



HUDSON COUNTY COMMUNITY COLLEGE

NEW JERSEY CITY UNIVERSITY

AY 2025-2026

Associate of Science
Computer ScienceBachelor of Science
Computer Science

Course Number	Course Name	Credits	Course Number	Course Name	Credits	Notes
CSS100	College Student Success	1	=	INTD101	Orientation to College	1
ENG101	College Composition I	3	=	ENGL101	English Composition I	3
ENG102	College Composition II	3	=	ENGL102	English Composition II	3
MAT111	Calculus I	4	=	MATH192	Calculus and Analytic Geometry I	4
MAT112	Calculus II	4	=	MATH193	Calculus and Analytic Geometry II	4
PHY111	Engineering Physics I	4	=	PHYS140+1140	Principles of Physics I - Lecture + Lab	4
1 Social Science Elective		3	=	TBD		3
HUM101	Cultures and Values (Humanities Elective)	3	=	WGST110	Diversity and Difference: Identities, Communities, and Cultures	3
1 Social Science or Humanities Elective		3	=	TBD		3
ENG112	Speech	3	=	ENGL147	Effective Speaking	3
MAT211	Calculus III	4	=	MATH292	Calculus & Analytical Geometry III	4
Complete Major Requirements						
CSC113	Computer Logic and Discrete Math	3	=	CS202	Discrete Structures I	3
CSC115	Programming in C++ For Comp Science	3	=	CS102	Computer Science II	3
CSC214	Data Structures and Advanced Programming	3	=	CS209	Data Structures	3
Complete 1 of the Following:						
CSC117	Java Programming	3	=	CS101	Computer Science I	3
CSC118	Python Programming	3	=	CSC252	Principles	3
Complete 1 MATH or Science Elective						
Complete 3 Courses From:						
CSC226	Database Design and Concepts	3	=	CS306	Data Base Design	3
CSC227	Intro to Operating Systems	3	=	CS206	Concepts of Operating Systems	3
CSC230	Data Communication Concepts	3	=	CS210	Fundamentals of Telecommunication and Network	3
CSC231	Info Systems Analysis and Design	3	=	CS240	System Design & Analysis	3
CSC232	Cybersecurity	3	=	SECU222	Computer Security I	3
CSC235	Newtork Security	3	=	SECU309	Introduction to Computer & Network Security	3
CSC240	Intro to Networks and Networking	3	=	CS410	Telecommunications & Networks	3
CSC242	Computer Forensics and Investigations	3	=	SECU345	Computer Forensics I	3
CSC245	Ethical Hacking	3	=	SECU340	Ethical Hacking	3

Total Credits Transferred**60****General Education Waiver Awarded**

Remaining NJCU Courses

Course Number	Course Name	Credits	Note
Major Requirements		15-24	
CS 101	Computer Science I	0-3	This course may be satisfied with transfer
CS 102	Computer Science II	0	
CS 202	Discrete Structures I	0	
CS 203	Discrete Structures II	3	
CS 204	Computer Organization	3	
CS 206	Concepts of Operating Systems	0-3	This course may be satisfied with transfer
CS 209	Data Structures	0	
CS 300	Computer Architecture	3	
CS 306	Data Base Design	0-3	This course may be satisfied with transfer
CS 350	Software Engineering I	3	
CS 351	Software Engineering II	3	
Collateral Requirements		0	
MATH 192	Calculus and Analytic Geometry I	0	This course may be satisfied with transfer
MATH 193	Calculus and Analytic Geometry II	0	This course may be satisfied with transfer
Advanced Major Electives		9-12	
CS 302	Programming Languages	3	
CS 355	Visual Programming	3	
CS 360	Computer Graphics	3	
CS 365	Advanced Java Programming	3	
CS 401	Introduction to Algorithms	3	
CS 402	Compiler Design	3	
CS 404	Artificial Intelligence	3	
CS 405	Theory of Computability	3	
CS 407	Introduction to Unix/Linux System Administration and Shell Programming	3	
CS 408	Introduction to Cryptography	3	
CS 409	Introduction to Data Science	3	
CS 410	Telecommunications & Networks	0-3	This course may be satisfied with transfer
CS 417	Object-Oriented Methodologies	3	
CS 420	Cloud Security with Artificial Intelligence Approach	3	
CS 430	Internet Multimedia Programming	3	
CS 599	Data Mining	3	
Free Elective Courses		24-36	
Total Credits To Graduate		120	