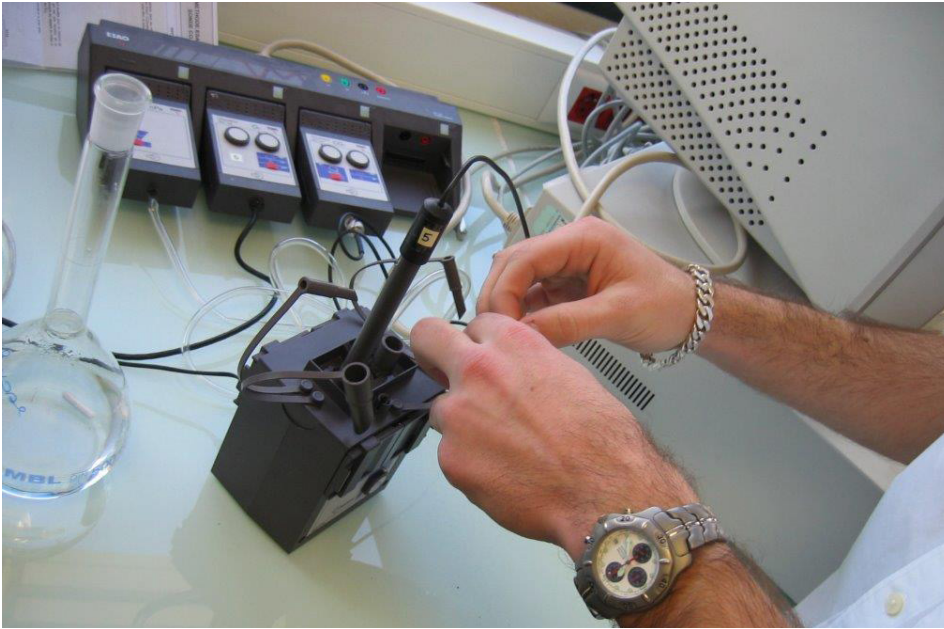# COMPUTER SCIENCE
Associate of Science degree

Program and Career Description:

The Computer Science emphasis is a two-year program for students planning to complete a bachelor's degree in Computer Science. Students will develop strong problem-solving, communication and team skills and be able to design, implement and document computer software systems. Employment of computer technology occupations is projected to grow 12 percent from 2014 to 2024, faster than the average for all occupations. Below are a few examples of career and salary estimates.

Career	Entry-Level Education	Entry-Level Pay	Median Pay	Experienced Pay
Database Administrator	Bachelor's degree	$51,830	$76,180	$100,520
Computer Programmer	Bachelor's degree	$46,610	$85,080	$90,000
Information Security Analyst	Bachelor's degree	$45,840	$71,572	$97,300

Career and salary information taken from *JOBS4TN.GOV*. Check out this website for additional 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 on the internet at *www.bls.gov*. Visit the Occupational Outlook Handbook on this website. Salaries are not guaranteed.

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*.

COLUMBIA STATE COMMUNITY COLLEGE

COMPUTER SCIENCE

Major in Tennessee Transfer Pathway with Emphasis in Computer 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
Select one eight-hour sequence from the following:
BIOL 1110, 1120
CHEM 1110, 1120
PHYS 2010, 2020
*PHYS 2110, 2120

Mathematics Requirement
MATH 1910

Social/Behavioral Sciences
ANTH 1230, 1430
ECON 2100, 2200
GEOG 2010
MCOM 1110
PHED 2120
POLS 1010, 1030, 2025, 2035
PSYC 1030, 2130
SOCI 1010, 1040, 2010

Major Required Courses
CISP 1010, 1020, 2410
COLS 101
MATH 1920, 2010

*Students planning to transfer to the University of Tennessee, Knoxville must complete PHYS 2110, 2120.

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.

2018-2019 Catalog Draft

Sample Academic Plan

First Year – Fall Semester

____	ENGL 1010	English Composition I	3
____	Humanities/Fine Arts Requirement		3
____	MATH 1910	Calculus I	4
____	CISP 1010	Computer Science I	4
____	COLS 101	Columbia State College Success	1
			15

First Year – Spring Semester

____	ENGL 1020	English Composition II	3
____	COMM 2025	Fundamentals of Communication **or**	
	COMM 2055	Argumentation and Debate	3
____	MATH 1920	Calculus II	4
____	CISP 1020	Computer Science II	4
____	Humanities/Fine Arts Requirement		3
			17

Second Year – Fall Semester

____	CISP 2410	Assembly & Computer Organization	4
____	MATH 2010	Introduction to Linear Algebra	3
____	Natural Science Requirement		4
____	Social/Behavioral Science Requirement		3
____	History Requirement		3
			17

Second Year – Spring Semester

____	Literature Requirement	3
____	Social/Behavioral Science Requirement	3
____	Natural Science Requirement	4
____	History Requirement	3
		13

TOTAL CREDIT HOURS 62

At some universities, foreign language may be required in certain programs that lead to the Bachelor of Science Degree. Complete information regarding foreign language requirements at each university may be found on the transfer and articulation web sites of the Tennessee Board of Regents and the University of Tennessee System. Community college students are encouraged to be familiar with foreign language requirements at the universities and, if applicable, complete the requirements before transferring.

**For more information contact:
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or
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931.540.2710**