

**MS.BIOLOGY.POSTSECONDARYTEACHING
ACADEMIC LEARNING PLAN**



BIOLOGY – Master’s Program/Post Secondary Teaching in Biology, Non-thesis Track

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 MST/non-thesis graduates should be able to do the following:

Content

- Identify and define advanced concepts, principles, and theories that form the foundation of knowledge in the biological sciences
- Effectively execute literature searches and employ the results in classroom presentations
- Describe discipline-related career paths for which recipients of the MST in Biology are qualified

Critical Thinking

- Employ and defend the scientific method in solving defined problems in the biological sciences
- Employ statistical methods appropriate to analysis of scientific data

Communication

- Employ biological terminology accurately in oral presentations
- Use language in written form effectively and professionally in completing written assignments

Integrity/Values

- Apply ethical considerations in teaching in the biological sciences
- Adhere to appropriate ethical practices in professional activities

Project Management

- Design and execute a presentation in biology within a reasonable timeframe
- Draw, defend, and present conclusions related to the results of the developed presentation
- Collaborate effectively with your non-thesis advisor in completing the coursework and respond effectively to constructive feedback

Job Prospects for Biology Graduates

**MS Post Secondary Teaching,
Non-thesis in Biology**

Teaching in secondary education
Teaching at junior colleges and community colleges

Teaching at small private colleges and universities
Education
Biological businesses and industry

Find Out More about Biology at UWF:
<http://uwf.edu/biology/degree>

**MS.BIOLOGY.POSTSECONDARYTEACHING
EMBEDDED ASSESSMENT INSTRUMENT FOR DOMAIN(S): COMMUNICATION, INTEGRITY/VALUES**

Program: M.S. in Post Secondary Teaching in Biology, Non-thesis
Course Name: Instructional Methods in Biology
Instructor: All project advisors
Emphasized Programmatic SLOs: Communication, Integrity/Values
Tangible Course Product to be Evaluated: Selected class assignment

Suggested Implementation for Embedded Assessment:

For a class assignment in this course, grade the assignment as you would normally. For each student completing this course, complete the following rubric and note characteristics contributing to your rating in the comment section below the rubric:

M.S. in Post Secondary Teaching Biology, Non-thesis Academic Learning Plan Criteria Upon completion of class assignment, student was able to:	Unsatisfactory (D/F)	Satisfactory (C)	Very Good- Excellent (A/B)
Communication			
Employ biological terminology accurately in oral presentations			
Use language in written form effectively and professionally in completing written assignments			
Integrity/Values			
Apply ethical considerations in teaching in the biological sciences			
Adhere to appropriate ethical practices in professional activities			

General characteristics leading to ratings of UNSATISFACTORY:

General characteristics leading to ratings of SATISFACTORY:

General characteristics leading to ratings of VERY GOOD-EXCELLENT:

How will these results influence your course design next time?

What recommendations can you make to the department to improve the quality of this experience for future students?
