

MEDICAL LABORATORY TECHNOLOGY

Associate of Applied Science degree



Program and Career Description:

The Medical Laboratory Technician possesses the technical skills necessary to perform routine testing in the areas of hematology, serology, coagulation, clinical microbiology, clinical chemistry, blood banking, and urinalysis in clinical laboratories of hospitals, clinics, and physician offices under the supervision of a physician and/or medical technologist.

The medical laboratory technician has diverse and multi-level functions in the areas of collecting, processing, and analyzing biological specimens and other substances, principles and methodologies, performance of assays, problem solving, troubleshooting techniques, significance of clinical procedures and results, principles and practices of quality assessment, for all major areas practiced in the contemporary clinical laboratory.

How long is the program?

Columbia State's program is designed with a focus on general education/foundation courses Fall/Spring of the first academic year. A new cohort of students will start the intense sequence of core courses each summer for three semesters (12 months.)

What does the program provide?

A competency based classroom & clinical experience which provides students with the tools for licensure examination success, gainful in-field employment, and career satisfaction.

How is the job market?

The demand for entry-level MLTs is strong across the region.

Program policies under development, contact program director for further information.

- Admission criteria finalized Fall 2016.
- Interested students MUST enroll in MLAB 1301 Spring 2017
- Applications accepted Spring 2017.
- Inaugural cohort begins Summer 2017.
- Projected 1st Graduating Class May 2018.

Transfer Options

The Medical Laboratory Technology associate of applied science degree is designed for career-entry. However, some universities may accept some or all of the course work for transfer. Transfer credit is awarded at the discretion of the receiving institution. Students are advised to inquire directly with advisors at the university level regarding expectations for transfer.

www.columbiastate.edu/medlab



MEDICAL LABORATORY TECHNOLOGY

Major in Medical Laboratory Technology (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010
SPCH 1010

Humanities/Fine Arts (Take 1 course)

ART 1030
ARTH 2010, 2020
ENGL 2015, 2130, 2230, 2330, 2920
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030

Natural Science Requirement

BIOL 2010, BIOL 2020, BIOL 2230*

Mathematics Requirement

MATH 1530*

Social/Behavioral Sciences

PSYC 1030

*Biology and math courses must have been completed no more than five years prior to start of the program.

Core Courses

ADMN 1306
MLAB 1301, 1310, 1320, 2130, 2201, 2202, 2301, 2310, 2401, 2402, 2403, 2420

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- GPA of at least 2.0 in program courses.
- cumulative GPA must be at least 2.0 or higher
- taking the Exit Exam.

If you have completed TN eCampus courses, run a degree audit from the student tab in myChargerNet to determine how these courses apply to this program.

Sample Academic Plan

Fall Semester 2016

___ ENGL 1010	English Composition I	3
___ BIOL 2010	Human Anatomy & Physiology I	4
___ MATH 1530	Elementary Statistics	3
___ ADMN 1306	Medical Terminology	3
___ COLS 101	Columbia State College Success	1
		14

Spring Semester 2017

___ BIOL 2020	Human Anatomy & Physiology II	4
___ Humanities/Fine Arts Requirement		3
___ BIOL 2230	Microbiology	4
___ MLAB 1301	Intro to Medical Laboratory	3
		14

Summer Semester 2017

___ MLAB 2402	Hematology	4
___ MLAB 2403	Clinical Microbiology	4
___ MLAB 2202	Urinalysis/Body Fluids	2
___ MLAB 2201	Clinical Immunology	2
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Fall Semester 2017

___ MLAB 2301	Blood Bank	3
___ MLAB 1310	Practicum I	3
___ MLAB 1320	Practicum II	3
___ SPCH 1010	Fundamentals of Speech Communication	3
		12

Spring Semester 2018

___ MLAB 2310	Practicum III	3
___ MLAB 2420	Practicum IV	4
___ MLAB 2130	Seminar I	1
___ MLAB 2401	Clinical Chemistry	4
___ PSYC 1030	General Psychology	3
		15

TOTAL CREDIT HOURS 67

For more information contact:

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or

Health Sciences Division office at

931.540.2599 or 931.540.2600