Indepe credit. and the	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div)  lal Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member
Diversion Divers	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ) tainability (S)  Elective Courses  a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair.
□ UD- Overl □ Dive □ Soci □ Sust  Choose course Indepe credit. and the BIOL 3:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4
□ UD- OverI □ Dive □ Soci □ Sust Choose course Indepe credit. and the BIOL 3 BIOL 3	C.Upper-division Arts OR Humanities  D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SJ) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 indent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member to Eppartment Chair.  15 - Marine Biology Units: 4 68 - Fungi of California Units: 3
UD-Overli Dive Soci Sust Choose course Indepe credit. and the BIOL 3 BIOL 3 BIOL 3	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4
UD-Overl Dive Soci Sust Choose course Indepe credit. and the BIOL 3: BIOL 3: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) lal Justice (3)) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3
☐ UD- Overl ☐ Dive ☐ Soci ☐ Sust Choose course Indeper credit. and the BIOL 3: BIOL 3: BIOL 3: BIOL 4: BIOL 4	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) lal Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 55 - Biogeography Units: 4 68 - Fungi of California Units: 3 99 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3
UD-Overl Dive Soci	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3
□ UD- Overi □ Dive □ Soci □ Sust  Chooses courses Indepe credit. and the BIOL 3: BIOL 3: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 3
□ UD- Overi □ Dive □ Soci □ Sust  Chooses courses Indepe credit. and the BIOL 3: BIOL 3: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3
□ UD- Overl □ Dive □ Soci □ Sust  Choose course credit. and the BIOL 3: BIOL 3: BIOL 4: BIOL 4: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 3
□ UD- Overl □ Diverl □ Soci □ Soci □ Sust  Choose credit. BIOL 3: BIOL 4: BIOL 4: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 4 55 - Vertebrate Biology Units: 4
UD-Overl Dives Social S	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) ial Justice (3)) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 68 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 4 55 - Vertebrate Biology Units: 4 58 - Animal Behavior Units: 4
UD-Overl Diversessessessessessessessessessessessesse	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) lail Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 52 - Biogeography Units: 1 54 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 4 55 - Biology of Fungi Units: 4 55 - Vertebrate Biology Units: 4 56 - Population Biology Units: 4
□ UD- Overl □ Diverl □ Soci □ Susti  Chooses course Indepect and the BIOL 3: BIOL 3: BIOL 4:	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) lail Justice (SI) tainability (S)  Elective Courses a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 55 - Biogeography Units: 4 66 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 24 - Bioinformatics Units: 3 25 - Biology of Fungi Units: 4 55 - Vertebrate Biology Units: 4 56 - Population Biology Units: 4 66 - Population Biology Units: 4 67 - Population Biology Units: 4 68 - Molecular Ecology Units: 4
□ UD- Overl □ Diverl □ Soci □ Sust  Chooses course Indepe Indep Ind	C.Upper-division Arts OR Humanities D. Upper-division Social Sciences ay Requirements (9 units): Courses may be upper or lower division, and GE or major ersity (Div) lail Justice (SI) tainability (S)  Elective Courses e a minimum of 11 units of electives from the following list of s. Note: BIOL 398 Co-operative Education and/or BIOL 490 endent Study may be used for a maximum of 3 units elective Enrollment in these courses requires approval by a faculty member e Department Chair. 15 - Marine Biology Units: 4 52 - Biogeography Units: 4 52 - Biogeography Units: 1 54 - Fungi of California Units: 3 98 - Internship Units: 1-4 10 - Genetic Analysis II Units: 3 15 - PCR, Sequencing and Fragment Analysis Units: 3 24 - Bioinformatics Units: 3 44 - Medical Entomology Units: 4 55 - Biology of Fungi Units: 4 55 - Vertebrate Biology Units: 4 56 - Population Biology Units: 4

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