

4-YEAR ADVISING SCHEME

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 (12 credits), liberal arts core curriculum (41 credits), and non-technical electives (9 credits): social science elective (3 credits), humanities elective (3 credits), and African American Cluster Core (3 credits).

FALL SEMESTER 1

Number	Course Title	Credits
CSCI 100	Intro to Computer Science	3
CSCI 120	Explorations in Computer Science	2
--	Non-Technical Elective	3
--	Science Lecture A	4
--	Science Lab A	0/1
ENGW --	English First-Year Writing (1)	3
Total Credits		15/16

SPRING SEMESTER 1

Number	Course Title	Credits
MATH 156	Calculus I	4
CSCI 213	Linux Lab	1
ENGW --	English First-Year Writing (2)	3
COMM 101	Principles of Speech	3
CSCI 135	Computer Science I	4
Total Credits		15

FALL SEMESTER 2

Number	Course Title	Credits
MATH 157	Calculus II	4
--	Science Lecture B (1)	4
--	Science Lab B (1)	0/1
CSCI 136	Computer Science II	3
CSCI 201	Computer Organization I	3
Total Credits		14/15

SPRING SEMESTER 2

Number	Course Title	Credits
MATH 181	Discrete Structures	3
CSCI 354	Computer Science III	3
CSCI 375	Software Engineering	3
CSCI 202	Computer Organization II	3
--	Science Lecture B (2)	4
--	Science Lab B (2)	0/1
Total Credits		16/17

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	Computer Networks	3
CSCI 453	Introduction to Cybersecurity	3
Total Credits		15

SPRING SEMESTER 3

Number	Course Title	Credits
CSCI 350	Structure of Programming	3
--	Technical Elective	3
CSCI 432	Database Systems	3
MATH 180	Introduction to Linear Algebra	3
ENGL 009	Technical Writing	3
Total Credits		15

FALL SEMESTER 4

Number	Course Title	Credits
CSCI 363	Large Scale Programming	3
CSCI 473	Applied Data Science	3
--	Technical Elective	3
CSCI 491	Senior Design Project I	3
--	Technical Elective	3
Total Credits		15

SPRING SEMESTER 4

Number	Course Title	Credits
--	Technical Elective	3
--	Technical Elective	3
--	Non-Technical Elective	3
CSCI 492	Senior Design Project II	3
--	Non-Technical Elective	3
Total Credits		15

Total Credits: 120

More Information :

The 4-Year Advising Scheme 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 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.