prevention (reducing or eliminating pollution/waste at its source through use of the "three R's": Reduce-Reuse-Recycle), and efficient/sustainable use of natural resources (air, water, land, etc.). Includes overviews of: 1) U.S. and California environmental laws, regulations, and policies, 2) Environmental health issues, 3) Pollution control technologies, 4) Pollution prevention approaches and techniques (Life Cycle Assessment, Design for the Environment, Product Stewardship, Green Building, Green Chemistry, Energy Management, Water Conservation, etc.) and 4) Environmental resource management tools, including Environmental Management Systems (such as ISO 14001) and Sustainability Management Plans.

FOR MORE INFORMATION
Visit the Environmental Studies Dept website (at www.deanza.edu/es) and click on the ERM&P2 Program link provided there for further information, including Course Descriptions & Certificate & Degree “Spec Sheets” that list program course requirements.

You can also contact Jeff Staudinger, the ERM&P2 Program Coordinator & Lead Instructor, at:

staudingerjeff@deanza.edu
408-864-5318

Thanks for your interest in ERM&P2!

Certificate & Degree Program in:

Environmental Resource Management & Pollution Prevention

Environmental Studies Dept
DeAnza College
2015-16

Meeting the needs of the present without compromising the ability of future generations to meet their own needs.
ABOUT THE ERM&P2 MAJOR
In this career-oriented program, students are trained in the interrelated fields of **Environmental Resource Management** (sustainable multiple-use management of our fundamental environmental resources – air, water, land, food and extracted materials including timber, energy resources, and minerals/mined materials) and **Pollution Control, Prevention and Cleanup**. 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.

CERTIFICATES & DEGREES OFFERED
Two certificates are offered:
- **Certificate of Achievement** (COA): 20 units
- **Certificate of Achievement-Advanced** (COAA): 28 units

Certificates can be completed within one academic year and are especially attractive to those students currently in the workforce who are either seeking to enhance their existing skill set or are looking to make a career change.

In addition, an **AA degree** (90 units) is offered. Students can use the degree to transfer to 4-year colleges offering Environmental Studies-related degrees (SJSU, SFSU, Sonoma State, etc.). An AA degree can be completed in 2 academic years of full-time study.

JOB/CAREER PREPARATION
Students are prepared for employment as entry-level environmental management/pollution prevention specialists in a wide range of positions and settings, including working for business/industry, local/state/federal government agencies, environmental non-profit organizations, or environmental consulting firms.

CORE COURSE OFFERINGS
- ES 50  Intro to Env Resource Mgmt & Pollution Prevention (2 units)
- ES 6   Intro to Env Law (4 units)
- ES 56  Intro to Env Health (4 units)
- ES 61A Env Resource Mgmt & Pollution Prevention: Air, Water, & Land (3 units)
- ES 61B Env Resource Mgmt & Pollution Prevention: Energy, Chemicals, & Waste (3 units)
- ES 62A Env Mgmt Tools: Env Mgmt Systems (EMS) & Env Performance Metrics (2 units)
- ES 62B Env Mgmt Tools: CEQA & Env Impact Reports (EIRs) (2 units)
- ES 62C Env Mgmt Tools: Env Site Assessments (ESAs) (2 units)
- ES 62D Env Mgmt Tools: Industrial Ecology & Sustainable Design Principles (2 units)

Want to “test out” the major? – Sign up for ES 50, the intro course

KEY ELECTIVES OFFERED
- ES 58  Intro to Green Building (1 unit)
- ES 63  Agenda 21: Blueprint for Sustainability (1 unit)
- ES 64  AB 32 (CA Global Warming Solutions Act of 2006) (1 unit)
- ES 65  Env Stewardship (1 unit)
- ES 66  Env Leadership (1 unit)
- ES 67  Env Team-Building (1 unit)
- ES 68  Community-Based Coalitions & Stakeholders (1 unit)
- ES 70  Intro to Energy Mgmt Technology (1 unit)
- ES 79  Renewable & Alternative Energy Systems (1 unit)

ONLINE COURSE OFFERINGS
Nearly all of the Core Course offerings (and the majority of the Key Electives) are currently offered online, with plans in place to offer all ERM&P2 courses online starting in the 2016-17 academic year.

COURSE SCHEDULING
All ERM&P2 courses are offered at least once per academic year.

ES 50 (INTRO TO ERM&P2)

COURSE DESCRIPTION
An introduction to the field of Environmental Resource Management and Pollution Prevention, surveying the areas of environmental law, policy, and regulation, environmental health, pollution control (treating or capturing pollution/waste at its source prior to release into the environment), pollution...