NAME	
STUDENT ID	
CONCENTRATION	
MINOR	
Cal Poly, Higher Ed, and Major GPA at least 2.00	[] YES [] NO
US Cultural Pluralism Met	[] YES [] NO
60 Units Upper-Division Met Taken/Remaining	[] YES [] NO
GWR Met	[] YES [] NO
Upper-Division GE Met Taken/Remaining	[] YES [] NO
Free Electives Met	[] YES [] NO
C- or higher in A1, A2, A3, and B4	[] YES [] NO
Residency Requirements Met	[] YES [] NO



NOTE: This is a snapshot of the curriculum as originally published in the catalog. The Degree Progress Report (DPR) reflects updates to the published catalog. The DPR will be used to award your degree and calculate your EAP.

Note: No Major, Support or	Concentration courses may	y be selected as credit/no credit.

MAJOR COURSES (78)	Units	Grade	Grd Pts
BIO 160 Diversity and History of Life	4		
BIO 161 Cell & Molecular Bio (B2&B3) ¹	4		
BIO 162 Organismal Form & Function	4		
BIO 263 Intro Ecology & Evolution	4		
BIO 351 Principles of Genetics	5		
BIO 413 or BIO 414	4		
BIO 461 <i>or</i> BIO 462	2		
Ecology ³	4		
BIO 327, 363, 442; BOT 326; MCRO 436;			
MSCI 300			
Physiology ^{2,3}	4		
BIO 361, 434, 435			
Conc. or General Curriculum in Biology ³	43		
(see reverse)			

SUPPORT COURSES (41)

CHEM 127 Gen Chem for Ag & Life Sci I (B1&B3) 1	4
CHEM 128 Gen Chem for Ag & Life Sci II	4
CHEM 129 Gen Chem for Ag & Life Sci III	4
CHEM 216 Organic Chem I ⁴	5
or CHEM 312 Survey of Organic Chem	
MATH 161 Calculus for Life Sciences I (B4) ¹	4
MATH 162 Calculus for Life Sciences II (GE Elective) ¹	4
PHYS 121 College Physics I	4
PHYS 122 College Physics II	4
PHYS 123 College Physics III	4
STAT 218 Applied Statistics for the Life Sciences	4

GENER	AAL EDUCATION (GE)		56
72 u	nits required, 16 of which are specified in Major and/or S	Support.	
Min	imum of 12 units required at the 300 level.		
Area A	English Language Comm & Critical Thinking		12
A1	Oral Communication	. 4	_
A2	Written Communication	4	
A3	Critical Thinking	. 4	Ш,
Area B	Scientific Inquiry & Quantitative Reasoning		4
B1	Physical Science (4 units in Support) 1		
B2	Life Science (4 units in Major) 1		
В3	Laboratory Activity (in Major/Support) 1		
B4	Math/Quant. Reasoning (4 units in Support)		
Upp	er-Division B	. 4	
Area C	Arts and Humanities		16
Lower-di	vision Area C courses must come from 3 different subje	ct prefixe	es
C1	Arts ⁵	. 4	
C2	Humanities ⁵		
Low	ver-Div. C Elect.: C1 or C2 ⁵	4	
Upp	er-Division C	. 4	
Area D	Social Sciences		16
D1	American Inst. (Title5/40404)	. 4	
Courses	in D2 must come from 2 different subject prefixes		
D2	Lower-Division ⁶		
D2	Lower-Division ⁶		_
	er-division D	. 4	
	Lifelong Learning and Self-Development		4
	ver-Division E	. 4	
GE Elec	ctives in Areas C or D	1	4

FREE ELECTIVES 5

 $^{^{\}rm 1}$ Required in Major/Support; also satisfies General Education (GE) requirement.

 $^{^2}$ Students planning to take Anatomy and Physiology courses should take BIO 361 to fulfill this requirement.

³ Courses taken to meet a Major or Support requirement cannot be double-counted in the concentration or General Curriculum.

⁴ Students in the Molecular and Cellular Biology concentration should take CHEM 216 to fulfill this requirement.

⁵ C1, C2 and C elective must come from three different subject prefixes.

