

College of Engineering

TENNESSEE TECH

CATALOG YEAR: 2024-2025

Degree Map Degree: BS

MAJOR: Computer Science Concentration: Cyber Security

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 I	Hours: 15	Semester: Spring Total Cred	it Hours: 17
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	COMM 2025 or PC 2500-Communication	3
ENGL 1010 Writing Composition I	3	ENGL 1020 Writing Composition II	3
HIST 2010 Early US History	3	HIST 2020 Modern US History	3
Course	Cr. Hrs.	Course	Cr. Hrs.
SOPHOMORE YEAR			
Semester: Fall Total Credit	Hours: 16	Semester: Spring Total Cred	it Hours: 16
CSC 2310 Object Oriented Programming	4	CSC 2570 Intro to Cyber and Privacy	3
CSC 2400 Design of Algorithms	3	CSC 2770 Intro to Systems & Networking	3
CSC 2510 Intro to DevOps with Unix	3	CSC 3710 Found of Comp Science	3
CSC 2700 Discrete Structure for Comp Sci	3	Science Sequence ³	4
English Literature ²	3	Social/Behavioral Science Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
Course JUNIOR YEAR	Cr. Hrs.	Course	Cr. Hrs.
	· · · · ·		Cr. Hrs. it Hours: 14
JUNIOR YEAR	· · · · ·		•
JUNIOR YEAR Semester: Fall Total Credit	Hours: 15	Semester: Spring Total Cred	it Hours: 14
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT Security	Hours: 15 3	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research	it Hours: 14 3
JUNIOR YEARSemester:FallCSC 3300 Database Management SysCSC 3410 Comp Org and Assembly	Hours: 15 3 3	Semester:SpringTotal CredCSC 3040 Profess, Comm, and ResearchCSC 4320 Comp Architecture	it Hours: 14 3 3
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT Security	Hours: 15 3 3 3 3	Semester:SpringTotal CredCSC 3040 Profess, Comm, and ResearchCSC 4320 Comp ArchitectureCSC 4575 Cryptography & Network Sec	it Hours: 14 3 3 3 3
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear Algebra	Hours: 15 3 3 3 3 3 3	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective	it Hours: 14 3 3 3 3 2
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts Elective	Hours: 15 3 3 3 3 3 3 3 3	Semester:SpringTotal CredCSC 3040 Profess, Comm, and ResearchCSC 4320 Comp ArchitectureCSC 4575 Cryptography & Network SecElectiveHumanities/Fine Arts Elective	it Hours: 14 3 3 3 2 2 3
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts ElectiveCourse	Hours: 15 3 3 3 3 3 3 3 7 Cr. Hrs.	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective Humanities/Fine Arts Elective Course Course	it Hours: 14 3 3 3 2 2 3
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts ElectiveCourseSENIOR YEAR	Hours: 15 3 3 3 3 3 3 3 7 Cr. Hrs.	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective Humanities/Fine Arts Elective Course Course	it Hours: 14 3 3 3 2 3 Cr. Hrs.
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts ElectiveCourseSENIOR YEARSemester: FallTotal Credit	Hours: 15 3 3 3 3 3 3 3 Cr. Hrs. Hours: 15	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective Humanities/Fine Arts Elective Course Semester: Semester: Spring	it Hours: 14 3 3 3 2 3 Cr. Hrs. Jit Hours: 12
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts ElectiveCourseSemester: FallSemester: FallTotal CreditCSC 4200 Comp Networks	Hours: 15 3 3 3 3 3 3 Cr. Hrs. Hours: 15 3	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective Humanities/Fine Arts Elective Humanities/Fine Arts Elective Course Semester: Spring Total Cred CSC 4100 Operating Systems Course	it Hours: 14 3 3 3 2 3 Cr. Hrs. dit Hours: 12 3
JUNIOR YEARSemester: FallTotal CreditCSC 3300 Database Management SysCSC 3410 Comp Org and AssemblyCSC 3570 IT SecurityMATH 2010 Intro to Linear AlgebraHumanities/Fine Arts ElectiveCourseSENIOR YEARSemester: FallTotal CreditCSC 4200 Comp NetworksCSC 4585 Software and Systems Security	Hours: 15 3 3 3 3 3 3 Cr. Hrs. Hours: 15 3 3 3 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5	Semester: Spring Total Cred CSC 3040 Profess, Comm, and Research CSC 4320 Comp Architecture CSC 4320 Comp Architecture CSC 4575 Cryptography & Network Sec Elective Humanities/Fine Arts Elective Humanities/Fine Arts Elective Course Semester: Spring Total Cred CSC 4100 Operating Systems CSC 4615 Software Engineering II	it Hours: 14 3 3 3 2 3 Cr. Hrs. dit Hours: 12 3 2 3 2 12 12 12 12 12 12 12 12 12

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 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