



Bachelor of Arts

BIOLOGY: Pre-Professional Studies Emphasis

Advisement Form 2009-2010

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 (27-28 units)							
Chemistry (16 units) <i>A year-long organic chemistry sequence with laboratory taken at a community college may be accepted in lieu of CHEM 311, 312, 314, and 315.</i>							
CHEM 121 General Chemistry I <i>Must receive a C or better</i>	4						Prereq: Passing score on the Chemistry Placement Exam or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive a C or better</i>	4						Prereq: CHEM 121 with a C or better; GE: B1
CHEM 311 Organic Chemistry I <i>Must receive a C or better</i>	3						Prereq: CHEM 122 with a C or better
CHEM 312 Organic Chemistry I Lab <i>Must receive a C or better</i>	1						Prereq: CHEM 311 with a C or better (or taken concurrently)
CHEM 314 Organic Chemistry II <i>Must receive a C or better</i>	3						Prereq: CHEM 311 with a C or better
CHEM 315 Organic Chemistry II Lab	1						Prereq: CHEM 311, 312, & 314 with C's or better (or taken concurrently)
Statistics, Mathematics and Computer Applications (3-4 units) <i>Select one of the following:</i> (Check with professional schools or pre-professional advisor for specific requirements in this category)							
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score 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
Physics (8 units)							
PHYS 100 Introduction to Physics I	4						GE: B1
PHYS 101 Introduction to Physics II	4						Prereq: PHYS 100; GE: B1
Upper Division Major Requirements (31-33 units)							
Biology (21-22 Units)							
BIOL 300 Cell Biology <i>Must receive a C or better</i>	4						Prereq: BIOL 201 with a C or better and CHEM 122
BIOL 302 Genetics <i>Must receive a C or better</i>	4						Prereq: BIOL 201 with a C or better and CHEM 122
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 499 Senior Capstone in Biology	3						Prereq: Consent of instructor
BIOL 303 Evolutionary Biology (or)	3						Prereq: BIOL 200, & 201
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, INTD

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Electives in Biology (10-11 units) <i>Select at least 10-11 units from 300 and 400 level biology courses, one of which must be a lab course. (Biology courses numbered 326 to 345 are <u>not</u> counted towards the 10-11 units of electives). No more than <u>two</u> units taken from BIOL 492, 494, 497 may count towards the 10-11 units of electives.</i>							

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449)	
Course 1 _____ (may choose BIOL 431, 432 or 433)	Course 2 _____ (outside major)
Course 3 _____	
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: _____ _____	