

## Division of Health Professions

# Medical Laboratory Technology

## An Associate of Applied Science Degree Program

### PROGRAM DESCRIPTION

The Medical Laboratory Technology program provides the general education core, program specific courses, and the clinical practicum to prepare students for careers as a Medical Laboratory Technician. The knowledge and skills acquired within the classroom and laboratory setting, enhances the learning opportunities for the medical laboratory technology student. Following the successful completion of the program, students are eligible to sit for the American Society of Clinical Pathology Examination.

*The Medical Laboratory Technology program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, (NAACLS).*

*NAACLS  
5600 N River Road  
Suite 720, Rosemont, Illinois 60018  
Phone: 773.714.8880*

### APPLICATION PROCEDURE

A student desiring to pursue the Associate of Applied Science degree in Medical Laboratory Technology must:

1. Submit the Northeast State Application for Admission to the Office of Admissions and Records.
2. Indicate Associate of Applied Science degree in Medical Laboratory Technology as the desired program on the Northeast State application form.
3. See a faculty advisor representing the Health Professions area prior to registering for classes and obtain faculty approval to register.

### TYPICAL PROGRAM OF STUDY

<u>Fall</u>		
BIOL 2010	Anatomy & Physiology I	4
BIOL 2230	Introduction to Microbiology	4
Elective	Humanities/Fine Arts (an approved elective from the general education core)	3
HRPR 1000	Introduction to Health-Related Professions	3
<u>Spring</u>		
BIOL 2020	Anatomy & Physiology II	4
MATH 1530	Introductory Statistics	3
ENGL 1010	English Composition I	3
PSYC 1030	Introduction to Psychology	3

**The Medical Laboratory Technology program is a selective admission program. Completing the general education requirements does not guarantee admission.**

<u>Semester I - Fall</u>		
ADMN 1306	Medical Terminology	3
MLAB 1301	Introduction to Medical Laboratory Technology	3
MLAB 2402	Hematology/Hemostasis	4
COMM 2025	Fundamentals of Communication	3
<u>Semester II - Spring</u>		
MLAB 2401	Clinical Chemistry	3
MLAB 2202	Urinalysis & Body Fluids	3
MLAB 2301	Immunohematology/Blood Bank	3
MLAB 2403	Clinical Microbiology	3

<u>Semester III - Summer</u>		
MLAB 2610	Clinical Practicum I	6

<u>Semester IV - Fall</u>		
MLAB 2620	Clinical Practicum II	6
MLAB 2350	Special Topics in Medical Laboratory Technology	3

Total Credit Hours 68

Additional courses may be required to overcome deficiencies in English, mathematics, and reading.

## TYPICAL JOB OPPORTUNITIES

Medical Laboratory Technicians may be employed in hospitals, public health facilities, physician's offices, and industries such as pharmaceutical companies. The Medical Laboratory Technician performs most analytical tests on human body fluid and tissues, providing data to the health care team for diagnosis and treatment.

## MEDICAL LABORATORY TECHNOLOGY PROGRAM ADMISSION REQUIREMENTS

The Medical Laboratory Technology program has specific admission criteria, and admission to Northeast State does not guarantee admission to this program. A student desiring admission to the Medical Laboratory Technology program must complete all required general education courses listed in the typical program of study with a grade of "C" or higher. A student must have attained an overall 2.0 grade point average. Biological science courses previously taken must have been completed within the last 10 years. Students desiring admission to the Medical Laboratory Technology program should contact the Health Professions Division office at 423.323.0238.

### Academic Year 2017-2018

Number of Students at End of Award Year	15
Program Length	2 Semesters General Education 4 Semesters Program Specific

### Graduation Information

Number of Graduates During Award Year	15
Number Graduating within Normal Time	15
On-Time Graduation Rate	100%
ASCP Board of Certification/Exam Pass Rates	
Sitting for Exam	15
Passing Exam	14
Pass Rate	93%

### Employer Satisfaction Rating

Overall Satisfaction Rating	100%
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### Placement Rate

Program Graduates Continuing their Education	3
Program Graduates Employed in Field	14
Other	0

### Program Cost (Approximate per 12 hr semester)

	2017-2018
Full Time In State	\$2,085
Full Time Out of State	\$7,825

## PROGRAM OUTCOMES

Upon completion of the program, all students will demonstrate the ability to comprehend, apply, analyze, and evaluate information relevant to their roles as entry level Medical Laboratory Technician.

Upon completion of the program, all students will demonstrate technical proficiency in all skills necessary to fulfill the role of entry level Medical Laboratory Technician.

Upon completion of the program, all students will demonstrate personal behavior consistent with professional and employer expectations for the entry level Medical Laboratory Technician.

Upon completion of the program, all students will demonstrate critical thinking skills for inquiry and analysis, assimilation of facts, and knowledge, and problem solving.

## FOR FURTHER INFORMATION CONTACT:

Rose Marie Spangler, MPH, MLS (ASCP)  
Program Director/Assistant Professor  
Telephone: 423.354.5500  
Fax: 423.245.5930  
E-mail: [rmspangler@NortheastState.edu](mailto:rmspangler@NortheastState.edu)

or

David Bryant, M.S.A.H., Associate Professor  
Interim Dean, Health Professions  
Program Director, Paramedic Education  
Telephone: 423.323.0238  
Fax: 423.245.5930  
E-mail: [dlbryant@NortheastState.edu](mailto:dlbryant@NortheastState.edu)

**Ten-Year Projected Job Increase Rate\***  
13%

### **TN Average Salary\***

\$37,210

\*Source:

Tennessee Bureau of Labor Statistics  
<http://www.bls.gov>

Northeast State Community College is part of the Tennessee Board of Regents system, the nation's sixth largest higher education system, governing 46 post-secondary educational institutions. The TBR system includes six universities, 13 two-year colleges and 27 technology centers, providing programs in 90 of Tennessee's 95 counties to more than 200,000 students.

Northeast State Community College does not discriminate against students, employees or applicants for admission or employment on the basis of race, color, religion, creed, ethnic national origin, sex, sexual orientation, gender identity/expression, disability, age, status as a covered veteran, genetic information or any other legally protected class with respect to all employment, programs and activities. The following person has been designated to handle inquiries regarding the non-discrimination policies: Dr. Tim Harrison, Equity & Compliance Officer/Chief Advancement Officer, P.O. Box 246, Blountville, TN 37617-0246, 423.354.5296, [complianceofficer@NortheastState.edu](mailto:complianceofficer@NortheastState.edu). Northeast State Community College's policy on nondiscrimination can be found at <http://cwis.northeaststate.edu/oie/policymanual/pol.asp?p=254>.

Northeast State is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award the associate degree. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Northeast State.