

CS/CSIS Four-Year Academic Plan

Student Name: _____ Student ID: _____ Major: Computer Science AS/Computer Science & Information Security BS

YEAR 1 at Borough of Manhattan Community College

Immersion Summer		Semester 1		Semester 2		Summer	
		M MAT 206 (Pre-Calculus)*	4	M MAT 301 (Analytic Geometry & Calculus I)	4		
		G ENG 101 (English Composition)	3	G ENG 201 (Intro to Literature)	3		
		G CSC 101 (Principles in Information Technology & Computation)	3	M CSC 111 (Intro to Programming)	4		
		G Individual and Society**	3	G SPE 100 (Fundamentals of Speech)	3		
		G U. S. Experience in Its Diversity**	3				
		Total Hours	16	Total Hours	14	Total Hours	

YEAR 2 at Borough of Manhattan Community College

		Semester 1		Semester 2		Summer	
		M MAT 302 (Analytic Geometry & Calculus II)	4	M CSC 215 (Fundamentals of Computer Systems)	3		
		G PHY 215 (University Physics I)	4	M CSC 331 (Data Structures)	3		
		M CSC 211 (Advanced Programming Techniques)	3	M CSC 350 (Software Development)	3		
		M CSC 231 (Discrete Structures & Applications to Computer Science)	4	G World Cultures & Global Issues**	3		
				G General Elective***	3		
		Total Hours	15	Total Hours	15	Total Hours	

Comments:

*MAT 206 may be waived depending on mathematics placement.

**Students are advised to consult with an advisor on course selection.

***Students are advised to take STEM variant in the Common Core.

This plan is recommended for students following the new CSC Curriculum (as of Fall 2016)

G GenEd **M** Major

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YEAR 3 at John Jay College

Semester 1		Semester 2		Summer	
M	MAT 301 (Prob. & Math. Statistics I)	3	M	CSCI 360 (Cryptography and Cryptanalysis)	3
M	CSCI 375 (Operating Systems)	3	M	CSCI 374 (Programming Languages)	3
M	CSCI 377 (Computer Algorithms)	3	M	CSCI 379 (Computer Networking)	3
G	300-Level Justice Gen. Education	3	M	PHI 216 (Ethics and Information Technology)	3
G	Elective or Learning from the Past/Communications*	3	E	Elective	3
Total Hours		15	Total Hours		15

YEAR 4 at John Jay College

Semester 1		Semester 2		Summer	
M	CSCI 400 (Capstone I)	3	M	CSCI Elective	3
M	CSCI 411 (Computer Security and Forensics)	3	M	CSCI 401 (Capstone II)	3
E	Elective	3	M	CSCI 412 (Network Security & Forensics)	3
E	Elective	3	E	Elective	3
E	Elective	3	E	Elective	3
Total Hours		15	Total Hours		15

Comments:

*If not taken at BMCC

This plan assumes that students are transferring to John Jay College with 60 credits. Students are required to earn 120 credits in order to graduate with the BS degree.

G GenEd
 M Major
 E Elective

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