COMPUTER INFORMATION TECHNOLOGY
PROGRAMMING
Associate of Applied Science degree

Program and Career Description:

This concentration is a preparation for a career as a programmer or software engineer. Emphasis is placed on issues related to knowing how to use the features of object programming languages like java, the design and implementation of classes and objects, the process of developing and maintaining software. Students will also develop strong critical thinking skills and will learn by doing along with real world internship experiences.

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 on the internet at *www.bls.gov*. Visit the Occupational Outlook Handbook on this website. Salaries are not guaranteed.

Transfer Options

Courses in the Computer Information Technology A.A.S. Degree program transfer to other community colleges as part of the Tennessee Board of Regents unified community college effort.

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. Some of 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 GPA of at least 2.0 or higher.
• 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 or stm@columbiastate.edu

ACBSP
ACCREDITED

COLUMBIA STATE COMMUNITY COLLEGE

Computer Information Technology, Programming Concentration, A.A.S.

Sample Academic Plan - Total Credit Hours: 61

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

First Year - Fall Semester - Credit Hours: 16

Course Name	Credits:	Term Taken	Grade	Gen Ed
ENGL 1010 - English Composition I	Credits: 3			
MATH 1530 - Introductory Statistics	Credits: 3			
INFS 1010 - Computer Applications	Credits: 3			
CITC 1301 - Introduction to Programming and Logic	Credits: 3			
[2] General Education - Humanities/Fine Arts Requirement (recommend PHIL 1040)	Credits: 3			
COLS 101 - Columbia State College Success	Credits: 1			

First Year - Spring Semester - Credit Hours: 15

Course Name	Credits:	Term Taken	Grade	Gen Ed
BUSN 1310 - Business Communications	Credits: 3			
CITC 1300 - Beginning HTML & CSS	Credits: 3			
CITC 1303 - Database Concepts	Credits: 3			
CITC 1307 - Introduction to Spreadsheets	Credits: 3			
CITC 1323 - CCNA I	Credits: 3			

Second Year - Fall Semester - Credit Hours: 16

Course Name	Credits:	Term Taken	Grade	Gen Ed
BUSN 2375 - Career Development	Credits: 3			
CISP 1010 - Computer Science I	Credits: 4			
CITC 2340 - Advanced Database Concepts & Programming	Credits: 3			
ECON 2100 - Principles of Macroeconomics **OR** ECON 2200 Principles of Microeconomics	Credits: 3			
COMM 2025 - Fundamentals of Communication **OR** COMM 2055 Argumentation and Debate	Credits: 3			

Second Year - Spring Semester - Credit Hours: 14

Course Name	Credits:	Term Taken	Grade	Gen Ed
CITC 1372 - Android App Development	Credits: 3			
CITC 2390 - Capstone Course in Computer Information	Credits: 3			
CISP 1020 - Computer Science II	Credits: 4			
CISP 2410 - Assembly & Computer Organization	Credits: 4			

Note(s):

[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.

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.

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

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