

Academic Learning Compact



Name of the undergraduate degree program

B.S. in Environmental Studies

Mission Statement

The mission of the department is to prepare students to work in professions with an environmental focus. The Bachelor of Science degree emphasizes the chemical and ecological aspects of environmental assessment and analysis. Environmental Studies is an interdisciplinary program, and faculty represent disciplines from natural and social sciences.

Student Learning Outcomes

FIU B.S. in Environmental Studies graduates should be able to do the following:

Content/Discipline Knowledge

1. Demonstrate proficiency in human impacts on the environment with emphasis on biodiversity, pollution and environmental toxicology with emphasis on energy consumption and production, solid wastes, air and water resources and pollution
2. Demonstrate proficiency in the scientific understanding of major aspects of ecosystem dynamics
3. Demonstrate proficiency in the fundamentals of collection and analysis of environmental data.

Critical Thinking

1. Precisely identify problems and select tools for solving those problems
 2. Generate a testable hypothesis and methods for testing hypotheses
- topics

Oral and Written Communication

1. Clearly explain concepts, methods, and data in discussion
2. Use written skills effectively for clear communication
3. Establish a logic flow of topics
4. Demonstrate organizational skills that provide the background, importance and relevance of the topic and focus the topic on pertinent issues

Direct and Indirect measures of Student Learning Outcomes

Content/Discipline Knowledge

1. Students will prepare a paper and/or class presentation. Faculty will use a scoring rubric to assess the mastery of content as exemplary, acceptable, or unacceptable.

Critical Thinking

1. Faculty will use a scoring rubric to assess critical thinking manifested in the paper and/or class presentation as exemplary, acceptable, or unacceptable.

Oral and Written Communication

1. Faculty will use a scoring rubric to assess communication in the paper and/or class presentation as exemplary, acceptable, or unacceptable.