EARTH AND ENVIRONMENTAL SCIENCES

Mission Statement
The Department of Earth and Environmental Sciences equips students to function, not only in the world of today, but also to adapt to and perform in the world of tomorrow. Each program track in the major contributes to the University’s mission by preparing students to think critically, communicate effectively, and act with reason. The Department aspires to educate students, to help them accept modifications of views, and to discard concepts that have proven to be flawed. The Department seeks truth in science, relying upon the testing of theory by experiment to yield an evolving understanding of environmental phenomena. We stimulate students’ thought processes to encourage the intellectual breadth that will forge them into future leaders.

Student Learning Outcomes
UWF Earth and Environmental Sciences graduates should be able to do the following:

Content
- Demonstrate content knowledge in geography, geology, and environmental science
- Discuss key global and local environmental issues and explain how they are interconnected by applying content knowledge in earth and environmental sciences

Critical Thinking
- Critically apply the models and techniques of scientific research in the geo- or environmental sciences, including the use of literary, field, or laboratory methods

Communication
- Demonstrate effective technical writing and presentation skills

Integrity/Values
- Analyze complex ethical situations regarding human-environment interactions and design appropriate solutions
Project Management Skills

- Organize and execute projects that integrate environmental data from various sources within a reasonable timeframe

Assessment of Student Learning Outcomes
Assessment of Student Learning Outcomes in Earth and Environmental Sciences includes a variety of approaches to show what you know and have learned to do. These strategies include a written exit exam during a student’s last semester of residency and a portfolio of the two best student projects. We also expect solid academic performance in GEO 4332 Senior Seminar to show how you integrate your knowledge and abilities in the capstone course for the major.

Job Prospects for Earth and Environmental Sciences Graduates
Students who complete an undergraduate major in Earth and Environmental Sciences can find professional positions after graduation although some positions listed below will require additional work in graduate school:

- Environmental Specialist
- Wetlands Delineation Specialist
- Environmental Project Manager
- Environmental Educator
- Environmental Analyst

- Environmental Planner
- Resource Manager
- GIS Analyst
- GIS Coordinator

Find Out More about Earth and Environmental Sciences at UWF:
http://uwf.edu/cse/departments/environmental-studies/