



Bachelor of Science BIOLOGY

Advisement Form 2008-2009

Name _____ ID _____

Lower Division Major Requirements (8 units)	Un.	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 a C or better</i>	4						Prereq: CHEM 105 or 121; GE: B2
Required Supporting Courses (31 units)							
Chemistry (16 units)							
<i>A year-long organic chemistry sequence with lab taken at a community college may be accepted in lieu of CHEM 311, 312, 314 & 315.</i>							
CHEM 121 General Chemistry I <i>Must receive a C or better</i>	4						Prereq: 1 year high school chemistry or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive a C or better</i>	4						Prereq: CHEM 121; GE: B1
CHEM 311 Organic Chemistry I <i>Must receive a C or better</i>	3						Prereq: CHEM 122
CHEM 312 Organic Chemistry I Lab <i>Must receive a C or better</i>	1						Prereq: CHEM 311 (or taken concurrently)
CHEM 314 Organic Chemistry II <i>Must receive a C or better</i>	3						Prereq: CHEM 311
CHEM 315 Organic Chemistry II Lab	1						Prereq: CHEM 311, 312, 314 (or taken concurrently)
Physics (8 units) Select <u>one</u> of the following combinations:							
PHYS 100 Introduction to Physics I	4						GE: B1
PHYS 101 Introduction to Physics II	4						Prereq: PHYS 100; GE: B1
PHYS 200 General Physics I	4						Prereq: MATH 150; GE: B1
PHYS 201 General Physics II	4						Prereq: PHYS 200; GE: B1
Statistics and Mathematics (7 units)							
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score on the ELM or MATH 105 or equivalent; GE: B3, B4
MATH 150 Calculus I	4						Prereq: A passing score on the Calculus Placement Exam or MATH 105; GE: B3
Upper Division Major Requirements (39 units)							
Biology (25 Units)							
BIOL 300 Cell Biology <i>Must receive a C or better</i>	4						Prereq: BIOL 201 with a C or better & CHEM 122
BIOL 302 Genetics <i>Must receive a C or better</i>	4						Prereq: BIOL 201 with a C or better & CHEM 122
BIOL 303 Evolutionary Biology	3						Prereq: BIOL 200, 201
BIOL 304 Comparative Animal Physiology	3						Prereq: BIOL 200, 201
BIOL 400 Molecular Biology	4						Prereq: BIOL 300 or 302 with a C or better

Upper Division Major Requirements, cont.	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, INTD
BIOL 499 Senior Capstone in Biology	3						Prereq: Consent of instructor
Electives in Biology (14 units) Select at least <u>14</u> units from 300 and 400 level biology courses, one of which must be a lab course. (Biology courses numbered from 326 to 345 are counted toward GE credits only and they are <u>not</u> counted towards the 14 units of electives). No more than <u>two</u> units from BIOL 492, 494, 497 may be used towards the 14 units of electives.							

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449)	
Course 1 (in major) <u>BIOL 433</u>	Course 2 (in major) _____ (may choose BIOL 431, 432 or 434)
	Course 3 (outside of major) _____ (outside major)
American Institutions Requirements: US History _____ (Choose from HIST 270, 271, 272, 275 or 350)	State and Local Gov't _____ (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: _____ _____	