COMPUTER INFORMATION TECHNOLOGY
Associate of Applied Science degree

Program and Career Description:

The Associate of Applied Science degree in Computer Information Technology prepares students for positions in the workplace through the use of various systems, applications, languages, and products. These subject-specific courses focus on those skill sets identified by employers as essential in today's workplace and, where appropriate, will prepare students for industry-recognized certification examinations. The concentrations are designed to ensure that students have the proper experience, training, and skills to begin work in the chosen field upon successful completion of the chosen program of study.

Career	Entry-Level Pay	Median Pay	Experienced Pay
User Support Specialist	$31,610	$45,500	$57,110
Network Support Specialist	$40,120	$57,990	$73,470
Information Security Analyst	$45,840	$71,572	$97,300
Software Developers, Applications	$53,710	$82,740	$99,660
Robotic Technicians	$34,230	$50,920	$65,290

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 degree program is in compliance with the Common Course Curriculum Library for the A.A.S. in Computer Information Technology program as delivered by the Tennessee Board of Regents community colleges.

This degree program is not designed for transfer to a four year college or university. However, some agreements are in place that will allow credit to be given for a portion or the entirety of this degree path. Please check with the transfer institution or your advisor for specific details.

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

ACBSP
ACCREDITED

COLUMBIA STATE COMMUNITY COLLEGE

COMPUTER INFORMATION TECHNOLOGY

Major in Computer Information Technology (A.A.S.)

Program Requirements

Students may be required to take additional Learning Support courses.

Communications Requirement
COMM 2025 or COMM 2055
ENGL 1010

Humanities/Fine Arts (Take one course)
ART 1035, 2000, 2020
ENGL 2055, 2130, 2160, 2235, 2310, 2320, 2860
HUM 1010, 1020
MUS 1030
PHIL 1030, 1040, 2200
THEA 1030

Mathematics Requirement
MATH 1530

Social/Behavioral Sciences (Take one course)
ECON 2100 **or** 2200

CITC Major Field Core Requirements
CITC 1300, 1301, 1303, 1323, 2390

Columbia State Major Field Core Requirements
BUSN 2375, 1310
CITC 1307, 1372
COLS 101
INFS 1010

Cyber Defense Concentration Core Courses:
CITC 1351, 2326, 2352
Guided Electives (Take 2 courses from the following):
CITC 1320, 1333, 2351, 2354, 2361, 2372

Mobile Technologies Concentration Core Courses:
CITC 1371 **or** 1373
CITC 2371, 2372
Guided Electives (Take 2 courses from the following):
CISP 1010
CITC 1320, 1333, 1371, 1373, 2361

Networking Concentration Core Courses:
CITC 1320, 1324, 2320, 2326
Guided Elective (Take 1 course from the following):
CITC 1333, 2351, 2361, 2371, 2372

Programming Concentration Core Courses:
CISP 1010, 1020
CITC 2340
Guided Elective - CISP 2410

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.

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Cyber Defense Concentration

Sample Academic Plan*

First Year – Fall Semester

____	ENGL 1010	English Composition I	3
____	BUSN 1310	Business Communication	3
____	INFS 1010	Computer Applications	3
____	CITC 1301	Intro to Programming and Logic	3
____	Humanities/Fine Arts - PHIL 1040		3
____	COLS 101	Columbia State College Success	1
			16

First Year – Spring Semester

____	MATH 1530	Introductory Statistics	3
____	CITC 1300	Beginning HTML and CSS	3
____	CITC 1303	Database Concepts	3
____	CITC 1307	Introduction to Spreadsheets	3
____	CITC 1323	CCNA I	3
			15

Second Year – Fall Semester

____	BUSN 2375	Career Development	3
____	ECON 2100	Principles of Macroeconomics **or**	
	ECON 2200	Principles of Microeconomics	3
____	CITC 1351	Principles of Information Assurance	3
____	CITC 2326	Network Security	3
____	Guided Elective - CITC 1320		3
			15

Second Year – Spring Semester

____	CITC 2390	CITC Capstone	3
____	CITC 1372	Android Mobile Applications	3
____	CITC 2352	Digital Forensics	3
____	Guided Elective - CITC 2372		3
____	COMM 2025	Fundamentals of Communication **or**	
	COMM 2055	Argumentation and Debate	3
			15

TOTAL CREDIT HOURS 61

*Sample Academic Plans assume no prior college credit and no Learning Support requirements. Students must meet with advisors to determine applicability of earned college credit.

