

PRE-CLINICAL LAB SCIENCES

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	Salaries upon completion of 4-year degree and Professional School
Medical Technologist	\$51,000

Career and salary information taken from www.bls.gov. Check out this web site for additional information about education requirements and preferred work styles and abilities 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

Per the *Complete College Tennessee Act of 2010*, this degree will be transferable to any of the following universities offering a Baccalaureate degree in this major:

- Austin Peay State University
- East Tennessee State University
- Middle Tennessee State University
- Tennessee Tech University
- University of Memphis

Articulation agreements exist between other private and non-TN public institutions. The most current information is available at www.columbiastate.edu/admissions/transfer-information.



PRE-CLINICAL LAB SCIENCES

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

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement

ENGL 1010, 1020
SPCH 1010 or SPCH 1030

History Requirement (Take 2 courses)

HIST 1110, 1120, 2010, 2020, 2030

Humanities/Fine Arts (Take 3 courses -- one must be a literature course)

ART 1030
ARTH 2010, 2020
ENGL 2015
HUM 1130, 1131
MUS 1030
PHIL 1030, 2030, 2033
THEA 1030
Literature Options: ENGL 2130, 2230, 2310, 2320, 2920

Natural Sciences Requirement

BIOL 2010, 2020*

Mathematics Requirement**

MATH 1730

Social/Behavioral Sciences

SOCI 1010 or SOCI 1020
PSYC 1030

Major Required Courses

BIOL 2230
CHEM 1110, 1120, 2010, 2020

*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.
- cumulative GPA must be 2.0.
- taking the Exit Exam.

Sample Academic Plan

First Year – Fall Semester

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

___ ENGL 1020	Composition II	3
___ Humanities/Fine Arts		3
___ CHEM 1120	General Chemistry II	4
___ BIOL 2020	Human Anatomy & Physiology II*	4
___ History Requirement		3
		17

Second Year – Fall Semester

___ CHEM 2010	Organic Chemistry I	4
___ SPCH 1010	Fundamentals of Speech Communication <u>or</u>	
___ SPCH 1030	Argumentation and Debate	3
___ Literature Requirement		3
___ SOCI 1010	Introduction to Sociology <u>or</u>	
___ SOCI 1020	Social Problems	3
		13

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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healthsciences@columbiastate.edu
or
931.540.2599 or 931.540.2600