



Technical Standards Acknowledgement Form Clinical Laboratory Science Program

The attached list of Technical Standards has been prepared to assist you in understanding the essential physical and behavioral requirements for participating in and successfully completing the Clinical Laboratory Science program. These standards must be satisfied by all students in all aspects of the program, with or without a reasonable accommodation, including in the classroom, laboratories, and externship.

Please note that you must carefully review these technical standards. Once reviewed, please complete all of the information below and submit it to **Health and Wellness Center (Building 19/Room 177) BY JULY 1**. If you are an individual with a documented disability who seeks reasonable accommodation, please contact the Office of Disability Services, Building 19/Room 141, 755-4785, as soon as practical, for information concerning the College's accommodation process.

Your signature below shall confirm and verify that you have reviewed the program's Technical Standards and are capable of performing those Standards, with or without a reasonable accommodation. Failure to perform the program's essential technical standards shall result in a student's removal from the program.

1. _____

Print your full name

2. _____

Sign your full name

3. _____

Student ID number (found on your acceptance letter)

4. _____

Date of signature

Please return this form to Health and Wellness Center, Building 19/Room 177

Springfield Technical Community College
School of Health & Patient Simulation
Clinical Laboratory Science Department
Technical Standards

Technical Standards (Essential Functions) are the non-academic standards that a student must be able to master to participate successfully in the CLS department and become employable*. Examples of this program's essential functions are provided below.

If you are not sure that you will be able to meet these essential functions, please consult with the Admissions Office for further information and to discuss your individual situation.

Visual and Observation Skills: A student in the CLS department must possess sufficient visual skills and skills of observation to:

Observe laboratory demonstrations in which lab procedures are performed on patient samples (i.e. body fluids, culture materials, tissue sections, and cellular specimens).

- Determine the color, consistency, and clarity of biological samples or reagents.
- Use a clinical grade binocular microscope to discriminate among fine differences in structure and color (i.e. hue, shading, and intensity) in microscopic specimens.
- Read and comprehend text, numbers, and graphs displayed in print and on a video monitor.
- Detect differences in light intensity in laboratory equipment (microscopes, alarms).

Motor and Mobility Skills: A student in the CLS department must possess adequate motor and mobility skills including the ability to:

- Perform moderately taxing continuous physical work. This work may require prolonged sitting and/or standing, over several hours and some may take place in cramped positions.
- Reach laboratory bench tops and shelves, the interiors of large instruments, patients lying in hospital beds or patients seated in specimen collection furniture.
- Lift and move objects of at least 20 pounds.
- Perform fine motor tasks such as pipetting and precise sample procedures, inoculating media, handling blood collection equipment and withdrawing a blood sample from a patient, recapping samples, handling small tools and/or parts to repair and correct equipment malfunctions, and grasp, hold, transport, and utilize specimens, reagents, hazardous chemicals, and equipment in a safe manner as needed to perform laboratory testing.
- Palpate veins for venipuncture.
- Use a computer keyboard to operate laboratory instruments and to record, evaluate, and transmit laboratory information.

Auditory Skills: A student in the CLS department must possess adequate skills to:

- Communicate with others, including the use of telephone and monitoring of equipment (or use prosthetics that will enable the senses to function adequately so the requirements can be met).
- Convey and receive verbal information, questions and request from faculty members, fellow students, staff, patients, and other health care professionals.
- Comprehend and respond in English, verbally and in recorded format (writing, typing, graphics, or telecommunication).

- Monitor and assess patient needs, to detect and respond to auditory alarms, emergency signs and calls for help.

Cognitive Skills: A student in the CLS department must possess adequate cognitive skills to:

- Measure, calculate, analyze, interpret, synthesize, evaluate, record, and transmit laboratory information.

Behavioral Skills: A student in the CLS department must possess behavioral skills to:

- Manage the use of time, organize and prioritize actions in order to complete professional and technical tasks within realistic constraints.
- Possess the emotional health necessary to effectively apply knowledge, exercise appropriate, independent judgment and to think logically in the performance of duties.
- Perform laboratory procedures accurately and quickly even under stressful conditions, emergent demands (i.e. "stat" test orders), and distracting environment (i.e., high noise levels, crowding, complex visual stimuli.) and when handling potentially infectious specimens.
- Maintain composure while managing multiple tasks simultaneously.
- Maintain alertness and concentration during a normal work period (8 hours).
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- Recognize potentially hazardous materials, equipment, and situations and proceed safely in order to minimize risk of injury to patients, self, and nearby individuals.
- Exhibit social skills necessary to interact effectively and respectfully with patients, families, supervisors and co-workers of the same and different cultures.
- Support and promote the activities of fellow students and of health care professionals and work well in a team.
- Be honest, compassionate, ethical, and responsible by assume responsibilities for one's work, being forthright about errors or uncertainty, critically evaluate her or his own performance, accepting constructive criticism, and look for ways to improve (i.e. participate in enriched educational activities).
- Exhibit professional behavior by conforming to appropriate standards of dress, appearance, language and public behavior. (For example, body piercing other than ears and visible tattoos are **not** considered professional appearance. This includes tongue piercing.)

The National Accrediting Agency for Clinical Laboratory Science requires us to define, publish and provide to prospective students specific essential functions required for admission to the program and a procedure to determine that the applicants' or students' health will permit them to meet these Technical Standards / Essential Functions.

Note: Graduates are qualified to enter professions in the Clinical Laboratory. It should be noted that under the Americans with Disabilities Act, "A qualified person with a disability is one who can perform the essential function of a job with or without reasonable accommodation." It is, therefore, the responsibility of the student with disabilities to request those accommodations that he/she feels are reasonable and are needed to execute the essential requirements as described. Students with documented disabilities must contact the Office of Disability Services, which is located in Building 19, Room 141 (Phone 413-755-4785, TTY 413-746-0079) to arrange for support services. If a student does not inform the college of a disability, STCC is not required to make any exceptions to any standard procedures. ***Certain disabilities may limit employment opportunities. Moreover, immunocompromised individuals may put themselves at personal risk due to exposure to infectious agents that occurs in all aspects of the laboratory.**