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 more information contact:
Deepa Janakiraman at
djanakiraman@columbiastate.edu or 615.790.5984
or
Science, Technology & Math Division office at
931.540.2710

COMPUTER INFORMATION TECHNOLOGY

Major in Computer Information Technology (A.A.S.)

Mobile Technologies Concentration

Sample Academic Plan*

First Year – Fall Semester

____	ENGL 1010	English Composition I	3
____	MATH 1530	Introductory Statistics	3
____	INFS 1010	Computer Applications	3
____	CITC 1301	Intro to Programming and Logic	3
____	Humanities/Fine Arts - ART 1035		3
____	COLS 101	Columbia State College Success	1
			16

First Year – Spring Semester

____	BUSN 1310	Business Communication	3
____	CITC 1300	Beginning HTML and CSS	3
____	CITC 1303	Database Concepts	3
____	CITC 1307	Introduction to Spreadsheets	3
____	CITC 1323	CCNA I	3
			15

Second Year – Fall Semester

____	BUSN 2375	Career Development	3
____	ECON 2100	Principles of Macroeconomics **or**	
	ECON 2200	Principles of Microeconomics	3
____	CITC 2371	Mobile Networks & Communication	3
____	CITC 1373	iOS App Development	3
____	Guided Elective - CITC 1320		3
			15

Second Year – Spring Semester

____	CITC 2390	CITC Capstone	3
____	CITC 1372	Android Mobile Applications	3
____	CITC 2372	Mobile Security	3
____	Guided Elective - CITC 1371		3
____	COMM 2025	Fundamentals of Communication **or**	
	COMM 2055	Argumentation and Debate	3
			15

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Networking Concentration

Sample Academic Plan*

First Year – Fall Semester

____	ENGL 1010	English Composition I	3
____	MATH 1530	Introductory Statistics	3
____	INFS 1010	Computer Applications	3
____	CITC 1301	Intro to Programming and Logic	3
____	Humanities/Fine Arts - MUS 1030		3
____	COLS 101	Columbia State College Success	1
			16

First Year – Spring Semester

____	BUSN 1310	Business Communication	3
____	CITC 1300	Beginning HTML and CSS	3
____	CITC 1303	Database Concepts	3
____	CITC 1307	Introduction to Spreadsheets	3
____	CITC 1323	CCNA I	3
			15

Second Year – Fall Semester

____	BUSN 2375	Career Development	3
____	ECON 2100	Principles of Macroeconomics **or**	
	ECON 2020	Principles of Microeconomics	3
____	CITC 1324	CCNA II	3
____	CITC 1320	A+ Hardware and Software	3
____	CITC 2326	Network Security	3
			15

Second Year – Spring Semester

____	CITC 2390	CITC Capstone	3
____	CITC 1372	Android Mobile Applications	3
____	CITC 2320	Windows Server Administration	3
____	Guided Elective - CITC 2372		3
____	COMM 2025	Fundamentals of Communication **or**	
	COMM 2055	Argumentation and Debate	3
			15

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COMPUTER INFORMATION TECHNOLOGY

Major in Computer Information Technology (A.A.S.)

Programming Concentration

Sample Academic Plan

First Year – Fall Semester

____	ENGL 1010	English Composition I	3
____	MATH 1530	Introductory Statistics	3
____	INFS 1010	Computer Applications	3
____	CITC 1301	Intro to Programming and Logic	3
____	Humanities/Fine Arts - PHIL 1040		3
____	COLS 101	Columbia State College Success	1
			16

First Year – Spring Semester

____	BUSN 1310	Business Communication	3
____	CITC 1300	Beginning HTML and CSS	3
____	CITC 1303	Database Concepts	3
____	CITC 1307	Introduction to Spreadsheets	3
____	CITC 1323	CCNA I	3
			15

Second Year – Fall Semester

____	BUSN 2375	Career Development	3
____	ECON 2100	Principles of Macroeconomics **or**	
	ECON 2200	Principles of Microeconomics	3
____	CISP 1010	Computer Science I	4
____	CITC 2340	Adv. Database Concepts & Programming	3
____	COMM 2025	Fundamentals of Communication **or**	
	COMM 2055	Argumentation and Debate	3
			16

Second Year – Spring Semester

____	CITC 2390	CITC Capstone	3
____	CITC 1372	Android Mobile Applications	3
____	CISP 1020	Computer Science II	4
____	CISP 2410	Assembly & Computer Organization	3
____	CITC 2199	CO-OP /Internship I	1
			14

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