Joliet Junior College and Lewis University 3+1 Program

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

Option for Baccalaureate to Masters included

Joliet Junior College total credits = 93, Lewis University total credits = 39

***Student must complete* Associate in Applied Science in Cybersecurity.**

All courses are JJC courses unless indicated otherwise.

First Semester	**Hours**
ENG 101 Rhetoric	3
MATH 137 Intro to Discrete Math*	4
CIS 123 Linux Essentials	3
CYBIT 110 Operating Systems	3
CYBIT 150 Security Fundamentals	3
N/A	N/A
Total Hours	**16**

Second Semester	**Hours**
CNT 101 Cisco CCNA Introduction	3
CNT 102 Cisco CCNA Intermediate	3
CYBIT 122 IT Essentials	3
CYBIT 200 Network Essentials	3
CYBIT 210 Server Fundamentals	3
Social & Behavioral Sciences**	3
Total Hours	**18**

Third Semester	**Hours**
CIS 135 Intro to Programing	4
CNT 220 CCNA Security	3
CYBIT 250 Comp & Net Security	3
CYBIT 251 Computer Forensics	3
PHIL 103 Introduction to Ethics	3
Total Hours	**16**

Fourth Semester	**Hours**
CIS 236 Programming in C	4
CYBIT 260 Ethical Hacking	3
CYBIT 270 CyberSecurity Analyst	3
CYBIT 271 CyberOps	3
CYBIT 298 Cybersecurity Capstone	3
Total Hours	**16**

Fifth Semester	**Hours**
Social & Behavioral Sciences**	3
Fine Arts/Humanities**	3
COMM 101 Principles of Communication	3
Physical or Life Sciences	3
N/A	N/A
THEO 10000 Search for Faith (Lewis course)	3
Total Hours	**15**

Sixth Semester	**Hours**
Fine Arts/Humanities**	3
Social & Behavioral Sciences**	3
Fine Arts/Humanities**	3
Physical or Life Sciences	3
ENG 102 Rhetoric II	3
SOCI 29000 Diversity and Social Justice (Lewis course)	3
Total Hours	**18**

Seventh Semester	**Hours**
INSY 35100 Security Assessment and Risk Management (Lewis course)	3
CPSC 30000 Computer Organization (Lewis course)	3
CPSC 33000 Database Systems (Lewis course)	3
CPSC 34000 Algorithms and Data Structures (Lewis course)	3
INSY 23000 Legal and Ethical Issue in Computing (Lewis course) or INSY-53000 Legal & Ethical Issues in Information Security (Lewis graduate course)	3
INSY 46000 Cybercrime Prevention Tools (Lewis course)	3
Total Hours	**18**

Eighth Semester	**Hours**
CPSC 35000 Operating Systems (Lewis course)	3
CPSC 42200 Wireless Security (Lewis course) or CPSC 52000 Network Security Essentials (Lewis graduate course)	3
CPSC 42500 Encryption (Lewis course) or CPSC 52500 Encryption (Lewis graduate course)	3
CPSC 42700 Programming for Penetration Testing (Lewis course)	3
CPSC 49300 Infrastructure Capstone (Lewis course)	3
N/A	N/A
Total Hours	**15**

***If not placed into MATH137, then MATH131 or MATH138 will be required to take first along with have Geometry requirement met.**

****** Two different disciplines.**

Baccalaureate to Masters Option

During Year 4, students have an opportunity to apply to the Baccalaureate to Masters program. Upon admission to the program, students may substitute up to three graduate cybersecurity courses for three undergraduate cybersecurity courses. Tuition for the graduate coursework will be charged at the 3+1 tuition rate and financial aid will apply. After conferral of the bachelor's degree if the student continues to the graduate program in Cybersecurity, they can complete the program in one year if the student completed three graduate courses as an undergraduate student. Additionally, the student will be given a 20% Frequent Flyer tuition discount. The Frequent Flyer discount combined with the 3+1 tuition pricing reduces the entire program over 40%.

Graduate Semester 1	**Hours**
CPSC 68500 Enterprise Network Security (Lewis graduate course)	3
CPSC 66500 Application Security (Lewis graduate course)	3
INSY 55000 Operations and Organization Security (Lewis graduate course)	3
INSY 55100 Information Security Strategies (Lewis graduate course)	3
Total Hours	**12**

Graduate Semester 2	**Hours**
CPSC 56000 Securing Operating Systems (Lewis graduate course)	**3**
INSY 55200 IT Governance and Compliance (Lewis graduate course)	**3**
INSY 55600 Disaster Recover & Business Continuity Planning (Lewis graduate course)	**3**
CPSC 59100 Cybersecurity Project (Lewis graduate course)	**3**
Total Hours	**12**