



## **School of Medical Laboratory Science**

### **Essential Requirements for Medical Laboratory Science**

#### **Essential Observational Requirements**

- observe laboratory demonstrations in which biological materials are tested for their biochemical, hematological, immunological, microbiological components
- characterize the color, odor, clarity, and viscosity of biological, reagents, or chemical reaction products
- employ a clinical grade binocular microscope to discriminate among fine structural and color differences of microscopic specimens
- read and comprehend text, numbers, and graphs displayed in print and on a video monitor

#### **Essential Movement Requirements**

- move freely and safely about a laboratory
- reach laboratory bench tops and shelves, and patients seated in phlebotomy chair
- perform moderately taxing continuous physical work, often requiring prolonged sitting, over several hours
- maneuver phlebotomy and culture acquisition equipment to safely collect valid laboratory specimens from patients
- control laboratory equipment, i.e. pipettes, inoculating loops, test tubes, and adjust instruments to perform laboratory procedures
- employ an electronic keyboard to operate laboratory instruments and to calculate, record, evaluate and transmit laboratory information

#### **Essential Communication Requirements**

- read and comprehend technical and professional materials, i.e. textbooks, journals, handbooks, and instruction materials
- follow verbal and written instructions in order to correctly and independently perform laboratory test procedures
- clearly instruct patients prior to specimen collection
- effectively, confidentially, and sensitively converse with patients regarding laboratory tests

- communicate with faculty members, fellow students, staff and other health care professionals verbally, and in a recorded format
- independently prepares laboratory reports, and takes paper, computer and laboratory practical examinations

### **Essential Behavioral Requirements**

- be able to manage the use of time and be able to systematize actions in order to complete professional and technical tasks within realistic constraints
- possess the emotional health necessary to effectively employ intellect and exercise appropriate judgement
- be able to provide professional and technical services while experiencing the stresses of task-related uncertainty (ambiguous test ordering, ambivalent test interpretation), emergent demands (“stat” test orders”, and a distracting environment (high noise levels, crowding, complex visual stimuli)
- be flexible and creative, and adapt to professional and technical change
- recognize potentially hazardous materials, equipment, and situations and proceed safely in order to minimize risk of injury to patients, self, and nearby individuals
- adapt to working with unpleasant biological
- support and promote the activities of fellow students and of health care professionals – promotion of peers helps furnish a team approach to learning, task completion, problem solving, and patient care
- be honest, compassionate, ethical and responsible. The student must be forthright about errors or uncertainty. The student must be able to critically evaluate his/her performance, accept constructive criticisms and look for ways to improve. The student must be able to evaluate the performance of fellow students and tactfully offer constructive comments.



## School of Medical Laboratory Science

### Statement of Understanding

**Note: Please read the following information carefully and return the signed page with program application.**

I have reviewed the Medical Laboratory Science Essential Requirements and understand that my ability to meet these requirements is necessary for successful completion of the program and subsequent employability in the profession.

I understand that I will be required to undergo a pre-employment screen which includes a criminal background check and urine drug test, and that my enrollment in the program may be contingent upon the results of this screen.

I understand that this application will become inactive after one year.

My signature below attests to the fact that I understand and agree to follow these essential requirements and policies in order to progress in and complete the medical laboratory science program.

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Student's Signature

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Date

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Program Director's Signature

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Date