

## DEGREES & CERTIFICATES

### ENVIRONMENTAL SCIENCE ASSOCIATE OF SCIENCE (AS)

#### About the Program

The Associate of Science in Environmental Science is a multi-disciplinary program which provides the scientific foundation for upper division coursework and career positions in environmental science. Classes feature a broad background of preparation in math and science in such associated disciplines as mathematics, geology, physics, chemistry, biology, as well as economics.

#### Program Goals and Objectives

The Associate of Science in Environmental Science Degree is a local program designed to prepare students to transfer to CSU and UC Environmental Science programs. The program has courses that fulfill the lower division requirements for many university Environmental Science programs.

#### Career Opportunities

#### Program Outcomes

- Upon completion of the AS in Environmental Science, students are able to analyze natural phenomena using appropriate mathematical and computational tools employed in the physical and biological sciences.
- Upon completion of the AS in Environmental Science, students are able to analyze natural phenomena using fundamental scientific principles in the physical and biological sciences.
- Upon completion of the AS in Environmental Science, students are able to conduct a literature search, identify and evaluate legitimate sources, and clearly communicate the results.
- Upon completion of the AS in Environmental Science, students are able to perform scientific experiments, mathematically analyze the data, and evaluate the results.

#### REQUIRED CORE: (43 units)

BIO 1A General Botany.....	5
BIO 1B General Zoology.....	5
CHEM 1A General College Chemistry I.....	5
CHEM 1B General College Chemistry II.....	5
ECON 1 Principles of Microeconomics.....	3
EVST 5 Energy and Sustainability.....	3
GEOL 1 Physical Geology.....	3
GEOL 1L Physical Geology Laboratory.....	1
MATH 1 Calculus I.....	5
PHYS 2A Introduction to Physics I.....	4
PHYS 2B Introduction to Physics II.....	4
<b>TOTAL UNITS IN THE MAJOR.....</b>	<b>43</b>

#### PROGRAM-BASED GENERAL EDUCATION REQUIREMENT: (3 units)

BIO 40 Humans and the Environment.....	3
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<b>GENERAL EDUCATION AND ELECTIVES.....</b>	<b>14</b>
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