

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 Networking.....	4
CYBR 322/322L Incident Handling and Mali. ..	4	CYBR 342/342L Secure Software Design	4
CYBR 315 Secure Software Development	3	CYBR 355 Securing Industrial Control Systems	3
(NetAcad DevNet)			
CISP 320 System Analysis and Design	3		
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16		14	

SENIOR YEAR

CYBR 410 Linux System Administration.....	4	CYBR 430/430L Securing Operations Fundam	4
CYBR428 Switching Routing, and Wireless.....	4	CYBR 435 Enterprise Network Application....	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