Cybersecurity Tentative Plan of Study

Year 1

Fall

Course #	Course Title	Credits
ENGL 1150	English Composition I	3
CIST 1400	Intro to Computer Science I	3
MATH 1950	Calculus I	5
CYBR 1100	Intro to Information Security	3
Elective	CIST 1010 College & Career Success	1
	Semester Total:	15
	Cumulative Total:	15

Spring

Course #	Course Title	Credits
ENGL 1160	English Composition II	3
CSCI 1620	Intro to Computer Science II	3
CSCI 2030	Mathematical Foundations of Computer Science	3
CMST 1110/2120	Public Speaking **OR** Debate	3
GenEd	Social Science Course	3
	Semester Total:	15
	Cumulative Total:	30

Year 2

Fall

Course #	Course Title	Credits
CIST 2100	Organizations, Applications, & Technology	3
CYBR 2250	Low-Level Programming	3
CYBR 2600	Systems Administration	3
Elective	Free Elective	2
GenEd	Natural & Physical Science Course	3
	Semester Total:	14
	Cumulative Total:	44

Spring

Course #	Course Title	Credits
CIST 3110	IT Ethics	3
CSCI 3320	Data Structures	3
CSCI 3710	Intro to Digital Design	3
GenEd	Social Science/US Diversity Course	3
GenEd	Natural & Physical Science with Lab	4
	Semester Total:	16
	Cumulative Total:	60

Year 3

Fall

Course #	Course Title	Credits
CIST 3000	Advanced Composition for IS&T	3
CYBR 3600	Information Security, Policy, & Awareness	3
CYBR 3570	Cryptography	3
CSCI 3550	Communication Networks	3
CYBR Elective	Cybersecurity Elective	3
	Semester Total:	15
	Cumulative Total:	75

Spring

Course #	Course Title	Credits
CSCI 4350	Computer Architecture	3
CYBR 4360	Foundations of Cybersecurity	3
CYBR 4450	Host-Based Vulnerability Discovery	3
CYBR Elective	Cybersecurity Elective	3
CYBR Elective	Cybersecurity Elective	3
	Semester Total:	15
	Cumulative Total:	90

Year 4

Fall

Course #	Course Title	Credits
CYBR 4460	Network-Based Vulnerability Discovery	3
CSCI 4500	Operating Systems	4
CYBR Elective	Cybersecurity Elective	3
CYBR Elective	Cybersecurity Elective	3
GenEd	Humanities & Fine Arts Course	2
	Semester Total:	15
	Cumulative Total:	105

Spring

Course #	Course Title	Credits
CYBR 4580	Cybersecurity Capstone	3
CYBR 4380	Digital Forensics	3
CYBR Elective	Cybersecurity Elective	3
GenEd	Humanities & Fine Arts Course	3
Elective	Free Elective	3
	Semester Total:	15
	Cumulative Total:	120