

## CYBERSECURITY CURRICULUM

### FRESHMAN YEAR

Course	Hrs. Credit	Course	Hrs. Credit
SENL 101N (English Composition I).....	3	SENL 102N (English Composition II).....	3
SHIS 201N or 202N (U.S. History).....	3	Social/Behavioral Science (100/200) .....	3
SMAT 130N (Elementary Statistics) .....	3	Mathematics/Analytical Reasoning (100/200)	3
CYBR 100N (Introduction to Cybersecurity) ...	3	CYBR 101N (Computer and IT fundamentals).	3
JRDV 111N (College Survival Skills) .....	1	Humanities Elective (100/200) .....	3
JRDV 111AN (Freshman Assembly).....	0		
CISP 164N (Computer Productivity I).....	3		
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	16		15

### SOPHOMORE YEAR

Humanities Elective(100/200) .....	3	CYBR 210 Intro to Cryptography .....	3
SBIO 101N & 101L (General Biology I) .....	4	SBIO 102N & 102N (General Biology II) .....	4
CYBR 201 Secure Network Resource Mgmt....	3	Social/Behavioral Science (100/200) .....	3
Fine Arts Elective (100/200).....	3	Free Elective.....	3
Natural/Physical Science Elective (100/200) ..	3		
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	16		13

### JUNIOR YEAR

CYBR 301 Digital Forensics.....	3	CYBR 330 Data Analytics .....	3
CYBR 311 Network Attacks and Hacking .....	3	CYBR 335/335L Intro to Telecomm.....	4
CYBR 322/322L Incident Handling and Mali. ..	4	CYBR 342/342L Secure Software Design .....	4
CISP 315 Data Communications and Network	3	CYBR 355 PC Hardware and OS Architecture...	3
CISP 320 System Analysis and Design.....	3		
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	16		14

### SENIOR YEAR

CYBR 410 Linux System Administration .....	4	CYBR 430/430L Secure Programming.....	4
CISP 428 Network/Internet Sec Management	4	CISP 435 Applications of Information Sec.....	4
Cyber Elective (IBM module) .....	3	CYBR 455 Capstone Project .....	3
Cyber Elective (IBM module) .....	3	Free Elective.....	3
Free Elective.....	2		
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	16		14

**Total: 120 Credit Hours**