

DEGREES & CERTIFICATES

ENVIRONMENTAL STUDIES ASSOCIATE OF ARTS (AA)

About the Program

The Associate of Arts in Environmental Studies is a multi-disciplinary program which provides students the academic foundation for understanding the scientific and technological basis of energy technology, as well as the political, social, and economic factors that underlie energy policy choices. This transferable program features a diverse array of classes in the degree pattern from the natural and physical sciences in such associated disciplines as geology, geography, ecology, chemistry, statistics, philosophy, and economics. Students can further expand this foundation by selecting electives from other disciplines such as anthropology and political science.

Program Goals and Objectives

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

Career Opportunities

Career opportunities include Environmental Planner, Environmental Consultants, and Greenhouse Gas Emissions Permitting Consultants. Graduates will also have the potential to specialize in related areas such as water, air and forestry resources management, finance, energy and transportation analysis, waste management, low impact construction, and environmental remediation.

Program Outcomes

- Upon completion of the AA in Environmental Studies, students are able to analyze natural phenomena using fundamental scientific principles in the physical and biological sciences.
- Upon completion of the AA in Environmental Studies, students are able to conduct a literature search, identify and evaluate legitimate sources, and clearly communicate the results.
- Upon completion of the AA in Environmental Studies, students are able to construct arguments for environmental policy based on a sociopolitical and scientific understanding of human interactions with the environment.
- Upon completion of the AA in Environmental Studies, students are able to perform scientific experiments, analyze the data, and evaluate the results.

Required Core: (31 Units)

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| BIO 30 Introduction to College Biology..... | 4 |
| BIO 40 Humans and the Environment..... | 3 |
| CHEM 31 Introduction to College Chemistry or | 4 |
| CHEM 6 Environmental Chemistry..... | 4 |
| ECON 1 Principles of Microeconomics..... | 3 |
| EVST 5 Energy and Sustainability..... | 3 |
| EVST 5L Energy and Sustainability Laboratory..... | 1 |
| GEOL 1 Physical Geology..... | 3 |
| GEOG 1 Introduction to Physical Geography..... | 3 |
| MATH 40 Statistics and Probability..... | 4 |
| PHIL 2 Ethics..... | 3 |

List A: Select Two (6-8 Units)

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| ANTR 1 Biological Anthropology..... | 3 |
| ANTR 2 Introduction to Archaeology..... | 3 |
| ANTR 3 Cultural Anthropology..... | 3 |
| BIO 60 Marine Biology..... | 4 |
| BIO 70 Field Biology..... | 3 |
| GEOG 15 Introduction to GIS..... | 3 |
| GEOL 2 Historical Geology..... | 4 |
| GEOL 5 Environmental Geology: Hazards & Disasters..... | 3 |
| GEOL 7 Environmental Geology: Resources, Use Impact & Pollution..... | 3 |
| GEOL 12 Introduction to Oceanography..... | 3 |
| HUMN 6 Nature and Culture..... | 3 |
| POLI 7 Introduction to American Government..... | 4 |
| POLI 12 Introduction to California State and Local Government..... | 3 |
| SOC 5 Introduction to Global Studies or | 3 |
| GS 1 Introduction to Global Studies..... | 3 |

Total Units in the Major.....37-39

Additional General Education and Elective Units..... 21-23