



California State University Channel Islands

# Bachelor of Science

## ENVIRONMENTAL SCIENCE AND RESOURCE MANAGEMENT: Resource Management Emphasis

### Advisement Form 2009-2010

Name \_\_\_\_\_ ID \_\_\_\_\_

Lower Division Requirements (37-39 units)		Instit.	Course	Units	Grade	Term	Prerequisites, GE and 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
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
ECON 110 Principles of Microeconomics	3						GE: D
ECON 111 Principles of Macroeconomics	3						GE: D
ESRM 100 Introduction to Environmental Science and Resource Management	3						GE: B2, D
ESRM 200 Principles of Resource Management, Conservation, and Stewardship	3						Prereq: ESRM 100 & BIOL 200
GEOL 121 Physical Geology <i>(or)</i>	4						GE: B1
GEOL 122 Historical Geology	3						
MATH 140 Calculus for Business Applications  <i>(or)</i>	3						Prereq (MATH 140): Passing score on Calculus Placement Exam or MATH 101 or 105; GE: B3 Prereq (MATH 150): Passing score on the Calculus Placement Exam or MATH 105; GE: B3.
MATH 150 Calculus I	4						
<i>NOTE: Although not required, Math 151 Calculus II is highly recommended for this major</i>							
<i>Select one of the following:</i>							
BIOL 203 Quantitative Methods for Biology	3						Prereq: Passing score on ELM Exam or MATH 105 or equivalent; GE: B3, B4
MATH/PSY 202 Biostatistics	3						Prereq: Passing score on ELM Exam or MATH 105 or equivalent; GE: B3
MATH 329 Statistics for Business and Economics	3						GE: B3
<b>Upper Division Core Courses (27 units)</b>							
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2, INTD
ECON 362 Environmental Economics	3						Prereq: ECON 110 & 111 or 300
ENGL 337 Literature of the Environment	3						GE: C2, D, INTD
ESRM/BIOL 313 Conservation Biology	4						Prereq: BIOL 200
ESRM 328 Introduction to Geographic Information Systems	3						Prereq: ESRM 100 or consent of instructor; GE: B4
ESRM 329 Environmental Law and Policy	3						Prereq: ESRM 100 or consent of instructor
ESRM/HIST 342 Environmental History	3						GE: D, INTD
ESRM 491 Capstone Preparation	1						Prereq: Senior standing
ESRM 499 Capstone	3						Prereq: Upper division required courses (may be taken concurrently)

<b>Emphasis Requirements (16 units)</b>	<b>Un.</b>	<b>Instit.</b>	<b>Course</b>	<b>Units</b>	<b>Grade</b>	<b>Term</b>	<b>Prerequisites, GE and Comments</b>
ESRM 462 Coastal and Marine Management	4						Prereq: BIOL 433, ESRM 200, & 329
ESRM 463 Water Resources Management	4						Prereq: BIOL 433, ESRM 200, & 329
ESRM 464 Land Use Planning and Open Space Management	4						Prereq: BIOL 433, ESRM 200, & 329
<i>Select <u>four</u> units from the following courses:</i>							
BIOL 450 Ichthyology: The Biology of Fishes	4						Prereq: BIOL 200
BIOL 451 Ornithology	4						Prereq: BIOL 200 & 201
ECON 464 Natural Resource Economics	3						Prereq: ECON 310 or 329
ECON 480 Topics in Environmental and Natural Resource Economics	3						Prereq: ECON 362 or 464 or consent of instructor; Repeatable by topic
ECON 488 Applied Managerial Econometrics	4						Prereq: MATH 202 or 329 or 352, ECON 310 or 329, & MATH 150
ENGL 482 Technical Writing	3						Prereq: ENGL 330
ENGL 483 Technical Visual Communication	3						
ESRM/ANTH 332 Human Ecology	3						GE: D, INTD
ESRM 352 Theory and Practice of Ecological Restoration	3						
ESRM 410 Environmental Impact Assessment	3						Prereq: BIOL 433, ECON 362, ESRM 328, & 329
ESRM 428 Intermediate Geographic Information Systems	3						Prereq: ESRM 328
ESRM 482 Issues in Environmental Planning and Resource Management	3						Prereq: BIOL 433, ECON 362, & ESRM 329
ESRM 483 Issues in Global Resource Management	3						Prereq: BIOL 433, ECON 362, & ESRM 329
ESRM 490 Special Topics	3						Prereq: Consent of Instructor; Repeatable.
ESRM 492 Service Learning/Internship	3						Prereq: Consent of instructor; Graded CR/NC; Repeatable.
ESRM 494 Independent Research	1-3						Prereq: Consent of instructor; Graded CR/NC; Repeatable.
MATH 430 Research Design and Data Analysis	3						Prereq: MATH 202 with a C or better or MATH 352; GE: A3, B3, INTD
MGT 307 Management of Organizations	3						
MGT 428 Contract Management	3						Prereq: MGT 307

### Additional University Graduation Requirements

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

Course 1 (in major) BIOL 433      Course 2 (in major) ENGL 337      Course 3 \_\_\_\_\_  
 (outside major)

**American Institutions Requirements:** US History \_\_\_\_\_ State and Local Gov't \_\_\_\_\_  
 (choose 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: \_\_\_\_\_