

## Biomedical Science, B.S.

### 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 biology and biomedical programs.

### Student Learning Outcomes

Graduates from the Biomedical Science program should be able to do the following:

#### Content

- Identify and use the concepts, principles, and theories that constitute the core of the biomedical sciences.

#### Critical Thinking

- Apply scientific method to solve problems in the biomedical sciences.

#### Communication

- Communicate biomedical information in oral and written form employing appropriate technology.

#### Integrity/Values

- Describe ethical challenges involved in conducting biomedical research with humans and animals..

### Assessment of Student Learning Outcomes

Students in the Biomedical Science degree program will be assessed for Content by gathering exam data in courses that introduce biomedical knowledge based on the curriculum map through exams, quizzes, or other assignments. The baseline data will be used to improve instruction at the introductory level of courses. Critical Thinking will be assessed by using laboratory courses to determine gains in student's ability to use the scientific method to perform experimental analysis. Students will be assessed in communication through identifying major courses that incorporate paper or oral reports. Using the provided rubric and we will then implement an improvement plan on scientific communication to assess any gains. Integrity/Values will be assessed by assessment of a case study or other activity involving

scientific integrity with respect to biomedical questions. Biology faculty will review the outcome of all assessment procedures to evaluate the current status of the program, and make suggestions for further improvement in programmatic effectiveness.

### **Job Prospects for Biomedical Science Graduates**

- Biotechnology Industry
- Scientific Research
- Medical Research
- Government
- Health Profession Assistants
- Application to Professional Schools

*Find out more about Biomedical Science at UWF:*  
<https://uwf.edu/programs/hmcse/biomedical-sciences-bs/>