



California State University Channel Islands

Bachelor of Science

ENVIRONMENTAL SCIENCE & RESOURCE MANAGEMENT

Resource Management Emphasis

Advisement Form 2007-2008

Name _____ ID _____

The ESRM degree consists of 80-82 units. 120 minimum units are required for graduation.

Lower Division Requirements (37-39 units)		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 grade of C or better</i>	4						Prereq: CHEM 105 or 121; GE: B2
CHEM 121 General Chemistry I <i>Must receive grade of C or better</i>	4						Prereq: 1 year high school chemistry or CHEM 105; GE: B1
CHEM 122 General Chemistry II <i>Must receive grade of C or better</i>	4						Prereq: CHEM 121 with grade of 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 Mgt, Conservation, and Stewardship	3						Prereq: ESRM 100 and BIOL 200
GEOL 121 Physical Geology OR GEOL 122 Historical Geology	4 <i>or</i> 3						GE: B1
MATH 140 Calculus for Business Applications OR MATH 150 Calculus I	3 <i>or</i> 4						<u>MATH 140 Prereq:</u> Passing score on Calculus Placement Exam or MATH 101 or 105; GE: B3. <u>MATH 150 Prereq:</u> Passing score on the Calculus Placement Exam or MATH 105; GE: B3.
<i>NOTE: Although not required, Math 151 Calculus II is highly recommended for this major</i>							
MATH/PSY 202 Biostatistics OR MATH 329 Statistics for Business and Economics OR BIOL 203 Quantitative Methods for Biology	3						<u>MATH/PSY 202 Prereq:</u> Passing score on ELM Exam or MATH 105 or equivalent; GE: B3 <u>MATH 329:</u> GE: B3 <u>BIOL 203 Prereq:</u> Passing score on ELM Exam or MATH 105 or equivalent; GE: B3
Upper Division Requirements (43 units)							
Major Courses (27 units)							
BIOL 433 Ecology and the Environment	4						Prereq: BIOL 200; GE: B2 & INTD
ECON 362 Environmental Economics	3						Prereq: ECON 110 and 111, or ECON 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 Geographical Information Systems	3						Prereq: ESRM 100 or consent of instructor
ESRM 329 Environmental Law and Policy	3						Prereq: ESRM 100 or consent of instructor
ESRM/HIST 342 Environmental History	3						GE: D and INTD
ESRM 491 Capstone Preparation	1						Prereq: Senior standing.
ESRM 499 Capstone	3						Prereq: Upper division required courses in the ESRM major (may be taken concurrently)

		Instit.	Course	Units	Grade	Term	Prerequisites, GE & comments
Emphasis Requirements (16 units)							
ESRM 462 Coastal and Marine Management	4						Prereq: BIOL 433, ESRM 200, ESRM 329
ESRM 463 Water Resources Management	4						Prereq: BIOL 433, ESRM 200, ESRM 329
ESRM 464 Land Use Planning and Open Space Management	4						Prereq: BIOL 433, ESRM 200, ESRM 329
<i>Select 4 units from the following courses:</i>							
BIOL 450 Ichthyology: The Biology of Fishes	4						Prereq: BIOL 200
BIOL 451 Ornithology	4						Prereq: BIOL 200 and 201
ECON 464 Natural Resources 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 the instructor
ECON 488 Applied Managerial Econometrics	4						Prereq: MATH/PSY 202 or MATH 329 or 352, (ECON 310 or 329) and MATH 150
ENGL 482 Technical Writing	3						Prereq: ENGL 330
ENGL 483 Technical Visual Communication	3						
ESRM/ANTH 332 Human Ecology	3						GE: D and INTD
ESRM 352 Theory and Practice of Ecological Restoration	3						
ESRM 410 Environmental Impact Assessment	3						Prereq: BIOL 433, ECON 362, ESRM 328 and 329
ESRM 482 Issues in Environmental Planning and Resource Management	3						Prereq: BIOL 433, ECON 362 and ESRM 329
ESRM 483 Issues in Global Resource Management	3						Prereq: BIOL 433, ECON 362 and ESRM 329
ESRM 490 Special Topics	3						Prereq: Consent of Instructor
ESRM 492 Service Learning/Internship	3						Prereq: Consent of instructor
ESRM 494 Independent Research	1-3						Prereq: Consent of instructor
MATH 430 Research Design and Data Analysis	3						Prereq: MATH/PSY 202 with a grade of C or better or MATH 352; GE: B2, B3 and 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 of major) _____
 (Choose from GE A-E)

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

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: _____
