

Essential Functions-Technical Standards of the Medical Science Student

Marion Technical College

Essential Functions of the Medical Science Student (Technical Standards)

This list of essential functions is to inform students of the skills required in the performance of duties of a medical laboratory technologist or a phlebotomist/medical laboratory assistant and to assess their ability to complete such duties. These essential functions reflect performance abilities and characteristics that are necessary to successfully complete the requirements of a medical science program at Marion Technical College. The Program reserves the rights to change these essential functions as needed to assure competency. These essential functions are not conditions of admission to the programs. Persons interested in applying for admission to a Medical Science program should review these essential functions to develop a better understanding of the skill, abilities, and behavioral expectations necessary to progress and successfully complete a program. MTC complies with the requirements of Section 504 of the Rehabilitation Act and the Americans with Disabilities Act of 1990. Therefore, the College will endeavor to make reasonable accommodations for students who contact Jennifer Montag, Director of Student Disabilities, for assistance.

Cognitive Requirements (Intellectual/Conceptual)

Students must exercise independent judgment. This includes, but is not limited to, the following:

- Apply mathematics to successfully complete assignments
- Define problems, analyze data, develop and implement solutions
- Reason and apply sound judgment
- Question logically, recognize and differentiate facts from opinion and illusion, and distinguish the logical from the illogical and relevant from irrelevant
- Understand and follow directions
- Apply learned skills and knowledge to new situations
- Communicate effectively in formal and colloquial English in person-to-person, telephone, written and electronic media

Affective Requirements (Behavioral and Social)

Students must exhibit appropriate professional conduct. This includes but is not limited to the following:

- Fulfill commitments and be accountable for actions
- Self-direct, self-correct and be responsible for one's own learning and professional development
- Deal with stress and maintain composure under pressure and time constraints
- Make decisions and prioritize tasks; work on multiple tasks simultaneously
- Work both independently and in cooperation with others
- Recognize emergency situations and react appropriately
- Demonstrate professional decorum (positive, cooperative, respectful attitude) and ethical behavior

Psychomotor Requirements (Motor and Physical)

Students must meet the motor/physical demands of the program. This includes but is not limited to the following:

- Meet the attendance requirements of the program and participate fully in all laboratory exercises and clinical experiences.
- Successfully complete testing and analyses such as:
 - locate patient veins
 - read computer screens, instrument print-outs, procedures and graphs
 - accurately interpret color, size, shape and or turbidity readings both macroscopically or microscopically to analyze body fluids, blood, and microbiology cultures
 - perform macroscopic and microscopic analysis to identify and grade red blood cell agglutination
- Manipulate large and small equipment used within the program such as: medical instrumentation, pipettes, analytical equipment, microscopes, blood collection equipment, computer technology, office equipment
- Perform manual testing and perform venipuncture and capillary puncture so as not to injure the patient or the student.
- Gain access to patients in a variety of situations within a clinical setting including emergency departments, intensive care, patient rooms, and treatment rooms to collect blood samples or perform point of care testing.

I hereby attest that I have read this form, understand the Essential Functions Requirements-Technical Standards, and can demonstrate the characteristics stated with or without reasonable accommodations, consistent with the Americans with Disabilities Act.

Print Name

Signature

Date