

This path will help you prepare
for jobs or careers like:

Environmental Engineers & Chemists

Nature and Wetlands Scientists

GIS Technicians

Earth sciences / Geologists

Environmental Policy and Law

Wildlife Conservation

Environmental Planning

Sustainable Energy Analyst

Energy Engineer

Environmental Education

Water Treatment and Operations

Environmental Program and Project

Management, etc.

Environmental Sampling Assistant

Hazardous Material Removal

Environmental Engineering Aide

Environmental Apprentice

Environmental Engineering Technician

Environmental Planner Assistant

Environmental Sampling Technician

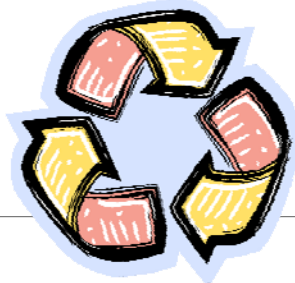
Journeyman Environmental Engineer

Survey-Mapping Technician

Environmental Engineer

Environmental Planner

Survey-Mapping Engineer



Valencia High School

Environmental Studies
Pathway

Career Pathway:
Mrs. Feeder



Valencia High School

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Valencia, California 91355

Phone: 661-294-1188

Valencia High School

Environmental Studies

Valencia High School
Environmental
Studies
Pathway



California Pathway:

Environmental and Natural Science Engineering
Energy and Environmental Technology
Residential and Commercial Energy and Utilities
Forestry and Natural Resources

Environmental Studies

Valencia High School

Prerequisites:

An excellent option for any interested student who has completed two years of high school laboratory science—one year of life science with a “B” or better and one year of physical science with a “C” or better. Due to the quantitative analysis that is required, students should also have taken at least one year of algebra.

AP Environmental Science:

Advanced Placement Environmental Science is designed to be the equivalent of a one-semester, introductory college course in environmental science. The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. This course is an excellent option for any interested student who has completed two years of high school laboratory science—one year of life science and one year of physical science (for example, a year of biology and a year of chemistry). Due to the quantitative analysis that is required in the course, students should also have taken at least one year of algebra. Also desirable, but not necessary, is a course in earth science. Because of the prerequisites, AP Environmental Science will usually be taken in either the junior or senior year.

Required Classes

- ◆ AP Environmental Science
- ◆ Chemistry A/B or Honors Chemistry A/B
- ◆ Career Exploration Project
(Must be Related to Environmental Studies)

Optional Classes

- ◆ Microbiology & Molecular Genetics
- ◆ Physics
- ◆ Anatomy & Physiology
- ◆ Honors Biology or AP Biology
- ◆ Material Science
- ◆ Marine Studies/Oceanography
- ◆ Meteorology/Astronomy
- ◆ Mock Trial
- ◆ AP Human Geography
- ◆ AP US Government

ROP's:

- ◆ Wild land Fire Fighting
- ◆ Exploring Engineering Technology (EET)
- ◆ Animal Care & Services (Advanced)

Career Exploration Project:

Seniors have a unique opportunity to demonstrate and apply twelve years of education; they become explorers, creators, risk takers, decision makers, independent learners, and leaders. All components of this project are linked to a topic of personal interest, which furthers a student's opportunity to explore career opportunities. The project will demonstrate a learning stretch on the part of the student. The project requires a minimum of 45 hours from the student in which they job shadow, volunteer in the community or learn a new skill. The student will identify and collaborate with a community mentor in the development of their project, which will help enable the students to make an informed future career choice.

