



## 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 SERVICES BY JULY 1**. If you are an individual with a disability who seeks reasonable accommodation, please contact the Office of Disability Services, Building 27/2<sup>nd</sup> Floor, 755-4785 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 Services, building 20/room 320 by July 1.**

**Springfield Technical Community College**  
**School of Health & Patient Simulation**  
**Technical Standards**  
**Essential Skills for the Clinical Laboratory Science Department**

Technical Standards (Essential Functions) are the non-academic standards that a student must be able to master to participate successfully in the CLS program 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.*

Successfully pass a pre-admission physical examination, background checks and other screening examination as specified by STCC and the affiliating institution.

**Visual and Observation Skills:** A student in the CLS program must possess sufficient visual skills and skills of observation to perform and interpret laboratory assays, including the ability to:

- Observe laboratory demonstrations in which lab procedures are performed on patient samples (i.e. body fluids, culture materials, tissue sections, and cellular specimens).
- Observe and differentiate color, consistency, and clarity characteristics of biological samples or reagents.
- Use a clinical grade binocular microscope to discern 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.

**Motor and Mobility Skills:** A CLS student must possess adequate motor and mobility skills to:

- Sit and/or standing continuously for extended periods of time (over 4 hours)
- Reach laboratory bench tops and shelves, patients lying in hospital beds or patients seated in specimen collection furniture.
- Lift and move objects of at least 20 pounds.
- Operate all equipment in the laboratory adhering to existing laboratory safety standards.
- Move freely from one location to another in the physical setting of the student classroom and laboratories, and medical laboratories.
- Possess sufficient fine motor skills in order to perform delicate tasks such as: calibration and maintenance of laboratory instruments, precise sample procedures, inoculating media, withdrawing a blood sample from a patient, pipetting of samples, use of computer work stations, phlebotomy safely and proficiently, and to grasp, hold, transport, and utilize specimens, reagents, hazardous chemicals, and equipment in a safe manner as needed to perform laboratory testing.

**Hearing and Communication Skills:** A CLS student must possess adequate hearing acuity and communication 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 information in a professional, positive and tactful manner with individuals and groups (i.e. 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.

**Behavioral and Cognitive Skills:** A student must possess adequate behavioral skills to:

- Measure, calculate, analyze, interpret, synthesize, evaluate, record, and transmit laboratory information.
- Manage the use of time to solve one or more problems within specific time frames and systematize 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.
- Maintain intellectual and emotional stability and maturity under stressful conditions, emergent demands (i.e. "stat" test orders), and distracting environment (i.e., high noise levels, crowding, complex visual stimuli.)
- Work in an environment with potentially infectious materials (HIV, Hepatitis, TB, etc.), exposure to noise and temperature variations, and toxic or irritating chemicals. (This includes possible sensitization to latex from prolonged wearing of gloves).
- Recognize potentially hazardous materials, equipment, and situations and take appropriate actions in order to minimize risk of injury to patients, self, and nearby individuals.
- Maintain alertness and concentration during a normal work period.
- Learn and exhibit professional attributes necessary in the profession.

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*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.*

**\*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.**

**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 disabilities must contact the Office of Disability Services, which is located on the second floor of Building 27 (Phone 413-755-4551, 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.