

Attachment E: Bachelor of Science in Cybersecurity – Associate in Applied Science in CyberSecurity
Joliet Junior College total credits = 93, Lewis University total credits = 42

First Semester	Hours	Second Semester	Hours
ENG 101 Rhetoric	3	Social & Behavioral Sciences	3
MATH 137 Intro to Discrete Math*	4	CNT 101 Network Fundamentals	3
CIS 123 Linux Essentials Network Development Group	3	CIS 275 IT Technical Support	3
CIS172 Operating Systems Fundamentals	3	CIS 276 Advanced IT Support	3
CIS 277 Security Fundamentals	3	CIS 263 Network Essentials	3
Total Hours	16		15

Summer Semester	Hours
CNT 220 CCNA Security	4
Total Hours	3

Third Semester	Hours	Fourth Semester	Hours
CIS 272 Server Fundamentals	3	CIS 162 Wireless Foundations	3
CIS 292 Computer & Network Security	3	CIS 236 Programming in C	4
CIS 296 Computer Forensics	3	CIS 278 Ethical Hacking	3
CIS 135 Intro to Programing	4	CIS 294 CyberSecurity Analyst	3
Fine Arts/Humanities**	3	CIS 297 CyberOps	3
Total Hours	16		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
		ENG 102 Rhetoric II	3
<i>THEO 10000 Search for Faith</i>	3	<i>SOCI 29000 Diversity and Social Justice</i>	3
Total Hours	15		18

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

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

** Two different disciplines

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