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.

STUDENT LEARNING OUTCOMES

UWF Biology Non-thesis MS graduates should be able to do the following:

CONTENT
- Identify and use advanced concepts, principles, and theories that form the foundation of research in the biological sciences
- Employ advanced biological techniques central to analysis of biological materials and be able to defend the use of these techniques based on the current scientific literature
- Describe discipline-related career paths for which recipients of the MS in Biology are qualified
- Apply acquired biological content in completing the exit exam administered to all Non-Thesis graduates

CRITICAL THINKING
- Employ and defend the scientific method in solving defined problems in the biological sciences and apply in completion of the exit exam.
- Employ appropriate statistical methods to problems posed in the exit exam.

COMMUNICATION
- Employ biological terminology accurately and demonstrate mastery in answering questions in the exit exam.
- Use language in written form effectively and professionally and demonstrate mastery in the exit exam.
- Communicate biological information in oral form and demonstrate mastery in the exit exam.

INTEGRITY/VALUES
- Adherence to appropriate ethical practices in responding to questions on integrity in the exit exam.
Evaluation of Student Learning Outcomes

Biology graduate students in the non-thesis specializations will acquire advanced skills and knowledge that enable them to join the scientific profession or pursue additional graduate studies at the doctoral level. Direct assessment in this program is conducted through an exit exam required of all students prior to graduation from the non-Thesis specializations. This capstone requirement (exit exam) will allow assessment of student’s abilities to communicate effectively, apply ethical standards in the conduct of scientific experiments and projects, manage and execute projects, apply critical thinking methods to scientific problems and demonstrate mastery of critical content within the discipline. Indirect assessment practices in this program include an exit survey and student evaluations of courses.

Job Prospects for Biology Graduates

MS Non-thesis in Biology
Bioremediation
Biotechnology
Medical Research
Industry
Government
Education
Microbiology
Health Professions
Research Laboratories

Teaching
Pharmaceuticals
Public Health
Food Production
Pollution Control
Environmental Diagnostics
Forestry
Agriculture

Find Out More about Biology at UWF:
http://uwf.edu/cse/departments/biology/

BIOLOGY
Revised

College of Science & Engineering
9/11/15