



Degree Map for FIRST LAST T00123456

CATALOG YEAR: 2024-2025

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 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: 17 | |
| CSC 1020 Connections to Computing ¹ | 1 | COMM 2025 or PC 2500-Communication | 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 | HIST 2020 Modern US History | 3 |
| Course | Cr. Hrs. | Course | Cr. Hrs. |
| SOPHOMORE YEAR | | | |
| Semester: Fall Total Credit Hours: 16 | | Semester: Spring Total Credit 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. |
| JUNIOR YEAR | | | |
| Semester: Fall Total Credit Hours: 15 | | Semester: Spring Total Credit Hours: 14 | |
| CSC 3300 Database Management Sys | 3 | CSC 3040 Profess, Comm, and Research | 3 |
| CSC 3410 Comp Org and Assembly | 3 | CSC 4320 Comp Architecture | 3 |
| CSC 3570 IT Security | 3 | CSC 4575 Cryptography & Network Sec | 3 |
| MATH 2010 Intro to Linear Algebra | 3 | Elective | 2 |
| Humanities/Fine Arts Elective | 3 | Humanities/Fine Arts Elective | 3 |
| Course | Cr. Hrs. | Course | Cr. Hrs. |
| SENIOR YEAR | | | |
| Semester: Fall Total Credit Hours: 15 | | Semester: Spring Total Credit Hours: 12 | |
| CSC 4200 Comp Networks | 3 | CSC 4100 Operating Systems | 3 |
| CSC 4585 Software and Systems Security | 3 | CSC 4615 Software Engineering II | 2 |
| CSC 4610 Software Engineering I | 3 | CSC Elective | 3 |
| MATH 3070 or MATH 3470 | 3 | Science Sequence ³ | 4 |
| Social/Behavioral Science Elective | 3 | | |

Notes:

- Not required for transfer students with more than 12 hours; transfer students take 1 credit hour free elective
- English Literature: ENGL 2130, or ENGL 2235, or ENGL 2330
- 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