Program Description
The Associate of Applied Science in Medical Laboratory Science (formerly Clinical Laboratory Technology) provides the student with entry-level competence in the laboratory that would render him/her competitive for employment and/or advancement as well as allowing him/her to take the national (American Society of Clinical Pathologists, ASCP) certification examination for Medical Laboratory Technicians. Classroom instruction and clinical experiences prepare individuals to perform diagnostic tests and procedures under the supervision of medical technologists and pathologists. Students should note that some courses have prerequisites, which must be completed before enrolling in upper-level courses and continuing in the program. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS). Although a terminal degree program, general education requirements, as well as some of the technical courses, may be transferable to a variety of baccalaureate programs.

The Medical Lab Science requirements include biology, microbiology, and chemistry courses. Students with an interest or aptitude in the sciences are encouraged to apply.

Students should keep copies of all documents that are submitted because documents will not be returned. Multiple copies of college transcripts may be requested. Financial aid recipients are encouraged to meet with a financial aid advisor to verify that they have enough aid needed to complete the program. SAP (Satisfactory Academic Progress) must be met each term to continue receiving aid.

Application Process
Those interested in the Medical Lab Science program, should begin by applying to the General Studies for Medical Lab Science program at SLCC. The SLCC application is available online at http://www.solacc.edu/admissions.

Any students who are currently taking classes at SLCC, can request a change of major to General Studies for Medical Lab Science. Students with this major will receive advising and communications specific to the Medical Lab Science program.

Students must successfully complete the following prerequisite courses and meet the following additional requirements to be considered for the Medical Lab Science program.

Prerequisite Courses
- ENGL 1010 Rhetoric & Composition (3 Credits)
- MATH 1105 College Algebra (3 Credits)
- BIOL 2017 Survey of Human Anatomy and Physiology (4 Credits)
- CHEM 1030 General Chemistry I (3 Credits)
- CHEM 1031 General Chemistry I Laboratory (1 Credits)
- MLTS 1030 Introduction to Clinical Laboratory Science (3 Credits) (Offered Fall semester only – MLS Program Director Signature Required)
Additional Requirements

- Earn a minimum cumulative (overall) GPA of 2.0
- Or earn a minimum GPA of 2.0 in the last term of college enrollment
- Attend Medical Lab Science information session at SLCC – Lafayette Campus during the spring term. Additional program information, as well as health and physical requirements, will be explained at the information session.
- Must be able to Pass a background check once admitted into the program.

ESSENTIAL FUNCTIONS AND TECHNICAL STANDARDS

The Medical Laboratory Science Program establishes technical standards to ensure that students have the abilities required to participate and potentially be successful in all aspects of the program. Students are required to meet technical standards and essential functions for the Medical Laboratory Science Program as indicated below. Satisfactory completion of the MLS program and obtaining employment following graduation demands your ability to meet the following requirements. If you are uncertain as to your ability with any of these technical standards, please consult the MLS Program Director.

Intellectual/Critical Thinking: Ability to collect, interpret and combine information to make decisions; Be able to exercise judgement to recognize and to correct instrument or procedure malfunctions; Utilize basic and advanced math skills for mathematical calculations and measurements; Be able to reason, analyze, and evaluate laboratory data.

Observational/Vision: Ability to read charts, graphs, instrument displays, and the printed word on paper or a computer monitor; Utilize a binocular microscope to interpret microscopic and macroscopic details; Distinguish gradients of colors and determine clarity and viscosity of specimens
NOTE: Color blindness testing; if a student fails the screening test given by the MLS instructor, an optical examination will need to be conducted at the student’s expense and documentation of a passed exam is required.

Communication/Speech/Hearing: Ability to communicate effectively in English using verbal (face-to-face and via telephone), non-verbal, and written formats with instructors, students, patients, and other members of the healthcare team; Read and comprehend technical and professional materials; The ability to recognize audible instrument or safety alarms; Independently prepare laboratory reports and complete paper and computer exams; Transcribe information clearly and accurately.

Movement/Motor Function: Sufficient motor ability to execute the movement and skills required for safe and effective performance of duties in a laboratory; Perform moderate physical work, often requiring prolonged sitting or standing over several hours; Dexterity to operate basic tools for instrument maintenance; Use a computer keyboard to operate laboratory instruments or enter laboratory data; Performs palpations and other functions related to phlebotomy procedures; ability to travel to assigned clinical rotation sites; Be able to reach, bend, lift and carry up to 20 pounds.

Behavioral and Social: Possess the emotional stability required to be able to exercise good judgement in lecture, the student laboratory, and the clinical setting; Work under time constraints to complete tasks on time in a mature and effective manner; Work under both relaxed and stressful emergency situations; prioritize tasks; Maintain alertness and concentration during a normal work period; Work safely with chemical and biological hazards using Universal Precautions; Meet attendance requirements; Apply knowledge, skills, and values learned from coursework and life experiences to new situations.