



MAJOR REQUIREMENTS

LOWER DIVISION MAJOR REQUIREMENTS (Area F – 18 Credit Hours)	
	ACCT 2100 - Introduction to Financial Accounting
	MATH 2332 - Probability and Data Analysis OR
	STAT 1401 - Elementary Statistics OR
	ECON 2300 - Business Statistics
	CSE 1321 - Programming and Problem Solving I AND
	CSE 1321L – Programming and Problem Solving I Lab
	IT 1323 - Advanced Programming Principles AND
	IT 1323L - Advanced Programming Principles Lab
	CSE 2300 - Discrete Structures for Computing OR
	MATH 2345 - Discrete Mathematics
	One Hour from Area D
UPPER DIVISION MAJOR REQUIREMENTS (36 Credit Hours)	
Upper Division Technical Core (12 Credit Hours)	
	CYBR 3123 - Hardware and Software Concepts
	CYBR 3423 - Operating Systems Concepts & Administration
	CYBR 4323 - Data Communications & Networking
	CYBR 4423 - Linux/Unix Administration
Upper Division Security Core (21 Credit Hours)	
	CYBR 3100 - Principles of Information Security
	CYBR 3200 - Network Security
	CYBR 3210 - Client Systems Security
	CYBR 3300 - Management of Information Security
	CYBR 4200 - Perimeter Defense
	CYBR 4220 - Server Systems Security
	CYBR 4330 - Incident Response and Contingency Planning
Capstone (3 Credit Hours)	
	CYBR 4810 - Cyber Defense

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UPPER DIVISION MAJOR SPECIALIZATIONS (9 Credit Hours)	
Students to choose one track from:	
Systems Security Track	
	CYBR 3153 : Database Systems
	CYBR 4843 : Ethical Hacking for Effective Defense OR CYBR 4883 : Infrastructure Defense
	CYBR 4350 : Management of Digital Forensics & eDiscovery OR CYBR 4853 : Computer Forensics
Network Security Track (Requires CRJU 1101 as Area E General Education requirement, otherwise students must take as a Free Elective)	
	CYBR 4333 : Network Configuration & Administration
	CYBR 4833 : Wireless Security
	CYBR 4893 : Internet of Things: Applications and Security
Cybercrime Track	
	CYBR 3305 : Technology and Criminal Justice
	CYBR 4305 : Technology and Cyber Crime
	CYBR 4350 : Management of Digital Forensics & eDiscovery OR CYBR 4853 : Computer Forensics
UPPER DIVISION MAJOR ELECTIVES (9 Credit Hours) from:	
	CYBR 3396 : Cooperative Study
	CYBR 3398 : Internship
	CYBR 4400 : Directed Study
	CYBR 4490 : Special Topics in Cybersecurity
	Any 3xxx or 4xxx IS/ISA/IT/CS/CRJU course the student can meet the prerequisites for except restricted ISA or IT Security course (see advisor for complete listing)
Free Electives (9 Credit Hours)	