

## NATURAL RESOURCES ASSOCIATE OF SCIENCE

The Natural Resources Associate of Science degree offers an introduction to the Earth's physical and life science systems through the application of scientific principles, problem solving techniques and critical thinking, with an emphasis on hands-on, experiential learning to address modern issues with our natural systems and society. Students will study relationships among natural systems, earth resources and society as applied to understanding biodiversity, our changing climate, and resource management. Students can use the Natural Resources Associate of Science degree to build their resume in support of finding their next local job, or it can prepare students for transfer to a four-year institution to major in environmental science or similar field. As with all degree programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the CSU GE Breadth pattern or IGETC GE pattern. Please check with a counselor for more specific transfer information.

| <b>Required Courses – Major:</b>                                |                                      | <b>Units</b>   |
|---|--------------------------------------|----------------|
| BIO 255   | Botany, Plant Diversity, and Ecology | 4              |
| CHM 200   | Introduction to Chemistry            | 5              |
| or CHM 250  | General Chemistry I                  | 5              |
| GEO 206   | Physical Geography                   | 4              |
| or GEL 201  | Geology                              | 3              |
| & GEL 201L  | Geology Laboratory                   | 1              |
| MTH 220   | Statistics                           | 4              |
| NRS 200   | Environmental Science                | 3              |
| <b>Plus 3 – 4 additional units selected from the following:</b> |                                      | <b>Units</b>   |
| AGR 108   | Soils and Fertility Management       | 3              |
| EAS 211   | Weather and Climate                  | 3              |
| PHY 210   | General Physics I                    | 4              |
| <b>Total Major Units</b>  |                                      | <b>23 – 24</b> |
| <b>Total Degree Units</b>                                       |                                      | <b>60</b>      |

### *Program Level Student Learning Outcomes:*

1. Apply problem solving methodology and utilize different laboratory and field techniques in the natural sciences.
2. Apply statistical analyses to address practical problems.
3. Apply natural science tools and methodology relevant to scientific analysis of the earth and its environment.

### *Career Opportunities in NATURAL RESOURCES*

Completing the Natural Resources Associate of Science degree can lead to a variety of opportunities. As a STEM (Science, Technology, Engineering, Mathematics) discipline, the Natural Resources Associate of Science degree is in line with some of the most critical science topics for the 21st century. With a natural resources degree, career opportunities would include but not be limited to environmental scientist, ecologist, sustainable resource manager, park naturalist, and water or air quality scientist.