⁶ Second D2 must be a different subject prefix from the first D2.

GENERAL CURRICICULUM (default if no concentration declared)

General Biodiversity ^{1,2}	4
BIO 321, 322, 323, 324 329, 335, 336, 429; BOT 313;	
MCRO 224 ³ , 402; MSCI 324	
400-Level Electives ^{1,4}	12
Select from any 400 level BIO/BOT/MCRO/MSCI course,	
except BIO 400, 450, 461, 462, 463.	
300-400 Level Electives ^{1,2}	8
Select any 300-400 level BIO/BOT/MCRO/MSCI course,	
except BIO 300, 330, 400, 450, 461, 462, 463	
APPROVED ELECTIVES ^{1,5,6,7,8}	
At least 12 units must be upper division.	
General Electives ^{7,8}	4
Any BIO/BOT/MCRO/MSCI course.	
Additional Electives ^{7,8}	15
Select from the following: Any BIO/BOT/MCRO/MSCI course;	
AG/EDES/ENGR/ISLA/SCM/UNIV 350; ANT 401, ASCI 239,	
351, 403; ASCI 405 or BIO 407; ASCI 406, 438; CHEM 217,	
218, 220, 223, 313 or 371, 331, 341, 372, 377, 418, 428, 474;	
COMS 418; CSC 101; DATA 301; ENGR 322/SCM 3029;	
ERSC/GEOG 250; ES/WGS 350; FSN 310; GEOG 440; KINE	
406, 445, 446; LA/NR 218 or GEOG 318; NR 141, 142, 404,	
416, 418, 425; PHIL 323 or PHIL 339 or PHIL 341; PSC 201;	
PSY 320, 340; SS 120, 321, 322, 422; STAT 313, 324 or 334,	
330, 416, 419, 421.	
	43
	7.

ANATOMY AND PHYSIOLOGY CONCENTRATION

CHEM 371 or CHEM 313 A&P Biodiversity ^{1,2} AEPS/BOT 323, BIO 321, 322, 323, 324, 329, 335, 336, 415; BOT 313; MCRO 224 ³ ; MSCI 324, 437 Core Anatomy and Physiology ^{1,2} BIO 406, 407 or ASCI 405, BIO 408, 409, 410, 426. Department Electives ^{1,2} BIO 321, 322, 323, 324, 329, 335, 336, 405, 406, 407 or ASCI 405,	5 4 16
AEPS/BOT 323, BIO 321, 322, 323, 324, 329, 335, 336, 415; BOT 313; MCRO 224 ³ ; MSCI 324, 437 Core Anatomy and Physiology ^{1,2} BIO 406, 407 or ASCI 405, BIO 408, 409, 410, 426. Department Electives ^{1,2}	16
415; BOT 313; MCRO 224 ³ ; MSCI 324, 437 Core Anatomy and Physiology ^{1,2} BIO 406, 407 or ASCI 405, BIO 408, 409, 410, 426. Department Electives ^{1,2}	
Core Anatomy and Physiology ^{1,2} BIO 406, 407 or ASCI 405, BIO 408, 409, 410, 426. Department Electives ^{1,2}	
BIO 406, 407 or ASCI 405, BIO 408, 409, 410, 426. Department Electives ^{1,2}	
Department Electives ^{1,2}	3
	3
BIO 321 322 323 324 329 335 336 405 406 407 or ASCI 405	J
BIO 321, 322, 323, 321, 323, 333, 103, 103, 107 of fisch 103,	
408, 409, 410, 415, 426, 428, 429, 434, 435, 470; BIO/CHEM 475;	
MCRO 224 ³ , 225, 320, 342, 402, 423, 424	
Approved Electives ^{1,7,8,9} (At least 4 units must be upper div)	11
AEPS/BOT 323; ANT 401; ASCI 351, 406, 438; BIO 300 ⁸ , 321,	
322, 323, 324, 329, 335, 336, 400 ⁸ , 405, 406, 407 or ASCI 405,	
408, 409, 410, 415, 426, 428, 429, 434, 435, 461 ⁷ , 462 ⁷ , 463,	
470; BIO/CHEM 475; BOT 313; CHEM 217, 218, 220, 223,	
372, 418, 428; COMS 418; CSC 101, DATA 301; ENGR	
322/SCM 302 ⁹ ; FSN 310; KINE 406, 445, 446; MCRO 225,	
320, 342, 402, 423, 424; MSCI 324, 437; PHIL 323 or PHIL 339	
or PHIL 341; PSY 320, 340; STAT 313; WGS/ES 350.	

