College of Engineering
TENNESSEE TECH

Degree Map			
CATALOG YEAR: 2021-2022		**Degree:** BS	**MAJOR:** Computer Science

The major map illustrates one path to completing your major, based on faculty members' advice on course sequence and course schedule. This document provides general direction.

Course	Cr. Hrs.	Course	Cr. Hrs.
FIRST YEAR			
Semester: Fall — Total Credit Hours: 15		Semester: Spring — Total Credit Hours: 17	
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	3
MATH 1910 Calculus I	4	HIST 2020 Modern US History	3
CSC 1020 Connections to Computing[1]	1	MATH 1920 Calculus II	4
CSC 1300 Into to Programming	4	Social/Behavioral Science Elective	3
HIST 2010 Early US History	3	CSC 1310 Data Structures & Algorithms	4
Course	**Cr. Hrs.**	**Course**	**Cr. Hrs.**
SOPHOMORE YEAR			
Semester: Fall — Total Credit Hours: 17		Semester: Spring — Total Credit Hours: 16	
English Literature[2]	3	COMM 2025/PC 2500 Communications	3
Science Sequence[3]	4	Science Sequence[3]	4
CSC 2310 Object Oriented Programming	4	CSC 2400 Design of Algorithms	3
CSC 2510 Intro to DevOps with Unix	3	CSC 2700 Discrete Structure for CompSci	3
MATH 2010 Intro to Linear Algebra	3	CSC Lower Division Eletive[5]	3
Course	**Cr. Hrs.**	**Course**	**Cr. Hrs.**
JUNIOR YEAR			
Semester: Fall — Total Credit Hours: 15		Semester: Spring — Total Credit Hours: 15	
CSC 3300 Database Management Sys	3	CSC 3040 Prfess, Comm, and Research	3
CSC 3410 Comp Org and Assembly	3	CSC 4320 Comp Architecture	3
CSC 3710 Found of Comp Science	3	CSC Upper Division Elective[4]	3
Humanities/Fine Arts Elective	3	CSC Lower Division Elective[5]	3
MATH 3070 or MATH 3470	3	Humanities/Fine Arts Elective	3
Course	**Cr. Hrs.**	**Course**	**Cr. Hrs.**
SENIOR YEAR			
Semester: Fall — Total Credit Hours: 12		Semester: Spring — Total Credit Hours: 13	
CSC 4100 Operating Systems	3	CSC 4200 Comp Networks	3
CSC 4610 Software Engineering I	3	CSC 4615 Software Engineering II	2
CSC Upper Division Elective[4]	3	Elective	5
Social/Behavioral Science Elective	3	CSC Upper-Division Elective[4]	3

Notes:

1. Not required for transfer students with more than 12 hours; transfer students take 1 credit hour free elective
2. English Literature: ENGL 2130, or ENGL 2235, or ENGL 2330
3. Science: Take one science sequence
   - BIOL 1113 and BIOL 1123 OR BIOL 1113 and BIOL 2310 OR
   - CHEM 1110 and CHEM 1120 OR
   - GEOL 1040 and GEOL 1045 OR
   - PHYS 2010 and PHYS 2020 OR PHYS 2110 and PHYS 2120
4. CSC Upper-Division Electives: Any additional 3000 or 4000 level CSC course except CSC 4990
5. CSC Lower-Division Electives: Two of the three Concentration gateway courses (Cyber, DS-AI, HPC: CSC 2220, CSC 2570, CSC 2770)