B.S. Computer Science: Cyber Security

This pathway leads from a Computer Science A.S. (TTP) degree from Chattanooga State Community College to a Bachelor of Science degree with a major in Computer Science: Cyber Security from the University of Tennessee at Chattanooga.

Chattanooga State Community College

First Year – 29 Hours

Fall Semester:	Hrs	Spring Semester:	Hrs
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II*	3
Math Sequence Course I (MATH 1910: Calculus I)*/**	4	Math Sequence Course II (MATH I920: Calculus II)*/**	4
Humanities/Fine Arts to satisfy Gen Ed	3	Humanities/Fine Arts to satisfy Gen Ed	3
History to satisfy Gen Ed	3	History to satisfy Gen Ed	3
		COMM 2025: Fundamentals of Communication	3
	13		16

Second Year – 31 Hours

Fall Semester:	Hrs	Spring Semester:	Hrs
CISP 1010: Computer Science I*	4	CISP 1020: Computer Science II*	4
Math Sequence Course III (MATH 2010: Introduction to Linear Algebra)*/**	3	CISP 2410: Assembly & Computer Organization	3
Natural Science to satisfy Gen Ed	4	Natural Science to satisfy Gen Ed	4
CRMJ 1010: Intro to Criminal Justice (Social/Behavioral Science)***	3	Social/Behavioral Science to satisfy Gen Ed	3
Literature to satisfy Gen Ed	3		
	17		14

* Must earn a C or better grade

**The Computer Science major requires completion of MATH 1910: Calculus I, MATH I920: Calculus II and MATH 2010: Introduction to Linear Algebra either at the community college or at the university

***Course required to satisfy UTC Computer Science: Cyber Security degree requirements

Students should verify Chattanooga State Community College graduation requirements.

University of Tennessee at Chattanooga

Third Year – 32 Hours

Fall Semester:	Hrs	Spring Semester:	Hrs
MATH 2030: Discrete Math for Comp. Science, 3030: Discrete Structures, or 3000: Intro to Logic & Proof	3	MATH 2100: Introductory Stats, ENCE 2220: Probability and Stats for Engineering, or MATH 3100: Applied Statistics	3
CPSC 2100: Software Design and Development	3	CPEN 4700: Computer Architecture	3
CPSC 2800: Intro to Operating Systems	3	CPSC 3200: Algorithm Analysis & Advanced Data Structures	3
CPSC 3610: Ethical & Social Issues in Computing	3	CPSC 3600: Principles of Information Security and Assurance	3
CPEN 3700: Digital Logic & Intro to Computer Hardware	4	Natural Science with Lab Sequence	4
	16		16

Fourth Year – 38 Hours

Fall Semester:	Hrs	Spring Semester:	Hrs
CPEN 3710: Computer System Organization and Assembly Language Programming	4	CPSC 4910r: Senior Capstone or 4995r: Thesis	3
CPSC 3220: File & Database Processing	3	CPSC 4270: Database and Security	3
CPSC 4100: Survey of Programming Languages	3	CPSC 4600: Biometrics and Cryptography	3
CPSC 4550: Computer Networks	3	CPSC 4620: Computer Network Security	3
CPSC 4680: Computer Crime Investigation	3	CPSC 4660: Systems Vulnerability Analysis & Auditing	3
CPSC 4900: Software Engineering	3	Natural Science with Lab Sequence	4
	19		19

Completed:			
Graduation Requirements:		**Degree Requirements:**	
122 Total Hours		35 General Education Hours	
39 Upper Division (3000-4000) Hours		95 Program (Major) Hours	
30 Hours at UTC		Minor *(Not Required)*	
60 Hours at 4-year institution		Elective Hours *(Not Required)*	
		Foreign Language Hours *(Not Required)*	

This Transfer Path is a supplemental resource only. Students should consult their catalog year for official lists of general education courses, program requirements, pre-requisites, and co-requisites.