

Degree: Biological Sciences, B.A.: Biology Education Concentration				
Requirement Area	Course	Course Title	Prerequisites	Units
First Semester				
E	GS 101A	Foundations of Success I		1
E				1
A1	COMM 100	Communication		3
B4/LD Major	MATH 120	Precalculus		3
C1				3
D1/Code 1				3
			Total:	14
Second Semester				
E	GS 101B	Foundations of Success II		1
A2	ENGL 102	College Writing (English Composition)		3
A3	PHIL 100	Workshop in Critical Thinking		3
C2				3
B2/LD Major	BIOL 140A	Principles of Cell and Molecular Biology		5
			Total:	15
Third Semester				
LD Major	BIOL 140B	Principles of Organismal Biology	BIOL 140A with grade C- or better.	5
Sustainability Overlay/LD Major	GEOL 100	Earth Systems Science		4
B1/LD Major	CHEM 111	General Chemistry I		5
UD Major	TED 301	Exploring Education		3
			Total:	17
Fourth Semester				
B3/LD Major	CHEM 112	General Chemistry II	CHEM 111 with grade C- or better.	5
LD Major	PHYS 115	Elementary Physics		3
UD Major	STAT 303	Statistics for Biology	Completion of GE area B4.	3
Writing II/WID (2nd Comp)	ENGL 200 or PHYS 230			3
			Total:	14
Fifth Semester				
UD Major	CHEM 230	Survey of Organic Chemistry	CHEM 112 with grade C- or better.	5
UD Major	BIOL 370	Animal Physiology	BIOL 140B with grade C- or better and CHEM 112.	4
C4/Major Concentration	PHIL 371	Concentration	Completion of GE areas A1, A2, A3 and B4.	3
D2				3
			Total:	15
Sixth Semester				
Add'l C1 or C2*				3
UD Major	BIOL 310	Genetic Analysis I	BIOL 140A.	4
UD Major	BIOL 350	Ecology	BIOL 140B, MATH 115, STAT 303.	4
Code 2				3
			Total:	14
Seventh Semester				
D3				3
C4/Overlay				3
UD Major	BIOL 330	General Microbiology	BIOL 140B.	5
UD Major	SCI 308	Hands On Science Teaching	Department consent.	1
UD Major/Elective 1				3
			Total:	15
Eighth Semester				
B6/Overlay			Completion of GE areas A1, A2, A3 and B4.	3
D4/Overlay			Completion of GE areas A1, A2, A3 and B4.	3
UD Major	BIOL 320	Evolutionary Biology	BIOL 310.	3
UD Concentration Elective	BIOL 426, 430, 469, or 488	Concentration		3-4
Elective				3-4
			Total:	16
Total Units:				120

General Education & University Requirements - Suggested Courses	
Area A (9 units): Communication in the English Language & Critical Thinking (Must earn passing grade of C-/CR or better)	
<input type="checkbox"/> A1. COMM 100 or 104, MLL 111	
<input type="checkbox"/> A2. ENGL 101, 102, or 104	
<input type="checkbox"/> A3. PHIL 100	
Area B (9 units) : Scientific Inquiry & Quantitative Reasoning	
<input type="checkbox"/> B1. Physical Science	
<input type="checkbox"/> B2. Life Science	
<input type="checkbox"/> B3. Laboratory Activity	
<input type="checkbox"/> B4. Quantitative Reasoning (Must earn passing grade of C-/CR or better.)	
Area C (9 units): Arts & Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)	
<input type="checkbox"/> C1. Arts	
<input type="checkbox"/> C2. Humanities	
<input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or Humanities (C2)	
Area D (9 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)	
<input type="checkbox"/> D1.	
<input type="checkbox"/> D2.	
<input type="checkbox"/> D3.	
Area E (3 units) : Lifelong Learning and Self-Development	
<input type="checkbox"/> E.	
Second Composition : Requires completion of GE A2 with a C-/CR or better. Must be completed before attaining junior standing.	
<input type="checkbox"/> Writing II .	
University Writing Skills Requirement	
<input type="checkbox"/> UWSR. Writing Skills Test (WST) or First and/or Second Tier Courses	
U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State & Local Government).	
<input type="checkbox"/> Code 1 .	
<input type="checkbox"/> Code 2 .	
Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)	
<input type="checkbox"/> B6. Upper-division Science Inquiry and Quantitative Reasoning	
<input type="checkbox"/> C4. Upper-division Arts OR Humanities	
<input type="checkbox"/> D4. Upper-division Social Sciences	
Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major	
<input type="checkbox"/> Diversity (Div)	
<input type="checkbox"/> Social Justice (SJ)	
<input type="checkbox"/> Sustainability (S)	