

# ENVIRONMENTAL RESOURCE MANAGEMENT

## Program in Environmental Resource Management

### School of Business and Public Administration

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Environmental Resource Management is an interdisciplinary major administered by the Dean of the School of Business and Public Administration. The major is a program of study that includes coursework in the following areas: (1) physical and life sciences relating to natural resource use; (2) the legal aspects of resource ownership and use; (3) the economic and political aspects of resource allocation and environmental protection; and (4) safety and environmental health concerns associated with resource use. The program also includes basic skills courses in areas such as communications, computers, statistics, and management.

The ERM major is of sufficient breadth to prepare graduates for entry into a wide range of careers relating to the use, management, and protection of environmental assets. These careers are in areas such as resource analysis and planning, occupational safety, environmental health, compliance, technical and environmental staff support, permitting, and real estate development. Graduates typically find employment in both the private and public sectors. Public agencies such as the Bureau of Land Management (BLM) and the United States Forest Service (USFS) typically hire individuals with skills provided within the program.

The program also requires a concentration (typically four courses), which further enhances the student experience. The concentration also gives students an opportunity to specialize in select areas. Concentrations can include Forestry, Environmental Health, Land Use Policy and Planning and Occupational Safety and Health. Distant students can complete the Bachelor's Degree on-line from anywhere in the United States through the Internet. In support of its commitment to community health and workplace safety, Aera Energy LLC has endowed the concentration in occupational health and safety management, a field with good internship and career opportunities. Internships are recommended for all concentrations.

## Requirements for the Bachelor of Science in Environmental Resource Management

<b>Total Units Required to Graduate</b>	<b>120 units</b>
<b>Major Requirements*</b>	<b>64-69 units</b>
Concentration Requirements	12
<b>General Education Requirements</b>	<b>12 units</b>
First-Year Seminar	2
LD Area A Foundational Skills	9*
LD Area B Natural Sciences	0*
LD Area C Arts and Humanities	6
LD Area D Social and Behavioral Sciences	3*
American Institutions	6
SELF	0*
Junior Year Diversity Requirement	3
UD Thematic Areas B and C	3*
Capstone	0
GWAR (Exam) or Class	0*
<b>Additional Units</b>	<b>7-12 units</b>

\*Some GE requirements are included in the major

**Note:** One (1) semester unit of credit normally represents 50 minutes of in-class work and 2-3 hours of outside study.

## Requirements for the Major in Environmental Resource Management—General Track (76 units)

1. **Skills: Statistics, Management, and Communication** (4 courses)  
MATH 1209, COMM 3008, MGMT 4300, PPA 4650
2. **Life Science** (2 courses)  
BIOL 1039, 2230
3. **Physical Science** (6 courses)  
CHEM 1000, 1100, 2300, GEOL 2010, SCI 3329, 3619
4. **Economic and Policy Analysis** (5 courses)  
ECON 2018, 3200, 3508, 3550, PPA 3408
5. **Law and Compliance** (4 courses)  
ERM 2900, 4110, INST 4200, PPA 4750
6. **Capstone** (1 course)  
ERM 4908
7. **Concentration** (4 Courses)

A minimum of 12 units, approved by the Program Director, are required for a concentration. The courses must either enhance skills acquired through the program, or must add to the body of knowledge within the program. They must also relate to the broader environmental field. For instance, a four-course sequence in Geographical Information Systems (GIS) from an approved institution would enhance program skills. A four-course sequence in Biology, Chemistry, Geology, etc. would be considered to add to the program's body of knowledge. Note: The concentration can be completed at Bakersfield College or taken as part of another approved community college program. Courses in the concentration cannot be double counted as courses in the major.

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## Requirements for the Major in Environmental Resource Management–Safety Track (81 units)

1. **Skills: Statistics, Management, and Communication** (4 courses)  
MATH 1209, COMM 3008, MGMT 4300, PPA 4650
2. **Life Science** (2 courses)  
BIOL 2210, 2220
3. **Physical Science** (8 courses)  
CHEM 1000, 1001, 1100, 2200, 2300, GEOL 2010, SCI 3329, 3619
4. **Economic and Policy Analysis** (5 courses)  
ECON 2018, 3200, 3508, 3550, PPA 3408 or INST 3690
5. **Law and Compliance** (4 courses)  
ERM 2900, 4110, INST 4200, PPA 4750
6. **Capstone** (1 course)  
ERM 4908
7. **Concentration** (12 units)  
**Aera Energy OSHM Concentration** (4 Courses)  
ERM 3010, 3020, 3100, 3200