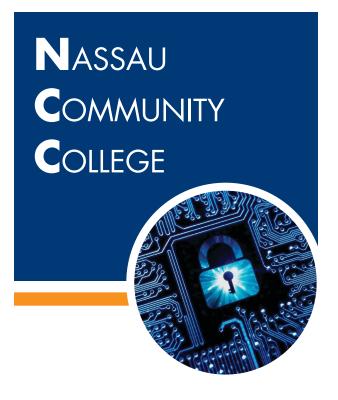## Additional Information

Students are encouraged to join departmental clubs and become involved in extra-curricular activities and leadership positions. Please contact the MAT/CSC/ITE department for additional information at (516)-572-7383.

Nassau Community College reserves the right to add or withdraw courses and to amend, revise, or modify the curricula.

Nassau Community College

CYBER SECURITY

Certificate

Rev. 8/19

Nassau Community College offers
the **Cybersecurity Certificate program** for students interested in beginning their studies in Cybersecurity.

Our Mission Statement
The Cybersecurity Certificate program is designed for students who intend to transfer to a baccalaureate program in Cybersecurity or Information Security or as additional coursework to the Information Technology or Computer Science degree. The degree will also introduce students to the introductory concepts covered in the COMP TIA Security+ exam.

What is the Cybersecurity Certificate?
From the *Department of Homeland Security* (www.us-cert.gov/ncas/tips/ST04-001):
It seems that everything relies on computers and the internet now—communication (e.g., email, smartphones), entertainment (e.g., digital cable, mp3s), transportation (e.g., car engine systems, airplane navigation), shopping (e.g., online shopping, credit cards), medicine (e.g., medical equipment, medical records), and the list goes on. How much of your daily life relies on computers? How much of your personal information is stored either on your own computer or on someone else's system? Cybersecurity involves protecting that information by preventing, detecting, and responding to cyber attacks.

Our Focus
Our program is designed to give students a broad enough background in Cybersecurity/Information Security to successfully transfer to either an applied or theoretical program. The program is designed to be completed in one academic year, or two semesters. Three hands-on Computer Security courses make up the core components. Additional required courses in Criminal Justice, Mathematics and Information Technology courses compliment the core security courses. As part of the program students will be introduced to concepts that make up the COMP TIA Security+ exam.

Did You Know…
- Jobs for Information Security Analysts are expected to increase 28 percent from 2016-26 and 2018 median pay was $98,350 per year, *the Bureau of Labor Statistics* reported in June 2019.
- *U.S. News and World Report's Best Technology Jobs of 2019* lists Information Security Analyst as #4.
- New York is considered one of the top cities for security related jobs.
- Currently over 1000 security jobs are listed on monster.com.

Why Cybersecurity Certificate degree?
Whether you are planning to pursue a four-year degree in Cybersecurity or Information Security, or are an industry professional looking to learn about the Cybersecurity discipline, you can start here. We have small classes, tutoring/support services and a caring, dedicated faculty who will help you to acquire a solid foundation in the basic skills needed to be successful in Cybersecurity as well as prepare you to think critically.

First Semester	Credits
ITE 153 Operating Systems Management	4
ITE 213 Data Communications and the Internet	3
ITE 217 Information Security	3
Criminal Justice Elective [1]	3
Total Semester Credits	**13**

Second Semester	Credits
ITE 223 Network Management I	4
ITE 227 Computer Forensics	4
ITE 237 Hacking and Defensive Technology	3
Mathematics Elective [2]	3-4
Total Semester Credits	**14-15**
Total Credits	**27-28**

1. Criminal Justice Elective: Choose from CRJ 201 or CRJ 230.

2. Mathematics Elective: Choose from MAT 109, MAT 111, MAT122, or MAT150.
ITE 217, ITE 227, and ITE237 DO NOT count as electives in the Information Technology A.A.S degree.