

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 (13) credits from the following)	
CSC 205 Discrete Mathematics	3
CSC 215 Modern Programming	3
CSC 275 Object Oriented Programming	3
CSC 375 Computer Networking	3
CSC 395 Web and Mobile Application Development**	3
Elective***	3-6
Total Credits for Degree	60
<small>*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 specialized certificate in network applications available through the Division of Continuing Education and Workforce Development</small>	

[Click here for a list of all Common Core Courses](#)