



Bachelor of Arts

BIOLOGY: Subject Matter Preparation in Teaching Biology Emphasis

(Pending CCTC Approval)

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
Required Supporting Courses (34 units)							
Education (3 units)							
EDUC 330 Introduction to Secondary Schooling	3						GE: D, UDIGE
Mathematics and Statistics (7 units)							
BIOL 203 Quantitative Methods for Biology	3						Prereq: A passing score entry ELM or MATH 105 or equivalent; GE: B3, B4
MATH 105 Pre-Calculus (or) MATH 150 Calculus I	4						Prereq: A passing ELM score; GE: B3 Prereq: A passing score on the Calculus Placement Exam or MATH 105; GE: B3
Physical Sciences (24 units)							
ASTR/PHYS 105 Introduction to Solar System	4						GE: B1
CHEM 121 General Chemistry I	4						Prereq: Passing score on Chemistry Placement Exam or CHEM 105; GE: B1
CHEM 122 General Chemistry II	4						Prereq: CHEM 121 with a C or better; 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
Upper Division Requirements in the Major (36 units)							
Required Biology Courses (24 units)							
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 335 The Biosphere	3						GE: B2, UDIGE
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, UDIGE
BIOL 499 Senior Capstone in Biology	3						Prereq: Consent of instructor

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Electives in Biology (12 units) <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, are <u>not</u> counted towards the 12 units of electives). No more than two units taken from BIOL 492, 494, 497 can count towards the twelve units of electives.</i>							

Additional University Graduation Requirements

9 Units Upper Division Interdisciplinary GE (UDIGE) at CSUCI (courses numbered 330-349 or 430-449)

Upper division standing or instructor consent required for these courses

Course 1 (in major) BIOL 335 Course 2 (in major) BIOL 433 Course 3 (outside major) _____
 (EDUC 330 may not count)

American Institutions Requirements: US History _____ State and Local Gov't _____
 (choose from HIST 270, 271, 272, 275 or 350) (choose POLS 150)

Students must receive a grade of C or better in the Language and Multicultural Requirements

Language Requirement: GE C3a _____
 (one semester of college level language)

Multicultural Requirement: GE C3b _____

Minimum total units to graduate: 120 of which 40 must be upper division. Please see catalog for a complete list of graduation requirements.

Advisor _____ Date Completed: _____

Advisor Comments: _____

PREREQUISITES FOR THE BIOLOGY SINGLE SUBJECT TEACHING CREDENTIAL AT CSUCI ONLY:

CSUCI credential program requires prerequisite courses that may be taken as part of the undergraduate degree. Please contact the Credential Office (805-437-8953, credential.assistant@csuci.edu) for a list of the required prerequisites and any question you may have regarding the credential program. It is recommended that you contact the credential office during your junior year.