

Lackawanna College

CYBER SECURITY

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

ACADEMIC YEAR 2020-2021

NAME _____

Academic advisors help students coordinate their academic plans while at Lackawanna College; however, students bear the ultimate responsibility for insuring that they meet the requirements for their degree.

Students must be “college ready” to begin this program (no developmental or bridge coursework required/remaining). Coursework in the Cyber Security major is sequential and begins in the fall semester. Students must earn a minimum grade of “C” in all CYB courses to continue in the program. All CYB courses are offered in an online format only.

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>First Semester 16 Credits</u>
_____	_____	CYB 105 Introduction to Cyber Security
_____	_____	CYB 110 Linux Fundamentals
_____	_____	COM 125 Effective Speaking
_____	_____	ENG 105 College Writing
_____	_____	Social Science Elective _____
_____	_____	COL 101 Freshman Experience (1 cr.)

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Second Semester 15 Credits</u>
_____	_____	CYB 120 Networking Fundamentals
_____	_____	CYB 125 Database & Scripting Basics
_____	_____	MAT 120 College Algebra
_____	_____	PHL 105 Introduction to Philosophy
_____	_____	Humanities Elective _____
_____	_____	OR
_____	_____	Free Elective _____

SUMMER _____ CYB 200 Cyber Security Internship (3 credits)

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Third Semester 17 Credits</u>
_____	_____	CYB 210 Linux OS Administration
_____	_____	CYB 215 Introduction to Cryptography
_____	_____	CYB 220 Network Design & Protocols (4 cr.)
_____	_____	MAT 220 Pre-Calculus (4 cr.)
_____	_____	Science Elective _____

<u>Semester Taken</u>	<u>Grade Earned</u>	<u>Fourth Semester 15 Credits</u>
_____	_____	CYB 205 Cyber Security Design Principles
_____	_____	CYB 225 Database Administration (4 cr.)
_____	_____	CYB 230 Web Application Development (4 cr.)
_____	_____	Free Elective _____
_____	_____	COL 201 Capstone Seminar (1 cr.)

CATEGORICAL ELECTIVE OPTIONS ARE LISTED ON BACK OF CURRICULUM GUIDE

CATEGORICAL ELECTIVES** – ACADEMIC YEAR 2020-2021

Business Elective: any non-required accounting, business, computer information systems, cyber security, economics, finance, management, marketing, or sport marketing listing

Business Elective (200 level): any non-required 200 level (or higher) accounting, business, computer information systems, cyber security, economics, finance, management, marketing, or sport marketing listing

Business Elective (300 level): ACC 305, ACC 310, ACC 315, ACC 320, ACC 325, ACC 330, ACC 405, ACC 410, ACC 420, BUS 310, BUS 315, BUS 320, BUS 325, BUS 410, FIN 325, MGT 305, MGT 310, MGT 320, MGT 330, MGT 340, MGT 350, MGT 410, MGT 450, MKT 310, MKT 320, MKT 325, RFM 305, RFM 310, RFM 320, RFM 410, RFM 435, RFM 460

Concentration Courses: COM 208, COM 210, COM 310, CTN 225, CTN 230, CTN 245, CTN 250, EDU 215, ENG 315, ENG 325, ENG 335, ENG 340, ENG 345

Core Curriculum Elective: Any non-required humanities, social science, or science

Core Elective (300 level): BUS 310, BUS 410, CJS 410, CJS 425, ENG 310, ENG 315, ENG 320, ENG 330, ENG 335, ENG 345, HIS 305, HIS 310, HIS 320, HSV 375, HSV 410, HSV 425, MKT 320, MKT 325, PHL 305, PHL 310, PSY 305, PSY 310, SSC 310, SSC 320, SSC 325, SSC 330, SSC 340

Criminal Justice Elective (300 level): CJS 305, CJS 315, CJS 335, CJS 425, HSV 415, HSV 435, SSC 330

Diversity/Global Studies Elective: ACC 235, BUS 410, COM 228, CYB 105, CYB 205, ENG 220, ENG 240, HIS 110, HIS130, HIS138, HIS155, HIS215, HIS220, HIS305, HIS 310, HIS 320, HSV 375, HSV 425, MGT 235, MGT 330, MKT 215, MKT310, MKT 320, PHL 315, RST 210, SPN 101, SSC 225, SSC 235, SSC 260, SSC 310, SSC 340

Diversity/Global Studies Elective (300 level): BUS 410, HIS 310, HIS 320, HSV 375, HSV 425, MGT 330, MKT 310, MKT 320, PHL 315, SSC 310, SSC 340

Free Elective: any non-required 3 credit course (DEV courses do not satisfy this requirement)

History Elective: HIS 105, HIS 110, HIS 118, HIS 120, HIS 130, HIS 138, HIS 140, HIS 155, HIS 215, HIS 220, HIS 305, HIS 310, HIS 320

Human Services Elective (300 level): HSV 315, HSV 340, HSV 345, HSV 350, HSV 355, HSV 375, HSV 415, HSV 425, HSV 435, HSV 445, PSY 310, SSC 330, SSC 340

Humanities Elective: Any non-required fine arts (ART), communications (COM/CTN), literature (ENG), history (HIS), language (SPN), religious studies (RST), or philosophy (PHL) listing

Humanities Elective (200 level): Any non-required 200 level fine arts (ART), communications (COM/CTN), literature (ENG), history (HIS), language (SPN), religious studies (RST), or philosophy (PHL) listing

Literature Elective (200 level): ENG 215, ENG 220, ENG 225, ENG 230, ENG 235, ENG 240, ENG 310, ENG 320, ENG 330

Literature Elective (300 level): ENG 310, ENG 320, ENG 330, ENG 345

Philosophy Elective: PHL 105, PHL 115, PHL 120, PHL 125, PHL 140, PHL 145, PHL 205, PHL 210, PHL 225, PHL 305, PHL 310, PHL 315, PHL 410

Science Elective: BIO 105, BIO 110, BIO 115, ESC 105, ESC 115, ESC 130, ESC 135, ESC 140, ESC 155, PHY 105

Science Elective (200 level): BIO 225, BIO 235, BIO 260

Social Science Elective: Any non-required psychology, sociology, criminal justice, education, human services, or history listing

Social Science Elective (200 level): Any non-required 200 level psychology, sociology, criminal justice, education, human services, or history listing

Workshop Selections: WRT 410, WRT 420, WRT 430

****MANY OF THE COURSES LISTED AS CATEGORICAL ELECTIVES HAVE PREREQUISITES. PLEASE REVIEW COURSE DESCRIPTIONS FOR PREREQUISITE INFORMATION****