College of Engineering
TENNESSEE TECH

Degree Map for **FIRST LAST** T00123456	
CATALOG YEAR: 2024-2025	**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 Completed== ==Course in Progress== ==Course Recommended for Next Semester==

Course	Cr. Hrs.	Course	Cr. Hrs.
FRESHMAN YEAR			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 14	
CSC 1020 Connections to Computing[1]	1	Social/Behavioral Science Elective	3
CSC 1300 Into to Programming	4	CSC 1310 Data Structures & Algorithms	4
MATH 1910 Calculus I	4	MATH 1920 Calculus II	4
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	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	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 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	3	CSC 4200 Computer Networks	3
MATH 3070 or MATH 3470	3	CSC 4760 Parallel Programming	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 Architeccture	3	CSC 4780 Advanced Network & Security	3
CSC 4610 Software Engineering I	3	CSC HPC Elective	3
CSC 4770 Dist & Cloud Computing	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