College of Engineering
TENNESSEE TECH

Degree Map			
CATALOG YEAR: 2025-2026		**Degree:** BS	**MAJOR:** Computer Science
			Concentration: High Performance Computing

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: 14	
CSC 1020 Connections to Computing[1]	1	CSC 1310 Data Structures & Algorithms	4
CSC 1300 Into to Programming	4	MATH 1920 Calculus II	4
MATH 1910 Calculus I	4	ENGL 1020 Writing Composition II	3
ENGL 1010 Writing Composition I	3	Social/Behavioral Science Elective	3
HIST 2010 Early US History	3		
Course	**Cr. Hrs.**	**Course**	**Cr. Hrs.**
SOPHOMORE YEAR			
Semester: Fall Total Credit Hours: 17		Semester: Spring Total Credit Hours: 16	
CSC 2310 Object Oriented Programming	3	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 2770 Intro to Systems & Networking	3
Science Sequence[3]	4	Science Sequence[3]	4
English Literature[2]	3	COMM 2025 or PC 2500-Communication	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 3710 Found of Comp Science	3
CSC Elective[4]	3	CSC 4200 Computer Networks	3
MATH 3070 or MATH 3470	3	CSC 4760 Parallel Programming **SPRING**	3
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	**Cr. Hrs.**	**Course**	**Cr. Hrs.**
SENIOR YEAR			
Semester: Fall Total Credit Hours: 14		Semester: Spring Total Credit Hours: 14	
CSC 4100 Operating Systems	3	CSC 4615 Software Engineering II	2
CSC 4320 Computer Architecture	3	CSC 4780 Adv. Net. & Sec. **SPRING** even years	3
CSC 4610 Software Engineering I	3	CSC HPC Elective[5] **SPRING**	3
CSC 4770 Dist. & Cloud Computing **FALL**	3	HIST 2020 Modern US History	3
Elective	2	Social/Behavioral Science Elective	3

Note:
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 Sequence: 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 Elective: Any additional 2000 or above level CSC course
5. CSC HPC Electives: Any one of the following CSC courses: CSC 4040, CSC 4220, CSC 4400, CSC 4575, CSC 4710