

Environmental Studies?

- How would you define the term environment?
- How would you define Environmental Studies?
- What experiences have you had with the environment?
- How does the environment impact you?

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Journal Entry #1

What is Environmental Studies?

- Environmental studies utilizes knowledge from the sciences & social sciences
- Integrates knowledge from: biology (ecology), chemistry, meteorology, physics, geography, math, engineering, history, economics, business, ethics, political science and much more!

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Environmental Studies

- But . . . Environmental Studies doesn't belong to any one discipline
- It represents all disciplines (to some degree)
- So it is truly . . . interdisciplinary and inclusive

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Environmental Studies?

- Interdisciplinary study of how humans affect the living & nonliving environment
- It studies how humans & other species interact
- Develops the basic information on which decisions can be made

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What about Environmental Science?

- Environmental science is science-based
- Science is the search for “knowledge” & utilizes methodology
- Integrates knowledge from: biology (botany, zoology, ecology), meteorology, astronomy, chemistry, physics, geography, geology and more!

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Environmental Studies and Sciences

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- Seek to explain environmental problems
- Examines the human impacts & develops alternative solutions
- Both are, fundamentally, problem-solving approaches and seek to find sustainable solutions

(Source: Peter Raven, Environment)

Challenges we face . . .

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- Toxic wastes
- Polluted & degraded ecosystems
- Loss of species
- Pollution
- Human population

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But with every challenge comes opportunity.

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Think about how our society
has integrated environmental
responsibility:

- Recycling
- Species protection
- Pollution prevention
- Land use planning
- Environmental protection
- Environmental education
- Renewable energy
- Sustainable solutions
- Community involvement

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Why select an environmental career?

- Interested in a variety of disciplines
 - *“I can’t decide . . . I am interested in so many subject areas. . .”*
- Love for nature, out-of-doors
- Concerned about our environment
- You want to make a difference
- You think “outside” the box
- Need to get involved!



Your future career options are unlimited. . .
“Green Job Market”

Chief Values Officer	Reforestation Expert
Conservation Biologist	Sustainable Architecture
Industrial Ecologist	Environmental Journalist
Environmental Economist	Environmental Engineer
Environmental Law	Pollution Detection Officer
Water Quality Specialist	
Watershed Manager	
Sustainability Officer	
Environmental Quality Expert	
Environmental Restoration Specialist	
Biodiversity Specialist	
Environmental Systems Manager	
Sustainable Computer Engineer	

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Environmental studies & science education

- Why are students selecting the environmental field for their studies?
- We will ask students over the course of this class. . .

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Environmental studies & science programs

Interest in degrees associated with the environment continue to grow!

Career opportunities associated with environmental protection are available and continue to expand

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Programs and Careers in Environmental Studies

- **Examples of University Programs:**

- CSU Monterey Bay
- Chico State University
- Sonoma State University
- University of California, Santa Cruz
- University of California, Santa Barbara
- Santa Clara University
- Cal Poly, Pomona
- Cal Poly, San Luis Obispo
- San Jose State University
- San Francisco State University
- Hayward State University



- **De Anza College ES Department website:**

<http://EnvironmentalStudies.deanza.fhda.edu/es/>

Public perception of the environment

Why is the study of our environment important to the public?

What is the environmental literacy of the public?

We will ask others to share their views on the environment

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