

Lackawanna College

CRIMINAL JUSTICE CYBERSECURITY CONCENTRATION

ACADEMIC YEAR 2023-2024

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</u> <u>Taken</u>	<u>Grade</u> <u>Earned</u>
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_____	_____	CYB 105 Introduction to Cyber Security (3 cr.)
_____	_____	CYB 110 Operating System Fundamentals (3 cr.)
_____	_____	CJS 230 Criminology (3 cr.)
_____	_____	CJS 340 Private Security and Lost Prevention (3 cr.)

There are two tracks available for the remaining credits toward this concentration, and students should choose only one of the following pathways:

OPTION A: If a student chooses 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).

_____	_____	CYB 120 Networking Fundamentals (3 cr.) and
_____	_____	CYB 220 Network Design & Protocols (4 cr.)

OR

OPTION B: If a student chooses the Security Design Path – (CYB205/CYB215), they will have the opportunity to sit for the CompTIA Security+ Certification.

_____	_____	CYB 205 Cyber Security Design Principles (3 cr.) and
_____	_____	CYB 215 Introduction to Cryptography (3 cr.)

Students who successfully complete the concentration with Option B can use CYB 205 AND CYB 215 as 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.