

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: Data Science from the University of Tennessee at Chattanooga.

Chattanooga State Community College

First Year – 27-29 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II*	3
Math Sequence Course I (MATH 1710, 1720, 1910, or 1920)*/**	3-4	Math Sequence Course II (MATH 1720, 1910, 1920, or 2010)*/**	3-4
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
	12-13		15-16
Second Year – 31-32 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
CISP 1010: Computer Science I*	4	CISP 1020: Computer Science II*	4
Math Sequence Course III (MATH 1910, 1920, or 2010)*/**	3-4	CISP 2410: Assembly & Computer Organization	3
Natural Science to satisfy Gen Ed	4	Natural Science to satisfy Gen Ed	4
Social/Behavioral Science to satisfy Gen Ed	3	Social/Behavioral Science to satisfy Gen Ed	3
Literature to satisfy Gen Ed	3		
	17-18		14

* Must earn a C or better grade

**The Computer Science major requires completion of MATH 1910: Calculus I, MATH 1920: Calculus II and MATH 2010: Introduction to Linear Algebra either at the community college or at the university

Students should verify Chattanooga State Community College graduation requirements.

University of Tennessee at Chattanooga

Third Year – 34-41 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
CPSC 1000: Intro to Computing	3	MATH 3100: Applied Statistics	3
CPSC 2100: Software Design and Development	3	Approved CPSC or Tech Elective (3000-4000 level)	3
CPSC 2800: Intro to Operating Systems	3	CPSC 3610: Ethical & Social Issues in Computing	3
CPEN 3700: Digital Logic & Intro to Computer Hardware	4	CPSC 3200: Algorithm Analysis & Advanced Data Structures	3
MATH 2030: Discrete Math for Comp. Science, 3030: Discrete Structures, or 3000: Intro to Logic & Proof	3	CPSC 3220: File & Database Processing	3
MATH 1960: Calculus with Analytic Geometry II or MATH 2200: Elementary Linear Algebra***	0-4	MGT 3110: Operations Mgmt, 3560: Mgmt Science, or 4280: Supply Chain Mgmt	3
		MATH 2200: Elementary Linear Algebra ***	0-3
	16-20		18-21
Fourth Year – 38 Hours			
<i>Fall Semester:</i>	Hrs	<i>Spring Semester:</i>	Hrs
MGT 3110: Operations Mgmt, 3560: Mgmt Science, or 4280: Supply Chain Mgmt	3	CPSC 4910r: Senior Capstone or 4995r: Thesis	3
CPSC 4240: Principles of Data Analytics	3	CPSC 4100: Survey of Programming Languages	3
CPSC 4430: Intro to Machine Learning	3	CPSC 4180: Programming Languages for Advanced Data	3
CPEN 4700: Computer Architecture	3	CPSC 4530: Data Visualization and Exploration	3
CPSC 4900: Software Engineering	3	Approved CPSC or Tech Elective (3000-4000 level)	3
Natural Science with Lab Sequence	4	Natural Science with Lab Sequence	4
	19		19

***Course not required if completed at community college or at the university

Completed:			
Graduation Requirements:		Degree Requirements:	
122 Total Hours		30 General Education Hours	
39 Upper Division (3000-4000) Hours		99 Program (Major) Hours	
30 Hours at UTC		Minor (<i>Not Required</i>)	
60 Hours at 4-year institution		3-9 Elective Hours	
		Foreign Language Hours (<i>Not Required</i>)	

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.