



Operational Excellence and Assessment Support

Academic Learning Compacts

College of Medicine Academic Learning Compacts

Medical Laboratory Sciences - B.S.

Discipline Specific Knowledge, Skills, Behavior and Values

1. **MLS graduates will 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
 - Immunohematology
 - Immunology
 - Clinical Microbiology
 - Molecular Diagnostics
 - Laboratory Management and Education.
2. **MLS graduates will possess the necessary laboratory skills to function as entry-level medical laboratory scientists.**
3. **MLS graduates will be able to interpret the clinical significance of test results and recognize the interdependency of laboratory tests.**
4. **MLS graduates will demonstrate the appropriate conduct and attitudes required of a health care professional.**
5. **The quality of MLS students will be maintained at high standards to meet the community needs.**

Critical Thinking

1. **MLS graduates will be able to interpret the clinical significance of test results and recognize the interdependency of laboratory tests.**
2. **MLS graduates will recognize problems, determine alternatives and implement solutions where appropriate.**

Communication

1. **MLS graduates will use written language effectively.**
2. **MLS graduates will demonstrate effective oral communication skills.**

Assessment of Medical Laboratory Sciences - 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**