

# Lackawanna College

## CRIMINAL JUSTICE CYBERSECURITY CONCENTRATION

ACADEMIC YEAR 2022-2023

NAME \_\_\_\_\_

The Cybersecurity Concentration is designed to help students in the Criminal Justice Major understand the threats from foreign and domestic cyber criminals. This concentration introduces students to the technology used to secure computer systems as well as the vulnerabilities that exist in those systems resulting in opportunities for cybercrime. Students will learn Information Technology and Cybersecurity best practices for mitigating risk and for protecting the confidentiality, integrity and availability of information.

This 18 or 19-credit concentration includes the following required coursework:

<u>Semester Taken</u>	<u>Grade Earned</u>
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_____	_____	CYB 110 Operating System Fundamentals (3 cr.)
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_____	_____	CYB 120 Networking Fundamentals (3 cr.) <b>and</b>
_____	_____	CYB 220 Network Design & Protocols (4 cr.)

**OR**

_____	_____	CYB 105 Introduction to Cyber Security (3 cr.) <b>and</b>
_____	_____	CYB 205 Cyber Security Design Principles (3 cr.)

_____	_____	CYB 215 Introduction to Cryptography (3 cr.)
_____	_____	CJS 230 Criminology (3 cr.)
_____	_____	CJS 340 Private Security and Loss Prevention (3 cr.)

Students will have the opportunity to decide which track they want to pursue. Networking or Security Design  
\*If a student chooses the Security Design Path (CYB105/CYB205), they will have the opportunity to sit for the CompTia Security+ Certification.

\*If they choose the Networking Path (CYB 120/220 path), they will have the opportunity to sit for two certifications: The CompTia Networking+ certification and/or the Cisco Certified Network Associate (CCNA).

Students who successfully complete the concentration can use CYB 220 OR CYB 205 along with CYB 215 towards their 300 level core elective.

NOTE: Students who complete any DEV or bridge courses while attending Lackawanna may require extra time to complete this concentration because of the limited number of elective classes in the first two years of the Criminal Justice Bachelor's Degree.