

**4-YEAR PLAN OF STUDY**

Students seeking the Bachelor of Science in Computer Science must complete a minimum of 120 credit hours comprised of core courses in computer science (58 credits), technical electives (16 credits), Free electives (6 credits), liberal arts core curriculum (33 credits), and non-technical electives (9 credits): African American Cluster Core (3 credits), and choice of - social science elective (3 credits), and/or humanities elective (3 credits).

FALL SEMESTER 1

Number	Course Title	Credits
CSCI 135	Computer Science I	4
CSCI 120	Exploring in Computer Science	2
--	Non-Technical Elective	3
--	Science Lecture (1)	4
--	Science Lab (1)	0/1
ENGW --	English First-Year Writing (1)	3

Total Credits 16/17

SPRING SEMESTER 1

Number	Course Title	Credits
MATH 156	Calculus I	4
CSCI 177	Systems Programming	4
ENGW --	English First-Year Writing (2)	3
COMM 101	Principles of Speech	3
CSCI 136	Computer Science II	3

Total Credits 17

FALL SEMESTER 2

Number	Course Title	Credits
MATH 181	Discrete Structures	3
CSCI 203	Object-Oriented Programming Using Java	3
CSCI 354	Computer Science III	3
CSCI 201	Computer Organization I	3
--	Technical Elective ■	1
--	Free Elective	3

Total Credits 16

SPRING SEMESTER 2

Number	Course Title	Credits
MATH 157	Calculus II	4
ENGL 009	Technical Writing	3
CSCI 375	Software Engineering	3
--	Non-Technical Elective	3
--	Science Lecture (2)	4
--	Science Lab (2)	0/1

Total Credits 17/18

FALL SEMESTER 3

Number	Course Title	Credits
CSCI 341	Theory of Computation	3
CSCI 401	Operating Systems	3
CSCI 470	Fundamentals of Algorithms	3
CSCI 449	Intro to Computer Networks	3
MATH 180/	Linear Alg (or Robotics Linear Alg)	3
CSCI 342		

Total Credits 15

SPRING SEMESTER 3

Number	Course Title	Credits
CSCI 350	Structure of Programming Languages	3
--	Free Elective	3
CSCI 432	Database Systems	3
CSCI 473	Applied Data Science	3
CSCI 453	Intro to Cybersecurity I	3

Total Credits 15

FALL SEMESTER 4

Number	Course Title	Credits
--	Technical Elective	3
--	Technical Elective	3
--	Technical Elective	3
CSCI 491	Senior Project I	3

Total Credits 12

SPRING SEMESTER 4

Number	Course Title	Credits
--	Technical Elective	3
--	Technical Elective	3
CSCI 492	Senior Project II	3
--	Non-Technical Elective	3

Total Credits 12

■ CSCI 172 Interview Prep

Total Credits: 120**More Information :**

The 4-Year Plan of Study is a guide for students to successfully complete the program in four years of study. It is not a substitution for academic advising. Students are expected to download and maintain their own CHECKLIST, and check-in with their academic advisor every semester.

The prerequisite structure for courses and technical elective options are available in the program handbook.

Courses may not be offered in semesters in which they do not appear listed on the scheme.

DOWNLOAD
CHECKLIST

<https://bit.ly/CS-CheckList-2026-2027>

DEPARTMENT OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCE

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