

Attachment A: Bachelor of Science in Cybersecurity---Associate in Applied Science in Cybersecurity

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

First Semester	Hours	Second Semester	Hours
ENG 101 Rhetoric	3	CNT 101 Cisco Certified Network Associate (CCNA) Introduction	3
CYBIT 110 Operating Systems Fundamentals	3	CNT 102 - Cisco Certified Network Associate (CCNA)	3
CYBIT 150 Security Fundamentals	3	CYBIT 122 IT Essentials	3
MATH 137 Introduction to Discrete Math*	4	CYBIT 200 Networking Essentials	3
CIS 123 Linux Essentials Network Development Group	3	Social & Behavioral Sciences	3
		CYBIT 210 Server Fundamentals	
Total Hours	16		18

Third Semester	Hours	Fourth Semester	Hours
CNT 220 Cisco Certified Network Associate (CCNA) Security	3	CIS 236 Programming in C	4
CYBIT 250 Computer & Network Security	3	CYBIT 260 Ethical Hacking	3
CYBIT 251 Computer Forensics	3	CYBIT 270 CyberSecurity Analyst	3
CIS 135 Introduction to Programming	4	CYBIT 271 CyberOps	3
PHIL 103 Introduction to Ethics	3	CYBIT298 Cybersecurity Capstone course	3
Total Hours	16		16

Fifth Semester	Hours	Sixth Semester	Hours
Social Science	3	Social Science	3
Humanities & Fine Arts	3	Humanities & Fine Arts	3
COMM 101 Principles of Communication	3	ENG 102 Rhetoric II	3
Science	3	Science	3
CPSC 30000 Computer Organization	3	Humanities & Fine Arts	3
		CPSC 35000 Operating Systems	3
Total Hours	15		18

Seventh Semester	Hours	Eighth Semester	Hours
INSY 35100 Security Assessment and Risk Management	3	SOCI 29000 Diversity and Social Justice	3
THEO 10000 Search for Faith	3	CPSC 42200 Wireless Security or CPSC 52000 Network Security Essentials	3
CPSC 33000 Database Systems	3	CPSC 42500 Encryption or CPSC 52500 Encryption	3
CPSC 34000 Algorithms and Data Structures	3	CPSC 42700 Programming for Penetration Testing	3
INSY 23000 Legal and Ethical Issue in Computing or INSY-53000 Legal & Ethical Issues in Information Security	3	CPSC 49300 Infrastructure Capstone	3
INSY 46000 Cybercrime Prevention Tools	3		
Total Hours	18		15

* If the student did not place out of MATH 13100, they will have to take that first, perhaps during the preceding summer term.

Courses listed in *italics* are Lewis courses; all other courses are JJC courses.

Baccalaureate to Masters Option

During the sixth or seventh semester, 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 (see italicized coursework on the previous page) 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	Graduate Semester 2	Hours
<i>CPSC 68500 Enterprise Network Security</i>	3	<i>CPSC 56000 Securing Operating Systems</i>	3
<i>CPSC 66500 Application Security</i>	3	<i>INSY 55200 IT Governance and Compliance</i>	3
<i>INSY 55000 Operations and Organization Security</i>	3	<i>INSY 55600 Disaster Recover & Business Continuity Planning</i>	3
<i>INSY 55100 Information Security Strategies</i>	3	<i>CPSC 59100 Cybersecurity Project</i>	3
Total Hours	12		12