



HUDSON COUNTY COMMUNITY COLLEGE

NEW JERSEY CITY UNIVERSITY

AY 2025-2026

**Associate of Science**  
**Computer Science (Cybersecurity Option)****Bachelor of Science**  
**Cybersecurity**

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	
MAT114	Introduction to Probabilities and Statistics	3	= MATH140	Statistics I	3	
HUM101	Cultures and Values	3	= WGST110	Diversity and Difference: Identities, Communities, and Cultures	3	
ENG112	Speech	3	= ENGL147	Effective Speaking	3	
PHL218	Contemporary Moral Issues	3	= PHIL125	Ethics in Everyday Life	3	
1 Social Science Elective		3	= TBD		3	
1 Humanities or Social Science Elective		3	= TBD		3	
CSC117	Java Programming	3	= CS101	Computer Science I	3	
CSC113	Computer Logic and Discrete Math	3	= CS202	Discrete Structures I	3	
CSC226	Database Design and Concepts	3	= CS306	Data Base Design	3	
CSC227	Intro to Operating Systems	3	= CS206	Concepts of Operating Systems	3	
CSC232	Cybersecurity	3	= SECU222	Computer Security I	3	
CSC245	Ethical Hacking	3	= SECU340	Ethical Hacking	3	
CSC214	Data Structures and Advanced Programming	3	= CS209	Data Structures	3	

Complete one of the following:

CSC230	Data Communication Concepts	3	= CS210	Fundamentals of Telecommunication and Network	3	
CSC240	Intro to Networks and Networking	3	= CS410	Telecommunications & Networks	3	NJCU Recommends

Complete one of the following:

CSC235	Newtork Security	3	= SECU309	Introduction to Computer & Network Security	3	
CSC242	Computer Forensics and Investigations	3	= SECU345	Computer Forensics I	3	

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

## Remaining NJCU Courses

Course Number	Course Name	Credits	Notes
<b>Foundation Courses</b>		<b>6</b>	
CS 101	Computer Science I	0	This will be satisfied with transfer
CS 206	Concepts of Operating Systems	0	This will be satisfied with transfer
CS 407	Introduction to Unix/Linux System Administration and Shell Programming	3	
SECU 210	Introduction to Intelligence	3	
SECU 222	Computer Security I	0	This will be satisfied with transfer
<b>Core Courses</b>		<b>18-21</b>	
CS 252	Programming for All in Python and Computer Science Principles	3	
CS 410	Telecommunications & Networks	0-3	This will be satisfied with transfer
SECU 221	Contemporary International Security Topics	3	
SECU 224	Ethics in National Security	0*	PHIL125 will substitute for this requirement
SECU 309	Introduction to Computer & Network Security	0-3	This will be satisfied with transfer
SECU 322	Computer Security II	3	
SECU 345	Computer Forensics I	0-3	This will be satisfied with transfer
SECU 430	Computer Hacking Forensic Investigator	3	
SECU 460	Security and Privacy of Information and Information Systems	3	
<b>SELECT ONE TRACK</b>			
<b>Security Studies Track Courses</b>		<b>18</b>	
SECU 323	Risk Management	3	
SECU 339	Cyber Incident Handling	3	
SECU 340	Ethical Hacking I	0	This will be satisfied with transfer
SECU 400	Cybersecurity and Event Management	3	
SECU 415	Intrusion Detection and Prevention Systems	3	
SECU 422	Computer Security III	3	
SECU 154	Careers in Professional Security Studies	3	
<b>Business Security Track Courses</b>		<b>21</b>	
ACCT 450	Corporate Governance & Internal Control Frameworks	3	
FINC 305	Introduction to Data Science	3	
FINC 430	Principles of Machine Learning	3	
MGMT 321	Ethics and Corporate Social Responsibility	3	
MGMT 350	Decision Intelligence in Supply Chains	3	
MKTG 231	Principles of Marketing	3	
MKTG 422	E-commerce	3	

<b>Electives</b>		<b>12</b>
SECU 151	Security Systems & Design	3
SECU 152	Loss Prevention Technique	3
SECU 153	Occupational Safety and Health	3
SECU 155	Introduction to International Security	3
SECU 214	Crime Scene Investigation	3
SECU 215	Behavioral Analysis and Criminal Profiling	3
SECU 220	Current Security Problems	3
SECU 280	Security Organization & Administration	3
SECU 310	Forensic Investigations	3
SECU 311	Bloodstain Pattern Analysis	3
SECU 315	Big Data Analysis and Visualization in U.S. National Security	3
SECU 321	Seminar on National Security	3
SECU 398	Research Methods in Professional Security Studies	3
SECU 465	Resource Management in Security	3
SECU 2305	Special Topics: National Security Policy	3
SECU 4305	Special Topics: Domestic Terrorism	3

**Free Electives** **0-6**

**Total Credits To Graduate** **120**