



## Statement of Support for the Medical Laboratory Technician Distance Learning Program

### Student Information

Full Name: \_\_\_\_\_ Date: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Email: \_\_\_\_\_

### This section is to be filled out by the Laboratory Manager

Facility Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip Code: \_\_\_\_\_

Laboratory Manager: \_\_\_\_\_

Email: \_\_\_\_\_

Title: \_\_\_\_\_

Phone: \_\_\_\_\_

Is this student a current employee of your organization?

Yes

No

Is there a student coordinator at your site for student onboarding?

Yes

No

If yes, Coordinator's Name: \_\_\_\_\_

Email: \_\_\_\_\_

**Indicate on-site lab departments that will be available for the student:** (Note: Each department listed below must be checked to complete this program. Your current site should check all areas it can support; if any areas aren't available, you may use multiple sites so that, altogether, all boxes are checked.)

Phlebotomy ☐ Urinalysis ☐ Immunology ☐ Specimen Processing ☐ Hematology ☐

Coagulation ☐ Chemistry ☐ Blood Bank ☐ 18-week Clinical Experience (final semester) ☐

Microbiology \* ☐ \*Indicate the extent of microbiology, (i.e., culture set up and gram stain only, full micro including plate reading, etc.): \_\_\_\_\_

**Note:** In addition to this Statement of Support, Northcentral Technical College and the laboratory facility must sign an affiliation agreement before the student can begin the MLT program courses. NTC will contact you or someone at your facility to set up this affiliation agreement.

Indicate whether the affiliation agreement that required the completion of background checks, health requirements, drug testing and/or any other additional requirements can be waived due to the student's employment at this clinical site: Yes ☐ No ☐

### Signatures

*It is my understanding that a student must obtain a statement of support prior to beginning MLT distance learning courses. The student and Laboratory Manager understand their responsibilities as outlined on the following pages.*

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Laboratory Manager Signature

\_\_\_\_\_  
Date

# MEDICAL LABORATORY TECHNICIAN (MLT) PROGRAM

## Distance Learning MLT Program Option

### Overview

Northcentral Technical College's Medical Laboratory Technician (MLT) program is pleased to offer a distance learning MLT option.

#### The Objective

*The objective of the Distance Learning MLT program is to address the nationwide laboratory workforce shortage by providing a pathway for students to obtain their Medical Laboratory Technician degree without coming to a college campus for laboratory sessions.*

#### The Opportunity

*The Distance Learning MLT program is a pathway for students in any area of the country to obtain an MLT Associate of Applied Science degree.*

#### Online MLT Program Outline

*The Distance Learning MLT program will be synchronous with the on-campus MLT program, continue to follow the NTC MLT curriculum and maintain NAACLS accreditation.*

#### Course Enrollment

*Step 1: Submit a "Statement of Support" which will need review and approval from the MLT Program Director. After support is approved, NTC will ensure an affiliation agreement can be obtained between itself and the clinical laboratory.*  
*Step 2: Begin courses*

1. General Education courses are as follows:

- All of these courses have online options
- The student may also request an assessment of transfer credits or "credit for prior learning" if available
  - 10-806-177 General A&P (4 credits)
  - 10-801-195 Written Communication (3 credits)
  - 10-809-198 Intro to Psychology (3 credits)
  - 10-801-198 Speech (3 credits)
  - 10-806-197 Microbiology (4 credits)
  - 10-809-196 Intro to Sociology (3 credits)
  - 10-806-186 Introduction to Biochemistry (4 credits)

2. MLT course sequence is as follows:

Year 1	Year 2
<b>Fall Semester:</b> <ul style="list-style-type: none"><li>• 10-513-111 Phlebotomy (2 credits)</li><li>• 10-513-110 Basic Lab Skills (1 credit)</li><li>• 10-513-114 Urinalysis (2 credits)</li><li>• 10-513-113 QA Lab Math (1 credit)</li></ul>	<b>Fall Semester:</b> <ul style="list-style-type: none"><li>• 10-513-130 Advanced Hematology (2 credits)</li><li>• 10-513-116 Clinical Chemistry (4 credits)</li><li>• 10-513-133 Clinical Microbiology (4 credits)</li><li>• 10-513-140 Advanced Micro (2 credits)</li></ul>
<b>Spring Semester:</b> <ul style="list-style-type: none"><li>• 10-513-109 Blood Bank (4 credits)</li><li>• 10-513-115 Basic Immunology (2 credits)</li><li>• 10-513-121 Coagulation (1 credit)</li><li>• 10-513-120 Basic Hematology (3 credits)</li></ul>	<b>Spring Semester:</b> <ul style="list-style-type: none"><li>• 10-513-151 Clinical Experience 1 (3 credits)</li><li>• 10-513-152 Clinical Experience 2 (4 credits)</li><li>• 10-513-153 Clinical Experience 3 (2 credits)</li><li>• 10-513-160 MLT Seminar (1 credit)</li><li>• 10-513-170 Intro to Molecular Diagnostics (2 credits)</li></ul>

## Delivery of MLT Course Material

Most MLT courses have two major components:

- 1) The didactic "lecture" content
  - This will be delivered online using NTC's learning management system (Canvas)
- 2) The laboratory component
  - This will be completed concurrently with on-campus students
  - Distance learners will perform the labs in the laboratory where the student has found clinical support

