

Lackawanna College

BUSINESS CYBER SECURITY CONCENTRATION

ACADEMIC YEAR 2024-2025

NAME _____

The Cybersecurity Concentration is designed to help students in the Business major understand the threats that foreign and domestic adversaries present to the business world. This concentration introduces students to the technology used to secure computer systems as well as the vulnerabilities that exist in those systems, which represent business risk. Processes and technology to help mitigate those risks are introduced along with strategies for organizational resiliency. Students will learn industry best practices for protecting the confidentiality, integrity, and availability of information.

This 18/19 credit concentration includes the following required coursework:

<u>Semester Taken</u>	<u>Grade Earned</u>	
_____	_____	CYB 105 Introduction to Cyber Security
_____	_____	CYB 110 Operating System Fundamentals
_____	_____	ACC 235 White Collar Crime
_____	_____	BUS 305 Cyber Security for Business Leaders

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.)

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 business bachelor's degree.