

INTERDISCIPLINARY SCIENCES/PRE-PHARMACY

Mission Statement

In keeping with the University mission, the Department of Biology is dedicated to creation, transmission, application and preservation of knowledge. Within this framework, the primary mission of the Department of Biology is to develop, support and conduct high quality educational and research programs in the life sciences with emphasis on marine biology, environmental biology, biotechnology and pre-professional programs.

Student Learning Outcomes

UWF Pre-Pharmacy graduates should be able to do the following:

Content

- Identify and use the concepts, principles, and theories that constitute the core sub-disciplines of the biological sciences
- Employ techniques central to analysis of biological materials
- Describe the areas of specialization in pre-pharmacy and the additional qualifications that must be sought in preparing for a career in those specializations.

Critical Thinking

- Apply scientific method to solve problems in the biological sciences
- Select and conduct appropriate statistical analyses

Communication

- Employ biological terminology accurately
- Use language in written form effectively and professionally
- Communicate biological information in oral form employing appropriate technology

Integrity/Values

- Describe ethical challenges in conducting scientific research with humans and animals
- Adhere to appropriate ethical practices in research and teaching

Project Management

- Design and execute a project that incorporates a reasonable time line to address a problem in the biological sciences
- Draw and defend conclusions related to the results of the study
- Collaborate effectively with others on team projects.

Assessment of Student Learning Outcomes

Both direct and indirect methods of assessment will be used. Exit and alumni surveys will comprise our indirect approach, while rubrics have been designed to assess student achievement of the SLOs listed above through their performance in a set of capstone pathway courses. For the Pre-Pharmacy specialization, this pathway includes the following courses: Biochemistry, Genetics, Ecology and Comparative Animal Physiology.

Job Prospects for Pre-Pharmacy Graduates

- Pharmacist
- Research in Pharmaceutical Sciences
- Pharmacy sales
- Pharmacy-related jobs in health Care

Find Out More about Pre-Pharmacy:

<http://uwf.edu/biology/bs-interdis/>