



Conservation & Environmental Studies

Description

Conservation and Environmental Studies explores the complex relationships between living organisms and their environments on a macro scale, integrating ecology, evolution, climate science, and species identification. Students will analyze ecosystems, biodiversity, and conservation strategies while studying the impact of climate change on habitats and species distribution. Through fieldwork, data analysis, and scientific modeling, they will develop skills to assess environmental challenges and propose sustainable solutions. This interdisciplinary pathway emphasizes critical thinking, quantitative reasoning, and scientific research to prepare students for careers in environmental science, ecology, and conservation biology. By examining the dynamic interactions between organisms and their surroundings, students will gain a deep understanding of the factors shaping Earth's diverse ecosystems.

Post-High Plan

Jobs and Careers

Ecologist
Environmental Planner
Climate Change Analyst
Sustainability Consultant
Environmental Educator
Policy Research
Forester
Conservation Biologist
GIS/Land Use Planner

Two-Year Programs

TCC - Environmental Studies

UWT & UW - Environmental Science

Colorado Mountain College - Environmental Studies

Portland Community College - Environmental Studies

Bellevue College - Environmental Sciences

WSU - so many options

Four-Year Programs

UWT - Environmental Studies or Environmental Sciences

Western Washington University - Environmental Studies or Environmental Sciences
Oregon State University - tons of different options

Claremont Colleges - oldest Environmental Studies programs in the nation

UC Riverside - Environmental Science or Environmental and Environmental Health Engineering or Environmental Toxicology

Personalized Pathway Progression

Foundations	Explorations	Pathway Electives
AP Environmental Sciences	AP Biology	Leadership/Kinder Field Trip
Outdoor Education	ENG 105 Sci Lit	Environmental Bio
Agriculture, Food, and Natural Resources	Chemistry	Marine Tech or other applied math
Zoo Conservation	Statistics	Marine Biology
	Natural Resources & Ecology	Vet Science
	Illustration (Botanical)	

Connect and Go Deeper



Leadership Opportunities
AEM Movement Internship, Forces of Nature Club, Washington Conservation Corps/Youth Corps, Pierce Conservation District, SAMi FFA, SAMi Junior MANRRS, SAMi Gardening Club, PDZA Community Science Volunteering



Next Move Internship Opportunities
PDZA Internships, AEM Movement, WDNR



Miniterm and A&A Opportunities
Dino Zoo, Conservation Corps, Photo Ark, Art for Conservation

Real World Experience

What skills and abilities do I need to be successful?

- conservation/sustainability mindset
- "getting your hands dirty"
- the scientific method
- ability to switch between small scale and large scale thinking
- observation skills
- creating compelling questions
- using data, math, science, etc. to answer questions about the world
- public communication/public speaking

What does a career look like on a daily basis?

- It depends!
- field work
- data management
- community engagement
- collaboration
- excel/R/electronic data processing
- literary research
- local, regional, global?
- cells: organisms: habitats: systems