NJCU College of Professional Studies

BACHELOR OF SCIENCE IN CYBER SECURITY

Cyber Security Curriculum

Our curriculum for the Bachelor of Science in Cyber Security blends contemporary knowledge with advanced research concepts to deliver a cutting-edge program mapped with the NSA/DHS guidelines and knowledge units.

120 credits required: 15 Pre-requisite courses, 27 Core courses, 21 Track courses, 12 Electives, and 45 General education. Courses are offered in NJCU's main campus in Jersey City, online, as well as on the campuses of Middlesex County College, Brookdale Community College, and Bergen Community College.

Prerequisites
(take **all** of these courses and get a C or higher in each)

CS 101	Fundamentals of Computer Science
CS 206	Concepts of Operating Systems
CS 407	Introduction to Linux Administration
SECU 210	Introduction to Intelligence
SECU 222	Computer Security I

Core Courses
(take **all** of these courses and get a C or higher in each)

CS 252	Computer Programming
CS 410	Telecom and Networks
SECU 221	Contemporary International Security
SECU 224	Ethics in National Security
SECU 309	Introduction to Computer & Network Security
SECU 322	Computer Security II
SECU 345	Computer Forensics I
SECU 430	Computer Hacking Forensic Investigator
SECU 460	Security & Privacy of Information and Information Systems

Security Studies Track Courses
(take **all** of these courses and get a C or higher in each)

SECU 422	Computer Security III
SECU 3XX	Cyber Incident Handling
SECU 3XX	Cybersecurity & Event Management
SECU 323	Risk Management
SECU 340	Ethical Hacking
SECU 415	Intrusion Detection & Prevention Systems
SECU 154	Careers in Professional Security Studies

Electives
(take **at least four** of these courses and get a C or higher in each)

SECU 151	Security Systems and Design
SECU 152	Loss Prevention
SECU 153	Occupational Safety and Health
SECU 155	Introduction to International Security
SECU 214	Crime Scene Investigation
SECU 215	Behavioral Analysis & Criminal Profiling
SECU 220	Current Security Problems
SECU 280	Security Organization & Administration
SECU 310	Forensic Investigations
SECU 311	Bloodstain Pattern Analysis
SECU 315	Big Data in U.S. National Security
SECU 321	Seminar in National Security
SECU 465	Resource Management in Security
SECU 398	Research in Professional Security Studies
SECU 1305	Special Topics: Intelligence Analysis and National Security
SECU 3305	Special Topics: Executive Communications for National Security
SECU 2305	Special Topics: National Security Policy
SECU 4305	Special Topics: Domestic Terrorism
SECU 5305	Special Topics: Extremist Groups
SECU 6305	Special Topics: Critical Thinking
SECU 7305	Special Topics: Security Fraud

Course descriptions are available online in the University's course catalog at: **catalog.njcu.edu/ undergraduate/courses/secu**