MOLECULAR AND CELLULAR BIOLOGY CONCENTRATION

	43
Select from any 300-400 level BIO/BOT/MCRO/ MSCI courses (including Advanced Cell and Molecular Applications from the list above); or select from the following (at least 5 units must be upper division): ASCI 403, 406; BIO/CHEM 202; CHEM 218, 223, 331, 372, 377, 418, 428, 474; CSC 101; DATA 301; ENGR 322/SCM 302 ⁹ ; ES/WGS 350; PHIL 323 or PHIL 339 or PHIL 341; STAT 313.	
Approved Electives ^{1,5,8,11,12}	12
Advanced Cell and Molecular Applications ^{1,2} Select from the following: ASCI 403; BIO 405, 426, 428; BIO/CHEM 441, 476; CHEM 372, 418, 474; MCRO 402,	10
MCRO 224 General Microbiology I	5
CHEM 371 Biochemical Principles	5
CHEM 220 Organic Chem Lab II	1
CHEM 217 Organic Chemistry II	3
BIO/CHEM 475 Molecular Biology Laboratory	3
BIO 452 Cell Biology	4

ECOLOGY, EVOLUTION, BIODIVERSITY, AND CONSERVATION

BIO 363 Principles of Conservation Biology	4
LA/NR 218 or GEOG 318 Applications in GIS ¹¹	3
Biodiversity ^{10,11}	12
BIO 321, 322, 323, 324, 335, 336; BOT 313, 433; MCRO 224;	
MSCI 437	
Ecology & Evolution ¹¹	4
BIO 415, 442, 444, 445, 446; BOT 326; MCRO 436; MSCI 300	
Conservation 10,11	4
BIO 427; MSCI 428, 439; NR 416	
Approved Electives ^{1,5}	16
ASCI 239; BIO 300 ⁸ , 321, 322, 323, 324, 327, 329, 330, 335,	
336, 400 ⁸ , 415, 419, 427, 429, 434, 435, 442, 444, 445, 446, 450 ⁸ ,	
461 ⁷ , 462 ⁷ , 463; BOT 311, 323, 326; GEOG 440; MCRO 224,	
436; MSCI 300, 324, 428, 437, 439; NR 141, 142, 404, 416, 418,	
425; ENGR 322/SCM 302 ⁹ ; STAT 313, 324 or 334, 330, 331,	
416, 419, 421	
	43

¹ Consultation with advisor is recommended prior to selecting electives; bear in mind your selection may impact pursuit of post-baccalaureate studies and/or goals.

² Excess units will be applied to Approved Electives.

³ Recommended for students interested in health science careers.

 $^{^4\,\}mathrm{Excess}$ units will be applied to 300-400 level Approved Electives.

⁵ If a course is taken to meet a Major or Support requirement, it cannot be double-counted in the concentration.

⁶ Taking a GE course that double-counts as an elective may cause an upper-division unit shortage. Use care to ensure that you have selected enough 300 and 400-level courses to meet the 60-unit Upper-Division Requirement, and that you meet the 180 units required for the degree.

⁷ If BIO 461 or BIO 462 is used to meet the senior project requirement, it cannot also be counted as an elective.

⁸ Maximum of 6 units may be applied toward Approved Electives from: BIO 200, 300, 400, 450, 485, 495.

 $^{^9}$ Maximum of 2 units may be applied towards Approved Electives from ENGR 322/ SCM 302.

¹⁰ Students seeking certification (i.e. as an Associate Wildlife Biologist from the Wildlife Society) should see their faculty advisor for guidance.

 $^{^{\}rm 11}$ Excess units will be applied to subsequent concentration electives.

 $^{^{12}}$ Consult with your faculty advisor for approval to use other relevant upper-division coursework in other departments.