



Operational Excellence and Assessment Support

Academic Learning Compacts

**College of Medicine
Burnett School of Biomedical Sciences
Academic Learning Compacts**

Medical Laboratory Sciences, BS

Upon completion of the MLS program, the graduate will be able to:

Discipline specific Knowledge, Skills, Behavior and Values Outcomes

1. Demonstrate in-depth knowledge of analytical techniques and laboratory procedures correlating to disease states in the following sub-disciplines of laboratory science:
 - Clinical chemistry
 - Hematology and Body Fluids
 - Immunohematology
 - Immunology
 - Clinical Microbiology
 - Molecular Diagnostics
 - Laboratory Management and Education
2. Have the necessary laboratory skills to function as entry-level clinical laboratory scientists.

Critical Thinking Outcomes

3. Interpret the clinical significance of test results and recognize the interdependency of laboratory tests.
4. Recognize problems, identify the cause (technical, instrumental, or physiological), determine alternatives and implement solutions where appropriate.

Communication Outcomes

5. Demonstrate the appropriate conduct and attitudes required of a health care professional.
6. Use language in a written form effectively.
7. Will demonstrate effective oral communication skills.

Assessment of Medical Laboratory Science, B.S. Outcomes

These outcomes will be assessed using a variety of assessment methods, including:

- Written and oral presentations
- Tests/exams
- Teaching modules
- Research projects
- Laboratory notebooks