

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.

How is the Job Market?

Check out www.jobs4tn.gov website for information about job descriptions, education requirements and abilities, and supply and demand for these careers. For additional information from a national perspective, go to Bureau of Labor Statistics, U. S. Department of Labor website at www.bls.gov. Visit the [Occupational Outlook Handbook](#) on this website. 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.

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

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.

For assistance contact:

Health Sciences Division Office, Walter 112 (Columbia)

or

healthsciences@columbiastate.edu

or

931.540.2599 or 931.540.2600

Columbia State Community College, a Tennessee Board of Regents institution, is an equal opportunity, affirmative action educational institution.
CoSCC- PRE-CLS-02-01-20



Student ID: _____
Student Name: _____
Adviser Name: _____

Catalog: 2020-2021 Catalog and Student Handbook
Program: Pre-Clinical Laboratory Science, A.S.
Minimum Credits Required: _____

Pre-Clinical Laboratory Science, A.S.

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

Sample Academic Plan - Total Credit Hours: 62

Program Requirements - Students may be required to take additional Learning Support courses. Courses cannot be used more than once to satisfy program requirements.

First Year - Fall Semester - Credit Hours: 18

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENGL 1010 - English Composition I	Credits: 3			
PSYC 1030 - Introduction to Psychology	Credits: 3			
CHEM 1110 - General Chemistry I	Credits: 4			
BIOL 2010 - Human Anatomy and Physiology I	Credits: 4			
COLS 101 - Columbia State College Success	Credits: 1			
MATH 1710 - Precalculus Algebra OR MATH 1720 Precalculus Trigonometry OR MATH 1730 Precalculus OR MATH 1830 Applied Calculus OR MATH 1910 Calculus I	Credits: 3			

First Year - Spring Semester - Credit Hours: 17

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENGL 1020 - English Composition II	Credits: 3			
CHEM 1120 - General Chemistry II	Credits: 4			
BIOL 2020 - Human Anatomy and Physiology II **	Credits: 4			
COMM 2025 - Fundamentals of Communication OR COMM 2055 Argumentation and Debate	Credits: 3			
² General Education - Humanities/Fine Arts Requirement	Credits: 3			

Second Year - Fall Semester -Credit Hours: 13

Course Name	Credits:	Term Taken	Grade	Gen Ed
CHEM 2010 - Organic Chemistry I	Credits: 4			
HIST 2010 - Early United States History	Credits: 3			
SOCI 1010 - Introduction to Sociology OR SOCI 1040 Social Problems	Credits: 3			
² General Education - Literature Requirement	Credits: 3			

Second Year - Spring Semester - Credit Hours: 14

Course Name	Credits:	Term Taken	Grade	Gen Ed
CHEM 2020 - Organic Chemistry II	Credits: 4			
BIOL 2230 - Microbiology *	Credits: 4			
HIST 2020 - Modern United States History	Credits: 3			
² General Education - Humanities/Fine Arts Requirement	Credits: 3			

General Education Requirements (Only When Option Noted Above)

¹**History Requirement** - Select from HIST 2010, HIST 2020, HIST 2030, HIST 2310, HIST 2320.

²**Humanities/Fine Arts Requirement** - Select from ART 1035, ART 2000, ART 2020, ENGL 2160, ENGL 2860, HUM 1010, HUM 1020, MUS 1030, PHIL 1030, PHIL 1040, PHIL 2200, THEA 1030. **Literature Options:** ENGL 2055, ENGL 2130, ENGL 2235, ENGL 2310, ENGL 2320.

³**Mathematics Requirement** - Select from MATH 1010, MATH 1130, MATH 1530, MATH 1630, MATH 1710, MATH 1720, MATH 1730, MATH 1830, MATH 1910.

⁴**Natural Sciences Requirement** - Select from ASTR 1030, BIOL 1010, BIOL 1020 , BIOL 1080 (*must pair with non-biology course except for BIOL 2010 or BIOL 2020*), BIOL 1110, BIOL 1120, BIOL 2010, BIOL 2020, CHEM 1110, CHEM 1120, ESCI 1010, ESCI 1020, PHYS 2010, PHYS 2020, PHYS 2110, PHYS 2120, PSCI 1030.

⁵**Social/Behavioral Science Requirement** - Select from ANTH 1230, ANTH 1430, COMM 1010, ECON 2100, ECON 2200, GEOG 2010, PHED 2120, POLS 1010, POLS 1030, POLS 2025, POLS 2035, PSYC 1030, PSYC 2130, SOCI 1010, SOCI 1040, SOCI 2010.

Note(s):

*May satisfy upper level course requirement at 4 yr. institution.

**Students transferring to The University of Tennessee Health Science Center (UTHSC) requires BIOL 1110/BIOL 1120 sequence; one can be substituted for BIOL 2020 Human Anatomy and Physiology II.

Check www.tntransferpathway.org to see which four-year institutions offer this TTP major. Students should meet with their assigned advisor to determine courses required for the university chosen.

Students and advisors should run a degree audit from myChargerNet each semester to confirm classes are applicable to the program of study.

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:

**Health Sciences Division office, Walter 112 or healthsciences@columbiastate.edu
931.540.2599 or 931.540.2600**