



California State University Channel Islands

Bachelor of Arts

BIOLOGY: Ecology, Evolution & Organismal Biology Emphasis

Advisement Form 2007-2008

Name _____ ID _____

B.A. in Biology with an Emphasis in Ecology, Evolution, & Organismal Biology is 58-60 units. 120 minimum units are required for graduation.

Lower Division Major Requirements (8 units)		Instit.	Course	Units	Grade	Term	Prerequisites, GE & comments
BIOL 200 Principles of Organismal and Population Biology	4						GE: B2
BIOL 201 Principles of Cell and Molecular Biology <i>Must receive grade of "C" or better</i>	4						Prereq: CHEM 105 or 121; GE: B2
Required Supporting Courses (14 units)							
Chemistry (8 units)							
CHEM 121 General Chemistry I <i>Must receive grade of "C" or better</i>	4						Prereq: 1 year high school chemistry or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive grade of "C" or better</i>	4						Prereq: CHEM 121 with a grade of "C" or better; GE: B1
Geology (3 units)							
GEOL 122 Historical Geology	3						GE: B1
Statistics, Mathematics and Computer Applications (3 units)							
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score on ELM or MATH 105 or equivalent; GE: B3, B4
Upper Division Requirements in the Major (36-38 units)							
Required Biology Core Courses (26 units)							
BIOL 301 Microbiology	4						Prereq: BIOL 201 with a grade of "C" or better & CHEM 122
BIOL 302 Genetics	4						Prereq: BIOL 201 with a grade of "C" or better & CHEM 122
BIOL 303 Evolutionary Biology	3						Prereq: BIOL 200 & BIOL 201
BIOL 311 Plant Biology and Ecology	4						
BIOL 310 Vertebrate Biology <i>Or</i> BIOL 316 Invertebrate Zoology	4						Prereq: BIOL 200
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2 & INTD
BIOL 499 Senior Capstone	3						Prereq: Consent of instructor
Ecology/Evolution (3-4 units) Select one course from the following list:							
BIOL/ESRM 313 Conservation Biology	4						Prereq: BIOL 200
BIOL 406 Evolutionary Biogeography	3						Prereq: BIOL 303
BIOL 407 Behavioral Ecology	3						Prereq: BIOL 200
Organismal Biology (4 units) Select one course from the following list:							
BIOL 310 Vertebrae Biology <i>(if not taken as part of a core)</i>	4						Prereq: BIOL 200
BIOL 312 Marine Biology	4						Prereq: BIOL 200
BIOL 316 Invertebrate Zoology <i>(if not taken as part of a core)</i>	4						Prereq: BIOL 200
BIOL 317 Parasitology	4						Prereq: BIOL 200

Organismal Biology, cont.		Instit.	Course	Units	Grade	Term	Prerequisites, GE & comments
BIOL 450 Ichthyology: The Biology of Fishes	4						Prereq: BIOL 200
BIOL 451 Ornithology	4						Prereq: BIOL 200 & 201
Physiology/Developmental/Molecular Biology (3-4 units) <i>Select one course from the following list:</i>							
BIOL 300 Cell Biology <i>Must receive grade of "C" or better</i>	4						Prereq: BIOL 201 with a grade of "C" or better & CHEM 122
BIOL 304 Comparative Animal Physiology	3						Prereq: BIOL 200 & BIOL 201
BIOL 400 Molecular Biology	4						Prereq: BIOL 300 or BIOL 302 with a grade of "C" or better
BIOL 422 Molecular Plant Physiology	4						Prereq: BIOL 300 with a grade of "C" or better
BIOL 427 Developmental Biology	4						Prereq: BIOL 300 with a grade of "C" or better and CHEM 122

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449)	
Course 1 <u>BIOL 433</u>	Course 2 _____ Course 3 (outside of major) _____
American Institutions Requirements: US History _____ State and Local Gov't _____ (Choose from HIST 270, 271, 272 or 275) (Choose POLS 150)	
<i>Students must receive a grade of "C" or better in the language and Multicultural Requirements</i>	
Language Requirement: GE C3a _____ (one semester of college level language)	
Multicultural Requirement: GE C3b _____	
<i>Minimum total units to graduate: 120 of which 40 must be upper division. Please see catalog for a complete list of graduation requirements.</i>	
Advisor _____	Date Completed: _____
Advisor Comments: _____ _____	