COMPUTER SCIENCE
CURRICULUM SEQUENCE

Morgan State University
THE SCHOOL OF COMPUTER, MATHEMATICAL AND NATURAL SCIENCES

Freshman Year (First Semester)

COSC 111	Intro to Computer Science I IM	4
ENGL 101	Freshman Composition I EC	3
MATH 241	Calculus I **(MQ)**	4
XXXX	CT General Education	3
ORNS 106	Freshman Orien. SCMNS Majors	1
	TOTAL	**15**

Freshman Year (Second Semester)

ENGL 102	Freshman Composition II EC	3
XXXX	HH General Education Req.	3
XXXX	Phys. ED Activity or FIN 101	1
COSC 112	Introduction to Computer Science II	4
MATH 242	Calculus II	4
	TOTAL	**15**

Sophomore Year (Third Semester)

COSC 220	Data Structures and Algorithms	4
COSC 241	Computer Systems and Digital Logic	3
XXXX	AH General Education Req.	3
XXXX	COSC Group A Elective	3
COSC 201	Computer Ethics	1
	TOTAL	**14**

Sophomore Year (Fourth Semester)

COSC 281	Discrete Structure	3
XXXX	COSC Group A Elective	3
XXXX	COSC Group A Elective	3
MATH 312	Linear Algebra I	3
XXXX	AH General Education Req.	3
	TOTAL	**15**

Junior Year (Fifth Semester)

COSC 349	Computer Networks	3
COSC 351	Cybersecurity	3
COSC 352	Organization of Programming Languages	3
XXXX	COSC Group B Elective	3
XXXX	BP General Education Req.	4
	TOTAL	**16**

Junior Year (Sixth Semester)

COSC 354	Operating Systems	3
MATH 331	Applied Probability and Statistics	3
XXXX	COSC Group B Elective	3
XXXX	CI General Education Req	3
XXXX	BP General Education Req./no lab req.	3
	TOTAL	**15**

Senior Year (Seventh Semester)

COSC 458	Software Engineering	3
COSC 459	Database Design	3
COSC 490	Senior Project	3
XXXX	COSC Group C Elective	3
XXXX	SB General Education Req.	3
	SCMNS TOTAL	**15**

Senior Year (Eighth Semester)

XXXX	COSC Group C Elective	3
XXXX	COSC Group C Elective	3
XXXX	COSC Group C Elective	3
XXXX	COSC Group D Elective	3
XXXX	SB General Education Req.	3
	SCMNS TOTAL	**15**

TOTAL CREDITS	**120**