Environmental Science AST

Option 1: Biology sequence

**REQUIRED**
- BIOSC 170 Environmental Science
  - IGETC SB
  - DVC GE II
- MATH 142 Statistics
  - IGETC 2
  - DVC GE C1

**or**
- ECON 221 Principles of Macroeconomics
  - IGETC 4
  - DVC GE IV
- MATH 192 Analytic Geometry and Calculus I
  - IGETC 2
  - DVC GE C1

**plus**
- CHEM 108 Chemistry for Non-Science Majors
  - IGETC SA
  - DVC GE II
- BIOSC 130 Principles of Cellular and Molecular Biology
  - IGETC SA
  - DVC GE II
- BIOSC 131 Principles of Ecology, Evolution and Organismal Biology
  - IGETC SA
  - DVC GE II
- CHEM 120 General Chemistry I
  - IGETC SA
  - DVC GE II

**or**
- CHEM 121 General Chemistry II
  - IGETC SA
  - DVC GE II

**PLUS 4 units from**
- GEOL 120 Physical Geology
  - IGETC SA
  - DVC GE II
- GEOL 122 Physical Geology Lab
  - IGETC SA lab

**PLUS 8 units from**
- PHYS 120 General College Physics I
  - IGETC SA
  - DVC GE II
- PHYS 121 General College Physics II
  - IGETC SA
  - DVC GE II
- PHYS 130 Physics for Engineers and Scientists: Mechanics and Wave Motion
  - IGETC SA
  - DVC GE II
- PHYS 230 Physics for Engineers and Scientists: Heat and Electromagnetism
  - IGETC SA
  - DVC GE II

Total minimum units for the major: 42

Option 2: Chemistry sequence

**REQUIRED**
- CHEM 120 General Chemistry I
  - IGETC SA
  - DVC GE II
- BIOSC 130 Principles of Cellular and Molecular Biology
  - IGETC SA
  - DVC GE II
- CHEM 121 General Chemistry II
  - IGETC SA
  - DVC GE II

**or**
- CHEM 120 General Chemistry I
  - IGETC SA
  - DVC GE II
- BIOSC 130 Principles of Cellular and Molecular Biology
  - IGETC SA
  - DVC GE II
- CHEM 121 General Chemistry II
  - IGETC SA
  - DVC GE II

**PLUS 4 units from**
- GEOG 120 Physical Geography
  - IGETC SA
  - DVC GE II
- GEOG 121 Physical Geography Lab
  - IGETC SA lab

**PLUS 8 units from**
- PHYS 120 General College Physics I
  - IGETC SA
  - DVC GE II
- PHYS 121 General College Physics II
  - IGETC SA
  - DVC GE II
- PHYS 130 Physics for Engineers and Scientists: Mechanics and Wave Motion
  - IGETC SA
  - DVC GE II
- PHYS 230 Physics for Engineers and Scientists: Heat and Electromagnetism
  - IGETC SA
  - DVC GE II

Total minimum units for the major: 42

Program Learning Outcomes

Students completing this program will be able to:
1. Recognize and understand chemical components in physical and biological aspects of ecosystems.
2. Apply the scientific method to collect data on environmental problems, and use data to analyze and solve quantitative and qualitative problems.
3. Evaluate the relationship of organisms to each other and to their changing chemical and physical environment.
4. Integrate environmental and economic issues.
5. Demonstrate the proper use of common laboratory equipment and use proper laboratory techniques in running experiments.

Careers in

- Transfer degree for CSU

Complete 60 degree applicable units along with completion of all required general education requirements. It is highly recommended that you see a counselor for specific courses that will best meet your educational plan/goals. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

For information about transferring, see: https://www.dvc.edu/enrollment/transfer/index.html
For information on careers in this field see: https://www.dvc.edu/enrollment/career-employment/index.html
4-13-2021