



Bachelor of Arts

BIOLOGY: Subject Matter Preparation in Teaching Biology Emphasis

(Pending CCTC Approval)

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 (34 units) | | | | | | | |
| Education (3 units) | | | | | | | |
| EDUC 330 Introduction to Secondary Schooling | 3 | | | | | | GE: D, INTD; Offered fall semester only |
| 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 <i>(or)</i> 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 <i>Must receive a C or better</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 Major Requirements (36 units) | | | | | | | |
| Biology (24 units) | | | | | | | |
| 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 |

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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> | | | | | | | |
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Additional University Graduation Requirements

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|---|-------------------------------------|-----------------------------|-----------------|
| 9 Units Upper Division Interdisciplinary GE at CSUCI (courses numbered 330-349 or 430-449) | | | |
| Course 1 (in major) <u>BIOL 335</u> | Course 2 (in major) <u>BIOL 433</u> | Course 3 <u>EDUC 330</u> | (outside major) |
| American Institutions Requirements: US History _____ | | State and Local Gov't _____ | |
| (choose from HIST 270, 271, 272, 275 or 350) | | (choose POLS 150) | |
| <i><u>Students must receive a grade of C or better in the Language and Multicultural Requirements</u></i> | | | |
| Language Requirement: GE C3a _____ | | | |
| (one semester of college level language) | | | |
| Multicultural Requirement: GE C3b _____ | | | |
| <i><u>Minimum total units to graduate: 120 of which 40 must be upper division. Please see catalog for a complete list of graduation requirements.</u></i> | | | |
| 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.