

# ENVIRONMENTAL SCIENCE

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Environmental science is a multidisciplinary branch of science that focuses on understanding environmental systems, identifying and addressing human impacts on the environment, and connecting sound science to policy decisions. The Environmental Science major at COS will challenge students to strengthen their understanding of the natural and physical sciences, and takes advantage of the rich environmental science laboratory we live in by engaging students in local environmental research or work experience. This program will provide academic preparation for students who intend to transfer to a four-year institution. There are many exciting careers available to people with an environmental science background including the following: environmental scientist, geoscientists, hydrologist, environmental consultant, energy consultant, conservation scientists, environmental education, environmental technician, forester, teacher, and energy technician. Many of these careers require a bachelor's degree or higher. Students who wish to transfer may want to consult their counselor to help them determine the best course of action for their goals.

**Important:** To obtain the Associate in Science Degree in Environmental Science, students must complete the following requirements with a minimum grade point average (GPA) of 2.0:

- The Environmental Science major requirements below.
- The College of the Siskiyous General Education pattern (COSGE) requirements.
- Any needed electives to reach a total of 60 COS degree applicable units.
- All major courses and any courses noted on the COS check sheet must be completed with a C or better.

## Requirements for the Major

*Core- Complete the following: ----- 3-4 units*

ENVS 1002- Environmental Science (4)

**OR**

BIO 1400- Environmental Principles (3)

### ***Environmental Science Research or Work Related Project***

*Complete one of the following:----- 1-2 units*

BIO 2929- Special Studies in Biology (1-2)

BIO 2949- Work Experience in Biology (1)

CHEM 2929- Special Studies in Chemistry (1-2)

**College of the Siskiyous  
Associate in Science Degree**

**Biology & Chemistry**

Complete **one** of the following sequences:----- 10 units

- BIO 2100- General Biology I: The Unity of Life (5)
- BIO 2200- General Biology II: The Diversity of Life and Ecology (5)

**OR**

- CHEM 2000- General Chemistry I (5) AND
- CHEM 2100- General Chemistry II (5)

**Geology & Physics**

Complete **one** of the following:----- 3-4 units

- GEOL 1140- Oceanography (3)
- GEOL 1210- Physical Geology (4)
- GEOL 1220- Historical Geology (4)
- PHYS 1105- General Physics (4)
- PHYS 2105- Mech. Physics, Oscillations, & Waves (4)

**Total Units** ----- **17-20**