

Program:	Environmental Geosciences
Degree:	BS
Department:	College of Geosciences
Contact Name:	Brendan Roark, Director of Environmental Programs in the College of Geosciences
Contact Phone:	862-1775

Outcome	Master the depth of knowledge required for a degree
Marketable Skills	<ul style="list-style-type: none"> • Comprehend fundamental earth-science based environmental systems and their main environmental outcomes. • Describe the fundamental links between environmental science and the public policy arena, competing interests and ideas, and the processes that link public policies and environmental science. • Collect, analyze, and interpret data using appropriate field, laboratory, and/or computational techniques and draw inferences from them.

Outcome	Demonstrate critical thinking
Marketable Skills	<ul style="list-style-type: none"> • Review and implement environmental technical standards, guidelines, policies, and formal regulations that meet all appropriate requirements. • Collect, synthesize, analyze, manage, and report environmental data (air pollution emissions, soil or waste samples, or mineralogical information). • Research environmental impact of industrial or development activities.

Outcome	Communicate effectively
Marketable Skills	<ul style="list-style-type: none"> • Communicate findings from the analysis of environmental data in writing, speaking, and graphically to discipline-specific and general audiences. • Prepare written, oral, tabular, and graphic reports summarizing inspection records, code violations, and actions to be taken • Provide scientific or technical guidance, support, coordination, or oversight to governmental agencies, environmental programs, industry, or the public

Outcome	Practice personal and social responsibility
Marketable Skills	<ul style="list-style-type: none"> • Articulate the ethical responsibilities of an environmental professional and choose ethical courses of action in their work. • Recognize an ethical dilemma in the environmental science-policy domain and apply rational decision-making to address it.

Outcome	Demonstrate social, cultural, and global competencies
Marketable Skills	<ul style="list-style-type: none"> • Knowledge of principles and processes for providing customer and personal services. This includes customer needs assessment, meeting quality standards for services, and evaluation of customer satisfaction.

Outcome	Prepare to engage in life-long learning
Marketable Skills	<ul style="list-style-type: none">• Keep up-to-date in developments in environmental science through reading current literature, talking with colleagues, continuing education, or participation in professional organizations or conferences.

Outcome	Work collaboratively
Marketable Skills	<ul style="list-style-type: none">• Work collaboratively in teams toward a common goal relating to environmental systems or environmental science-policy linkages.