Cybersecurity BS
(Fall 2014 start, no co-op, begin with CS 110)

FALL		SPRING		SUMMER	
TERM 1		TERM 2			
MA 121 followed by MA 122	Differential Calculus Integral Calculus	MA 123 followed by MA 124	Series, Vectors, Functions, and Surfaces Calculus of Two Variables		
CS 110	Creative Problem Solving in Computing	CS 115	Intro Computer Science		
	Science I		Science II		
			Science Lab		
CS 146	Intro Web Programming & Project Development	CS 135	Discrete Structures		
CAL 103/105	Humanities	CAL 105/103	Humanities		
PE 200	Phys. Ed. I	PE 200	Phys. Ed. II		
TERM 3		TERM 4			
CS 306	Intro to IT Security	CS 385	Algorithms		
CS 284	Data Structures	CS 496	Principles of Programming Languages		
CS 334	Automata & Computation	CS 347	Software Development Process		
CS 383	Computer Organization & Programming	MA 222	Probability & Statistics		
HSS 371 or HPL 455	Computers & Society or Ethical Issues in Science and Technology		Humanities 200 level		.
PE 200	Phys. Ed. III	PE 200	Phys. Ed. IV		
TERM 5		TERM 6			
CS 442	Database Mgmt. Systems	CS 492	Operating Systems		
CS 576	Secure Systems	CS 488	Computer Architecture		
CS 577	Cybersecurity Lab	CS 579	Foundations of Cryptography		
CS 392	Systems Programming	CS 578	Privacy in a Networked World		
CS 503	Discrete Math for Cryptography	HUM	Humanities 300 level		
TERM 7		TERM 8			
CS 425	Cybersecurity Capstone I	CS 426	Cybersecurity Capstone II		

CS 5XX	Information Security and the Law	CS 521	TCP/IP Networking		
CS 443	Database Practicum	CS	Security elective		
CS 511	Concurrent Programming		Free elective		
CS	Security elective	HUM	Humanities elective		
CS 485	Societal Impact of Information Technologies (1 credit)				