



**MAJOR ACADEMIC PLAN (MAP)
CYBER OPERATIONS
EFFECTIVE CATALOG YEAR 2017-18**



Sample Schedule (subject to course rotations)

FALL		SPRING	
First Semester	CR	Second Semester	CR
Written Communication (ENGL 101)	3	CSC 250 Computer Science II- CSC 150	3
CSC 105 Intro to Computers	3	CSC 245 Info Security Fundamentals	3
Oral Communication (SPCM 101 or SPCM 215)	3	Social Science (2 disciplines)	3
CSC 150 Computer Science I	3	CSC 363 Hardware, Virtualization & Data Comm.	3
Natural Science	3	Arts and Humanities (2 disciplines or foreign lang.)	3
	15		15

30

Third Semester	CR	Fourth Semester	CR
CIS 275 Web Application Programming I- CSC 150	3	CIS 375 Web App Programming II CIS 275	3
CSC 383 Networking I	3	CSC 385 Networking II- CIS 383	3
Natural Science	3	CSC 328 Operating Environments	3
CSC 300 Data Structures- CSC 250	3	MATH 102 College Algebra	3
CIS 332 Structured Systems Analysis & Design- CSC 150	3	Written Communication (ENGL 201)	3
	15		15

30

Fifth Semester	CR	Sixth Semester	CR
CSC 314 Assembly Language- CSC 250	3	Arts and Humanities (2 disciplines or foreign lang.)	3
CSC 436 Off Network Security- CSC 328 and CIS 385	3	CSC 456 Operating Systems CSC 300 and CSC 314	3
CSC 234 Web Software Security	3	Social Science (2 disciplines)	3
MATH 201 Intro to Discrete Math	3	CSC 438 Defensive Network Security- Cis 385	3
CIS/CSC Elective (300-400 lvl or MATH 123 or above)	3	CIS/CSC elective (300-400 lvl or MATH 123 or above)	3
	15		15

30

Seventh Semester	CR	Eighth Semester	CR
CIS 484 Database Mgmt Systems- CSC 150 & 24 credits	3	CIS/CSC elective (300-400 lvl or MATH 123 or above)	3
CSC 444 Reverse Engineering- CSC 314	3	CSC 437 Survey of Enterprise Syst- CIS 385 & CSC 363	3
General Elective	3	CSC 432 Malware Analysis- CSC 314	3
General Elective	3	General Elective	3
CSC 420 Cellular & Mobile Communications- CIS 383	3	General Elective	3
	15		15

30

Fall Only:	Spring Only:	*Typical Core Course Summer Offerings
CIS275	CIS375	CIS 332
CSC420	CSC 385- offered in summer also	CSC 385
CSC234	CSC 456- offered in summer also	CIS 484
CSC436	CSC438	CSC 245
CSC482	CSC437	CSC 250
	CSC432	CSC 314
		CSC 328
		CSC 363
		CSC 456
		MATH 201
*Summer offerings are subject to change		