

Curriculum Outline: B.S. in Cyber Security – Computer Science Track (125 credit hours)
[CYS – Computer Science Cyber Security]

Freshman Year			
Fall	Cr	Spring	Cr
MAT 117 – Pre-Calculus I	3	MAT 130 –Calculus	3
CSC 151 – Computer Programming I	4	CSC 152 – Computer Programming II	3
ENG 101 – Written Communication I	3	CSC 120 – Introduction to Computers	3
UNI 101 – The Individual and Life	1	ENG 102 – Written Communication II	3
HIS 106 – World Civil II	3	HEA 200 – Health Education (or 2 PE)	2
HUM 201 – Humanity I	3	COM 103 – Oral Communication	3
	17		17
Sophomore Year			
Fall	Cr	Spring	Cr
CSC 204 – Architecture I	3	CSC 205 – Architecture II	3
CSC 251 – Data Structure I	3	CSC 252 – Data Structure II	3
CSC 215 – Discrete Structure	3	PSY 203 – Intro to Psychology	3
SOC 205 – Sociology	3	CRJ 215– Introduction to Criminology	3
BIO 103 – General Biology	4	SCI 104 – Intro to Physical Science	4
	16		16
Junior Year			
Fall	Cr	Spring	Cr
CSC 301 – Operating System	3	CSC 308 – Programming Languages	3
CYS/CSC 382 – Intro to Cyber Security	3	CSC 570 – Database Management	3
MAT 205 – Intro to Stats	3	CYS/CSC 323 – Ethics, Law and Policy in Cyberspace	3
HUM-Elective	3	ENG 218 – Technical Communication	3
CRJ 306 – Fundamental of Criminal Law and Process	3	CRJ 407 – Forensics and Crime Scene Investigation	3
	15		15
Senior Year			
Fall	Cr	Spring	Cr
CSC 404 – Software Design I / Senior Capstone	3	CSC 405 – Software Design II / Senior Capstone	3
CSC 425 – Senior Seminar	2	CYS 475 – Computer Viruses and Malicious Software	3
CSC 571 – Communication & Network	3	CYS 485 – Risk Management	3
CRJ 409 – Criminalists Cyber Crime	3	CRJ 411 – Homeland Security	3
CYS 470 – Computer Forensics and Incident Handling	3	CYS/CSC/CRJ Advanced Elective	3
	14		15