

**NATIONAL PARK COLLEGE  
MEDICAL LABORATORY TECHNICIAN PROGRAM  
ESSENTIAL FUNCTIONS**

These essential functions represent the non-academic demands of the program. All applicants are expected to meet these requirements in order to participate in the medical technology program.

**Essential Observational Requirements**

The medical technology student must be able to:

- use a microscope and differentiate microscopic components of cells, tissues, etc.
- observe laboratory demonstrations of techniques and procedures.
- discriminate color reactions.
- read text, numbers, and graphs displayed in print or on a video monitor.

**Essential Movement Requirements**

The medical technology student must be able to:

- move freely and safely about a laboratory and in patient rooms.
- reach laboratory bench tops and shelves, free-standing laboratory instruments; patients lying in hospital beds or patients seated in specimen collection furniture.
- control laboratory equipment (i.e. pipettes, inoculating loops, test tubes) and adjust instruments to perform laboratory procedures.
- perform delicate manipulations which require good eye-hand coordination.
- travel to clinical laboratory sites for practical experience.
- perform moderately taxing continuous physical work, often requiring prolonged standing and/or sitting, over several hours.

**Essential Communication Requirements**

The medical technology student must be able to:

- read and comprehend technical and professional materials (i.e. textbooks, journal articles, handbooks, and instruction manuals).
- effectively communicate with faculty, classmates, patients, physicians and other health care personnel in a professional, positive, and tactful manner.
- follow verbal and written instructions in English in order to correctly and independently perform laboratory test procedures.
- legibly record laboratory data.
- independently prepare papers, prepare laboratory reports, and take paper, computer and laboratory practical examinations.

**Essential Intellectual and Conceptual Abilities**

The medical technology student must be able to:

- measure, calculate, reason, analyze, evaluate and synthesize.
- recognize emergency situations and take appropriate actions in a timely manner.
- exercise critical thinking skills to solve problems.
- exercise sufficient judgment to recognize and correct performance deviations.

**Essential Behavioral and Social Attributes**

The medical technology student must be able to:

- maintain patient confidentiality and to exercise ethical judgment, integrity, honesty, dependability and accountability in the performance of their laboratory responsibilities.
- perform laboratory tests carefully while maintaining efficiency and organization.
- maintain personal hygiene and wear garments appropriate to the work setting.
- tolerate taxing workloads, function effectively under stress and adapt to changing technology and environments.
- recognize potentially hazardous materials, equipment and situations and proceed safely in order to minimize risk of injury to patients, self and nearby individuals.
- function as a supportive member of the health care team, maintaining highest laboratory standards in delivery of patient care.