



HUDSON COUNTY COMMUNITY COLLEGE

Associate of Science  
Computer Science

NEW JERSEY CITY UNIVERSITY

Bachelor of Science  
Computer Science

AY 2025-2026

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	HCCC Recommends
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	
<b>Complete Major Requirements</b>							
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	
<b>Complete 1 of the Following:</b>							
CSC117	Java Programming	3	=	CS101	Computer Science I	3	NJCU Recommends
CSC118	Python Programming	3	=	CSC252	Principles	3	
<b>Complete 1 MATH or Science Elective</b>		<b>4</b>	=	TBD		<b>4</b>	
<b>Complete 3 Courses From:</b>							
CSC226	Database Design and Concepts	3	=	CS306	Data Base Design	3	NJCU Recommends
CSC227	Intro to Operating Systems	3	=	CS206	Concepts of Operating Systems	3	NJCU Recommends
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	NJCU Recommends
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

## Remaing NJCU Courses

Course Number	Course Name	Credits	Note
<b>Major Requirements</b>		<b>15-24</b>	
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	
<b>Collateral Requirements</b>		<b>0</b>	
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
<b>Advanced Major Electives</b>		<b>9-12</b>	
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	
<b>Free Elective Courses</b>		<b>24-36</b>	
<b>Total Credits To Graduate</b>		<b>120</b>	