

PRE-CLINICAL LAB SCIENCE

Associate of Science degree



Program and Career Description:

This two-year academic pathway is designed for students who intend to complete an Associate's Degree and transfer directly to a 4-year institution to pursue a Bachelor's degree. Students who complete the A.S. degree at Columbia State combined with upper division coursework at a 4-year institution will be eligible to apply for credentialing examinations and/or licensure.

Medical Technologists determine normal and abnormal components of body fluids by conducting chemical analyses of blood, urine, spinal fluids, and gastric juices. Medical Technologists also analyze blood cells by counting and identifying cells, using microscopic techniques and procedures.

Career	Entry-Level Education	Entry-Level Pay	Median Pay	Experienced Pay
Medical Technologist	Bachelor's degree	≤ \$41,550	\$61,070	≥ \$85,160

Career and salary information taken from Bureau of Labor Statistics, U. S. Department of Labor on the internet at www.bls.gov. Check out the [Occupational Outlook Handbook](#) on this website for additional information about similar occupations, education requirements and abilities, and job outlook for these careers. Salaries are not guaranteed.

Students who desire a marketable credential and plan to enter the workforce directly from Columbia State should select the A.A.S. Medical Laboratory Technology as opposed to the A.S. Pre-Clinical Lab Science transfer pathway.

Transfer Options

This program is a Tennessee Transfer Pathway (TTP) major. A student who completes the associates degree in this major is guaranteed that all required community college courses will be accepted in this major at the transfer institution. To see which four-year institutions offer this TTP major and guarantees a seamless transfer, visit the Tennessee Transfer Pathway website at www.tntransferpathway.org.

Articulation agreements exist between other private and non-TN public institutions. These agreements are available at www.columbiastate.edu/admissions/transfer-information.



PRE-CLINICAL LAB SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Pre-Clinical Lab Science (A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
COMM 2025 or COMM 2055
ENGL 1010, 1020

History Requirement (Take 2 courses)
HIST 2010, 2020, 2030, 2310, 2320

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)
ART 1035, 2000, 2020
ENGL 2160, 2860
HUM 1010, 1020
MUS 1030
PHIL 1030, 1040, 2200
THEA 1030
Literature Options: ENGL 2055, 2130, 2235, 2310, 2320

Natural Sciences Requirement
BIOL 2010, 2020*

Mathematics Requirement**
MATH 1730

Social/Behavioral Sciences
SOC 1010 or SOC 1040
PSYC 1030

Major Required Courses
BIOL 2230
CHEM 1110, 1120, 2010, 2020
COLS 101

*The University of Tennessee Health Science Center (UTHSC) requires BIOL 1110, 1120 sequence; one can be substituted for Human Anatomy & Physiology II.

**Previous credit for MATH 1710 will fulfill the Mathematics degree requirement.

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.

Requirements for Graduation include:

- earning 25% of total program credits in residence at Columbia State.
- earn a cumulative GPA of 2.0 or higher.
- taking the Exit Exam.

Sample Academic Plan

First Year – Fall Semester

___ ENGL 1010	English Composition I	3
___ PSYC 1030	Introduction to Psychology	3
___ CHEM 1110	General Chemistry I	4
___ BIOL 2010	Human Anatomy & Physiology I*	4
___ MATH 1730	Precalculus**	4
___ COLS 101	Columbia State College Success	1
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First Year – Spring Semester

___ ENGL 1020	English Composition II	3
___ Humanities/Fine Arts		3
___ CHEM 1120	General Chemistry II	4
___ BIOL 2020	Human Anatomy & Physiology II*	4
___ History Requirement		3
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Second Year – Fall Semester

___ CHEM 2010	Organic Chemistry I	4
___ COMM 2025	Fundamentals of Communication or	
___ COMM 2055	Argumentation and Debate	3
___ Literature Requirement		3
___ SOCI 1010	Introduction to Sociology or	
___ SOCI 1040	Social Problems	3
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Second Year – Spring Semester

___ CHEM 2020	Organic Chemistry II	4
___ Humanities/Fine Arts		3
___ History Requirement		3
___ BIOL 2230	Microbiology	4
		14

TOTAL CREDIT HOURS 62

Additional hours of coursework may be required prior to acceptance in to a professional school. Please check with the institution you wish to transfer to for any prerequisites.

For more information contact:

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or

Health Sciences Division office at

931.540.2599 or 931.540.2600

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