### Year 1: Fall Semester

#### **Basic Lab Skills (weeks 1-8)**

- Credit for Prior Learning available
- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Basic Lab Skills Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Estimate of clinical lab time:**
  - Student: 1 hour/week
  - Lab Preceptor: 1 hour/week

#### **Phlebotomy (weeks 1-8)**

- Credit for Prior Learning available
- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Basic Lab Skills Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Estimate of clinical lab time:**
  - Student: 2 hours/week
  - Lab Preceptor: 2 hours/week

#### **Urinalysis (weeks 9-16)**

- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Urinalysis Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Estimate of clinical lab time:**
  - Student: 4 hours/week
  - Lab Preceptor: 4 hours/week

#### **QA Lab Math (weeks 9-16)**

- This course is fully online with no laboratory component.
- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: No lab activities for this course.

### Year 1: Spring Semester

#### **Basic Hematology (weeks 1-16)**

- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Basic Hematology Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Estimate of clinical lab time:**
  - Student: 3 hours/week
  - Lab Preceptor: 1 hour/week

#### **Blood Bank (weeks 1-16)**

- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Blood Bank Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Sponsoring Lab Test Requirements:** ABO/RhType and Screen, Crossmatch: Immediate Spin and AHG, Reagent Antibodies and Reagent Red Blood Cells.
- **Estimate of clinical lab time:**
  - Student: 4 hours/week
  - Lab Preceptor: 4 hours/week

#### **Immunology (weeks 1-8)**

- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: Lab activities are in the Immunology Lab Manual. Students will submit labs online for NTC instructor feedback after completion.
- **Estimate of clinical lab time:**
  - Student: 1 hour/week
  - Lab Preceptor: 1 hour/week

#### **Coagulation (weeks 9-16)**

- This course is fully online with no laboratory component.
- Lecture: Students will follow the same schedule and due dates as on-campus learners.
- Laboratory: No lab activities for this course.

Year 2: Fall Semester			
<b><u>Clinical Chemistry</u></b> <b><u>(weeks 1-16)</u></b> <ul style="list-style-type: none"> <li>Lecture: Students will follow the same schedule and due dates as on-campus learners.</li> <li>Laboratory: Lab activities are in the Clinical Chemistry Lab Manual. Students will submit labs online for NTC instructor feedback after completion.</li> <li><b>Estimate of clinical lab time:</b> <ul style="list-style-type: none"> <li>Student: 3 hours/week</li> <li>Lab Preceptor: 1 hour/week</li> </ul> </li> </ul>	<b><u>Clinical Microbiology</u></b> <b><u>(weeks 1-16)</u></b> <ul style="list-style-type: none"> <li>Lecture: Students will follow the same schedule and due dates as on-campus learners.</li> <li>Laboratory: Lab activities are in the Clinical Microbiology Lab Manual. Students will submit labs online for NTC instructor feedback after completion.</li> <li><b>Estimate of clinical lab time:</b> <ul style="list-style-type: none"> <li>Student: 6 hours/week</li> <li>Lab Preceptor: 2 hours/week</li> </ul> </li> </ul>	<b><u>Advanced Hematology</u></b> <b><u>(weeks 1-16)</u></b> <ul style="list-style-type: none"> <li>Lecture: Students will follow the same schedule and due dates as on-campus learners.</li> <li>Laboratory: Lab activities are the performance of abnormal differentials. Students will submit labs online for NTC instructor feedback after completion.</li> <li><b>Estimate of clinical lab time:</b> <ul style="list-style-type: none"> <li>Student: 2 hours/week</li> <li>Lab Preceptor: 0.5 hour/week</li> </ul> </li> </ul>	<b><u>Advanced Microbiology</u></b> <b><u>(weeks 1-16)</u></b> <ul style="list-style-type: none"> <li>This course is fully online with no laboratory component.</li> <li>Lecture: Students will follow the same schedule and due dates as on-campus learners.</li> <li>Laboratory: No lab activities for this course.</li> </ul>
Year 2: Spring Semester			
<b><u>Clinical Experience 1, 2, 3</u></b> <ul style="list-style-type: none"> <li>All laboratory checklists and competencies are found in the Clinical Experience Student Handbook.</li> <li>Checklists and competencies are submitted online to the NTC instructor.</li> <li><b>Each week is Monday – Thursday, 32 hours per week.</b></li> <li>4 weeks of Chemistry</li> <li>4 weeks of Hematology/Coagulation</li> <li>4 weeks of Blood Bank</li> <li>3 weeks of Microbiology</li> <li>1 week of Phlebotomy/Specimen Processing</li> <li>1 week of Urinalysis</li> <li>1 week of Immunology</li> </ul>	<b><u>MLT Seminar</u></b> <ul style="list-style-type: none"> <li>This course will give students opportunities to meet via Zoom for professional development activities.</li> <li>This course is fully online with no laboratory component.</li> <li>Laboratory: No lab activities for this course.</li> </ul>	<b><u>Intro to Molecular Diagnostics</u></b> <ul style="list-style-type: none"> <li>This course is fully online with no laboratory component.</li> <li>Lecture: Students will follow the same schedule and due dates as on-campus learners.</li> <li>Laboratory: No lab activities for this course.</li> </ul>	

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