



# Bachelor of Arts

## BIOLOGY: Subject Matter Preparation in Teaching Biology Emphasis

(Pending CCTC Approval)

**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
<b>Required Supporting Courses (34 units)</b>							
<b>Education (3 units)</b>							
EDUC 330 Introduction to Secondary Schooling	3						GE: D, INTD
<b>Statistics and Mathematics (7 units)</b>							
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score entry ELM or MATH 105 or equivalent; GE: B3, B4
<i>Select <u>one</u> of the following:</i>							
MATH 105 Pre-Calculus	4						Prereq: A passing ELM score
MATH 150 Calculus I	4						Prereq: A passing score on the Calculus Placement Exam or MATH 105; GE: B3
<b>Physical Sciences (24 units)</b>							
ASTRO/PHYS 105 Introduction to Solar System	4						GE: B1
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
GEOL 121 Physical Geology	4						GE: B1
PHYS 100 Introduction to Physics I	4						GE: B1
PHYS 101 Introduction to Physics II	4						Prereq: PHYS 100; GE: B1
<b>Upper Division Major Requirements (36 units)</b>							
<b>Biology (24 units)</b>							
BIOL 300 Cell Biology	4						Prereq: BIOL 201 with a C or better and CHEM 122
BIOL 302 Genetics	4						Prereq: BIOL 201 with a C or better and CHEM 122
BIOL 303 Evolutionary Biology	3						Prereq: BIOL 200, 201
BIOL 304 Comparative Animal Physiology	3						Prereq: BIOL 200, 201
BIOL 335 The Biosphere	3						GE: B2, INTD
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, INTD
BIOL 499 Senior Capstone in Biology	3						Prereq: Consent of instructor

	Un.	Instit.	Course	Units	Grade	Term	Prerequisites, GE & Comments
<b>Electives in Biology (12 units)</b> <i>Select a minimum of 12 units of biology courses from 300 and 400 levels, one of which be a lab course. (Biology courses numbered from 326 to 345, with the exception of BIOL 335 for this emphasis are counted toward GE credits only and they are <u>not</u> counted towards the 12 units of electives). No more than <u>two</u> units taken from BIOL 492, 494, 497 can count towards the twelve units of electives.</i>							

**Additional University Graduation Requirements**

<b>9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449)</b>		
Course 1 (in major) <u>BIOL 335</u>	Course 2 <u>BIOL 433</u> (in major)	Course 3 <u>EDUC 330</u> (outside major)
<b>American Institutions Requirements:</b> US History _____ <small>(choose from HIST 270, 271, 272, 275 or 350)</small>		State and Local Gov't _____ <small>(choose POLS 150)</small>
<i>Students must receive a grade of C or better in the language and Multicultural Requirements</i>		
<b>Language Requirement:</b> GE C3a _____ <small>(one semester of college level language)</small>		
<b>Multicultural Requirement:</b> 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: _____		
_____		

<b>PREREQUISITES FOR THE ENGLISH SINGLE SUBJECT TEACHING CREDENTIAL AT CSUCI ONLY:</b>	
These courses may be taken as part of undergraduate work or after graduation, but must be completed prior to Single Subject coursework at CSUCI.	
*Field Experience (need 45 hours in 7 <sup>th</sup> -12 <sup>th</sup> grade classroom):	EDUC 521 (30 hours) _____ Other _____
*ENGL 475 Language in a Social Context (3):	<u>Included in English Education Pre-credential major</u>
*SPED 345 Individuals with Disabilities in Society (3):	_____
*EDUC 512 Equity, Diversity and Foundations of Schooling (3) (GE: C3b):	_____
*EDUC 520 Observing and Guiding Behavior in Multilingual/Multicultural and Inclusive Classrooms (3) (co-requisite EDUC 521):	_____
*EDUC 521 Field Experience (1) (co-requisite EDUC 520):	_____
For additional questions about the credential program, please contact the Credential Office at 805-437-8953 or <a href="mailto:credential.assistant@csuci.edu">credential.assistant@csuci.edu</a>	