



Environmental Resource Management & Pollution Prevention

There is **tremendous diversity** in jobs & careers available in Environmental Resource Management & Pollution Prevention – and they are **good, well-paying jobs**, especially if one continues on to earn a Bachelor's degree! So come & do good for the planet (& all of us on it) while getting paid well to do so!



A SAMPLING OF CAREER PATHWAYS:

- **Environmental Compliance Coordinator / Environmental Compliance Inspector**: Ensure that businesses & industry comply with applicable environmental laws & regulations. Coordinators work for the business, while Inspectors work for the government (federal/state/local).
- **Green Business Certifier**: Help businesses reduce their environmental impact & earn green certifications. Note: DeAnza College is certified as a “Green Business” thanks to ERM&P2 students!
- **Sustainability Coordinator**: Coordinate an organization's efforts to reduce their environmental impact and operate in a more sustainable manner.
- **Environmental Impact Assessor**: Assess the environmental impacts of proposed development projects (such as a new manufacturing plant) & investigate ways to reduce or eliminate such impacts.
- **Environmental Site (Property) Assessor**: Assess commercial, industrial, and multi-family residential properties for potential environmental contamination.
- **Environmental Remediation & Restoration Technician**: Aid in development & implementation of plans to clean-up and restore land, buildings & properties having environmental contamination.
- **Pollution Prevention Specialist**: Look to reduce/minimize/eliminate pollution & waste from residential, commercial and industrial sources using the “3 R's” (Reduce/Reuse/Recycle).
- **Environmental Health Officer**: Seek to reduce impacts of environmental hazards (such as pollution & waste, noise & radiation, food & waterborne diseases, vectors, & pesticides) on human health.
- **Industrial Ecologist**: Use the lessons & examples offered by nature to make products & services, manufacturing, and industrial & commercial facilities & operations more efficient & sustainable.
- **Climate Change Specialist**: Monitor sources of greenhouse gas emissions and the associated impacts of climate change and analyze ways to reduce emissions and minimize and adapt to impacts.
- **Indoor Air Quality (IAQ) Specialist**: Identify, assess, and implement measures to address IAQ concerns, such as asbestos, mold, radon, dust, chemical cleaners, & pesticides.
- **Environmental Sampling & Lab Technicians**: Sampling technicians collect air, water, soil, and waste samples which lab technicians then analyze to check for potential contamination levels.

TYPICAL SALARIES & JOB GROWTH: (per Cal. EDD & US Bureau of Labor Statistics)

- **Environmental Technician (associates degree)**: **\$58,739** median salary in Cal. (2019)
12.8% projected growth in jobs in Cal. (2016-2026)
- **Environmental Protection Specialist (bachelors degree)**: **\$88,596** median salary in Cal. (2019)
11.8% projected growth in jobs in Cal. (2016-2026)





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ABOUT THE ERM&P2 MAJOR AT DEANZA:

In this **career-oriented** major, students are trained in the interrelated fields of:

- **Environmental Resource Management** - the sustainable use, management & protection of our fundamental environmental resources – air, water, land, food, climate, & earth-extracted materials.
- **Pollution Control, Prevention and Cleanup**, addressing air, water & land pollution, hazardous waste & hazardous materials, trash & garbage, and climate change.

The training received is **multidisciplinary**, covering the areas of law/regulation, public health, economics, and science and technology, and includes coursework covering a variety of practical management tools that employers look for.

JOB/CAREER PREPARATION:

Upon completion, students are prepared for either:

- **Employment** as an entry-level environmental management/ pollution prevention specialist in a wide range of possible positions and settings, including working for business/industry, local/state/federal government agencies, environmental non-profit organizations, and environmental consulting firms.
- **Transfer** to a four-year degree program in Environmental Studies or Science or a related major.

CAREER PATHWAYS, TYPICAL SALARIES & EXPECTED JOB GROWTH

See reverse side

CORE COURSES (2023-24): (Note: All are currently offered 100% online.)

ES 50 Intro to Environmental Resource Mgmt & Pollution Prevention (4 units)

ES 6 Intro to Environmental Law (4 units)

ES 56 Intro to Environmental Health (4 units)

ES 58 Intro to Green Building (1 unit)

ES 61A Env Resource Mgmt & Pollution Prevention: Air, Water, & Land (4 units)

ES 61B Env Resource Mgmt & Pollution Prevention: Energy, Chemicals, & Waste (4 units)

ES 61L Env Resource Mgmt & Pollution Prevention Laboratory (1 unit)

ES 62A Env Mgmt Tools: Env Mgmt Systems & Env Performance Reporting (4 units)

ES 62B Env Mgmt Tools: CEQA & Env Impact Reports (EIRs) (4 units)

ES 62C Env Mgmt Tools: Env Site Assessments (ESAs) (4 units)

ES 62D Env Mgmt Tools: Industrial Ecology & Sustainable Design Principles (4 units)

ES 63 Global Environmental Policy (1 unit)

ES 64 Climate Change Mitigation & Adaptation in California (4 units)

FOR FURTHER INFO:

- Visit the ES Dept at www.deanza.edu/es & click on the ERM&P2 Program link provided there.
- Contact Prof. **Bill Roeder** Program Coordinator roederwilliam@fhda.edu