# College of Engineering
## TENNESSEE TECH

| Degree Map | | |
|---|---|---|
| **CATALOG YEAR:** 2025-2026 | **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 | |
| 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 | HIST 2020 Modern US History | 3 |
| HIST 2010 Early US History | 3 | Social/Behavioral Science Elective | 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 Lower Division Elective[5] | 3 |
| English Literature[2] | 3 | COMM 2025/PC 2500 Communications | 3 |
| Science Sequence[3] | 4 | Science Sequence[3] | 4 |
| **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 |
| MATH 3070 or MATH 3470 | 3 | CSC Lower Division Elective[5] | 3 |
| Humanities/Fine Arts Elective | 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
5. CSC Lower-Division Electives: Two of the three Concentration gateway courses (Cyber, DS-AI, HPC: CSC 2220, CSC 2570, CSC 2770)