

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 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.

