Computer Science

curriculum code: 0532 | HEGIS code: 5101
minimum credit hours required: 60

This degree program is designed for students who plan to transfer to a four-year college or university to major in computer science.
Program is also available online.

REQUIRED COURSES	CR	JCC	SUNY	LAS
INT 1555: Inquire	2	Inquiry- Critical & Integrative Reasoning		X
ENG 1510: English Composition I	3	College Composition	HUMN	H
ENG 1530: English Composition II	3	College Comp & Oral Communication	COMW & COMO	H
MAT 1710: Calculus/Analytic Geometry I	4	SUNY Mathematics & Quantitative Reasoning	MATH	N
Natural Sciences Elective - SUNY Gen Ed	3	SUNY Natural Science & Scientific Reasoning	NSCI	N
Social Sciences Elective - SUNY Gen Ed	3	SUNY Social Science	SOSC	S
CSC 1570: Programming Concepts & Applications	3			N
CSC 1580: Computer Hardware & System Software	3			N
CSC 1590: Computer Programming	4			N
CSC 1600: Data Structures	4			N
CSC 2670: Computer Organization	4		MATH	N
CSC 2510: Introduction to Networks	3	Applied Learning		N
MAT 1670: Discrete Mathematics	3		MATH	N
Program Core Elective choose any additional CSC course(s) beyond the Program Core Requirements, with at least 1 credit numbered 2500 or higher	3			N
Open Electives up to 7 credits may need to be SUNY Gen ed- category specific and may need to fill JCC Essentials Global Perspective, Cultural Understanding, and Diversity requirements	15	Global Perspectives, Cultural Understanding, & Diversity	(2 categories, to include DIVE) [7 credits]	
TOTAL CREDITS: 60			30	41

IMPORTANT POINTS:
- Students are initially placed in a mathematics course based on their mathematics background. Students who do not place in college-level mathematics may need more than two years to complete this degree.
- Several upper-level computer science courses are only offered online.