

Joliet Junior College and Lewis University 3+1 Program

Bachelor of Science in Cybersecurity – Associate in Applied Science in Cybersecurity

Joliet Junior College total credits = 93, Lewis University total credits = 42

Student must complete Associate in Applied Science in Cybersecurity.

All courses are JJC courses unless indicated otherwise.

First Semester	Hours	Second Semester	Hours
ENG 101 Rhetoric	3	Social & Behavioral Sciences	3
MATH 137 Intro to Discrete Math*	4	CNT 101 Cisco CCNA Introduction	3
CIS 123 Linux Essentials	3	CNT102 Cisco CCNA Intermediate	3
CYBIT110 Operating Systems	3	CYBIT120 IT Technical Support	3
CYBIT150 Security Fundamentals	3	CYBIT200 Network Essentials	3
Total Hours	16	Total Hours	15

Summer Semester	Hours
CNT 220 CCNA Security	4
Total Hours	3

Third Semester	Hours	Fourth Semester	Hours
CYBIT210 Server Fundamentals	3	CYBIT121 Advanced IT Technical Support	3
CYBIT250 Comp & Net Security	3	CIS 236 Programming in C	4
CYBIT251 Computer Forensics	3	CYBIT260 Ethical Hacking	3
CIS 135 Intro to Programing	4	CYBIT270 CyberSecurity Analyst	3
Fine Arts/Humanities	3	CYBIT271 CyberOps	3
Total Hours	16	Total Hours	16

Fifth Semester	Hours	Sixth Semester	Hours
Social & Behavioral Sciences**	3	Fine Arts/Humanities	3
COMM 101 Principles of Communication	3	Social & Behavioral Sciences**	3
Physical or Life Sciences	3	PHIL 103 Introduction to Ethics	3
Fine Arts/Humanities	3	Physical or Life Sciences	3
N/A	N/A	ENG 102 Rhetoric II	3
THEO 10000 Search for Faith (Lewis course)	3	SOCI 29000 Diversity and Social Justice (Lewis course)	3
Total Hours	15	Total Hours	18

Seventh Semester	Hours	Eighth Semester	Hours
INSY 35100 Security Assessment and Risk Management (Lewis course)	3	INSY 45000 Enterprise Security (Lewis course)	3
CPSC 33000 Database Systems (Lewis course)	3	CPSC 35000 Operating Systems (Lewis course)	3
CPSC 34000 Algorithms and Data Structures (Lewis course)	3	CPSC 42100 Computer Security II (Lewis course)	3
CPSC 30000 Computer Organization (Lewis course)	3	CPSC 42500 Encryption (Lewis course)	3
INSY 23000 Legal and Ethical Issue in Computing (Lewis course)	3	CPSC 42700 Programming for Penetration Testing (Lewis course)	3
INSY 46000 Cybercrime Prevention Tools (Lewis course)	3	CPSC 49300 Infrastructure Capstone (Lewis course)	3
Total Hours	18	Total Hours	18

*If not placed into MATH137, then MATH131 or MATH138 will required to take first.

** Two different disciplines.

Revised 4/2024