Biology - Concentration in Medical Lab Sci

Program Mission Statement
The mission of the MLS program is to provide quality and innovative laboratory education that will continuously progress with the advances in laboratory medicine and technology.

Student Learning Outcomes
Graduates will be able to:

Content/Discipline-Specific Knowledge/Skills
- Students will demonstrate the knowledge and technical skills required to work in the medical laboratory.
- Students will apply the principles of quality control when performing laboratory testing.

Communication Skills
- Students will communicate effectively through verbal communication with co-workers, physicians, and other allied health professionals.

Critical Thinking Skills
- Students will be able to identify ethical issues in the laboratory setting and devise and pursue an appropriate course of action.

Assessment Approaches
Students are continually assessed in classes with an expectation that their ability to interpret and evaluate laboratory data improves through the academic career. The final year the students are evaluated on their technical skills and professionalism through a rubric set by advisory committee. The advisory committee are made up of individuals actively working in the field of laboratory medicine and are familiar with the requirements of the National Accrediting Agency for Clinical Laboratory Science in which the program is accredited by. The student is also evaluated on their professionalism while on internship. These are a set of standards on which the preceptor can evaluate the student’s competency throughout internship. In senior seminar students will identify a case study they have encountered during internship. This case study is evaluated by faculty and if deemed exemplary the student will be asked to have the case study submitted for publication. Senior Seminar will also require the students to take a mock certification exam which will be worth 50% of the students grade. Students are expected to be at 80% or above for this exam.