CUNY PATHWAYS – Computer Science (AS)

REQUIRED COMMON CORE		CREDITS
English Composition		6
Mathematical and Quantitative Reasoning		4
MAT 160*		
Life and Physical Sciences		4
BIO 210 or CHE 210 or PHY 210		
FLEXIBLE COMMON CORE		
World Cultures and Global Issues		3
U.S. Experience in Its Diversity		3
Creative Expression		3
Individual and Society		3
Scientific World		4
BIO 220 or CHE 220 or PHY 220		
One (1) additional course from the Flexible Common Core		3
MAJOR REQUIREMENTS		
Mathematics Sequence (choose two courses)		
MAT 210	Calculus I	4
MAT 217	Linear Algebra	4
MAT 220	Calculus II	4
Computer Science Sequence (choose thirteen to sixteen (13-16) credits from the following)		
CSC 205	Discrete Mathematics	4
CSC 215	Modern Programming	3
CSC 275	Object Oriented Programming	3
CSC 300+	Data Structures	3
CSC 375	Computer Networking	3
CSC 395**	Web and Mobile Application Development	3
Elective***		3-6
Total Credits for Degree		**60**

*MAT 160, if needed due to placement.
**Students may substitute MAT 310 Calculus III.
***Students who do not place into MAT 160 or higher will need to take MAT 150 as a free elective. Students are encouraged to obtain the specialized certificate in network applications available through the Division of Continuing Education and Workforce Development.
+Students transferring to John Jay College should take CSC 300 - Data Structures.

Click here for a list of all Common Core Courses