



# Bachelor of Science BIOLOGY

## Advisement Form 2010-2011

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	4						Prereq: CHEM 105 or 121; GE: B2
<b>Required Supporting Courses</b>							
<b>Chemistry (16 units)</b>							
<i>A year-long organic chemistry sequence with lab taken at a community college may be accepted in lieu of CHEM 311, 312, 314 &amp; 315.</i>							
CHEM 121 General Chemistry I	4						Prereq: Passing score on CHEM placement exam or CHEM 105; GE: B1
CHEM 122 General Chemistry II	4						Prereq: CHEM 121 with a C or better; GE: B1
CHEM 311 Organic Chemistry I	3						Prereq: CHEM 122 with a C or better
CHEM 312 Organic Chemistry I Lab	1						Prereq: CHEM 311 ( <i>or taken concurrently</i> ) with a C or better
CHEM 314 Organic Chemistry II	3						Prereq: CHEM 311 with a C or better
CHEM 315 Organic Chemistry II Lab	1						Prereq: CHEM 311, 312, & 314 ( <i>or taken concurrently</i> ) with grades of C or better
<b>Physics (8 units) Select <u>one</u> of the following combinations:</b>							
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
<b>Statistics and Mathematics (7 units)</b>							
BIOL 203 Quantitative Methods for Biology	3						Prereq: Passing score on the ELM or MATH 105 or equivalent; GE: B3, B4
MATH 150 Calculus I	4						Prereq: Passing score on the Calculus Placement Exam or MATH 105; GE: B3
<b>Upper Division Requirements in the Major (39 units)</b>							
<b>Required Biology Courses (25 Units)</b>							
BIOL 300 Cell Biology	4						Prereq: BIOL 201 with a C or better & CHEM 122
BIOL 302 Genetics	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
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, UDIGE
BIOL 499 Senior Capstone in Biology	3						Prereq: Consent of instructor

Upper Division Major Requirements, cont.	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
<b>Electives in Biology (14 units)</b> <i>Select at least 14 units from 300 and 400 level biology courses, one of which must be a lab course. (Biology courses numbered from 326 to 345 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.</i>							

**Additional University Graduation Requirements**

<p><b>9 Units Upper Division Interdisciplinary GE (UDIGE) at CSUCI (courses numbered 330-349 or 430-449)</b>  <i>Upper division standing or instructor consent required for these courses</i></p>		
Course 1 (in major) <u>BIOL 433</u>	Course 2 _____ (may choose BIOL 431, 432 or 434)	Course 3 (outside of major) _____ (outside major)
<b>American Institutions Requirements:</b> US History _____ (choose from HIST 270, 271, 272, 275 or 350)		State and Local Gov't _____ (choose POLS 150)
<p><i>Students must receive a grade of C or better in the Language and Multicultural Requirements</i></p>		
<b>Language Requirement:</b> GE C3a _____ (one semester of college level language)		
<b>Multicultural Requirement:</b> GE C3b _____		
<p><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></p>		
Advisor Comments: _____ _____		