



Degree Map for First Last T00123456

CATALOG YEAR: 2024-2025

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 Completed** **Course in Progress** **Course Recommended for Next Semester**

Course	Cr. Hrs.	Course	Cr. Hrs.
<b>FRESHMAN YEAR</b>			
Semester: Fall Total Credit Hours: 15		Semester: Spring Total Credit Hours: 17	
CSC 1020 Connections to Computing <sup>1</sup>	1	Social/Behavioral Science Elective	3
CSC 1300 Intro 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.
<b>SOPHOMORE YEAR</b>			
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 <sup>5</sup>	3
English Literature <sup>2</sup>	3	COMM 2025/PC 2500 Communications	3
Science Sequence <sup>3</sup>	4	Science Sequence <sup>3</sup>	4
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>JUNIOR YEAR</b>			
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 <sup>4</sup>	3
MATH 3070 or MATH 3470	3	CSC Lower Division Elective <sup>5</sup>	3
Humanities/Fine Arts Elective	3	Humanities/Fine Arts Elective	3
Course	Cr. Hrs.	Course	Cr. Hrs.
<b>SENIOR YEAR</b>			
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 <sup>4</sup>	3	Elective	5
Social/Behavioral Science Elective	3	CSC Upper-Division Elective <sup>4</sup>	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: 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
- CSC Upper-Division Electives: Any additional 3000 or 4000 level CSC course except CSC 4990
- CSC Lower-Division Electives: Two of the three Concentration gateway courses (Cyber, DS-AI, HPC: CSC 2220, CSC 2570, CSC 2770)