

Lackawanna College

CYBER SECURITY

ASSOCIATE IN SCIENCE DEGREE REQUIREMENTS

ACADEMIC YEAR 2019-2020

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.

Semester Taken	Grade Earned	First Semester 16 Credits
_____	_____	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.)

Semester Taken	Grade Earned	Second Semester 15 Credits
_____	_____	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)

Semester Taken	Grade Earned	Third Semester 17 Credits
_____	_____	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 _____

Semester Taken	Grade Earned	Fourth Semester 15 Credits
_____	_____	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.)

Social Science Elective: PAD 105; any non-required psychology, sociology, criminal justice, education, or history listing

Humanities Elective: ART 105, COM 105, COM 150, COM 205, COM 208, COM 210, COM 220, COM 228, COM 230, COM 245, ENG 110, ENG 215, ENG 220, ENG 225, ENG 230, ENG 235, ENG 240, HIS 105, HIS 110, HIS 118, HIS 130, HIS 138, HIS 140, HIS 145, HIS 155, HIS 305, HIS 310, PHL 105, PHL 115, PHL 120, PHL 125, PHL 205, SPN 101

Science Elective: BIO 105, BIO 110, BIO 115, ESC 105, ESC 115, ESC 125, ESC 130, ESC 135, ESC 145, ESC 155, PHY 105

**C Y B E R S E C U R I T Y
ASSOCIATE IN SCIENCE DEGREE**

PORTFOLIO REQUIREMENTS

CAREER DOCUMENTS

_____ Current Resume
_____ Letter of recommendation

_____ Career Exploration

CORE COURSEWORK

_____ ENG 105 - College Writing - Graded Research Paper

MAJOR COURSEWORK (3 samples - graded papers or projects)

_____ **LACKAWANNA REFLECTION PAPER**