

Cybersecurity BS
(Fall 2014 start, Co-op schedule A, begin with CS 181)

FALL		SPRING		SUMMER	
TERM 1		TERM 2		Co-op	
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 181	Intro Computer Science, Honors I	CS 182	Intro Computer Science, Honors II		
	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		Co-op		TERM 4	
CS 306	Intro to IT Security			CS 503	Discrete Math for Cryptography
CS 392	Systems Programming			HUM	Humanities 200 level
CS 334	Automata & Computation			HUM	Humanities 300 level
CS 383	Computer Organization & Programming				Free elective
HSS 371 or HPL 455	Computers and Society or Ethical Issues in Science and Technology			MA 222	Probability & Statistics
PE 200	Phys. Ed. III			PE 200	Phys. Ed. IV
Co-op		TERM 5		Co-op	
		CS 492	Operating Systems		
		CS 488	Computer Architecture		
		CS 579	Foundations of Cryptography		
		CS 578	Privacy in a Networked World		
		CS 347	Software Development Process		
TERM 6		Co-op		Co-op	
CS 442	Database Mgmt. Systems				
CS 443	Database Practicum				

CS 576	Secure Systems				
CS 577	Cybersecurity Lab				
HUM	Humanities elective				
TERM 7		TERM 8			
CS 425	Cybersecurity Capstone I	CS 426	Cybersecurity Capstone II		
CS	CS elective		Security elective		
	Security elective	CS 496	Principles of Programming Languages		
CS 595	Information Security & the Law		Free elective		
CS 511	Concurrent Programming	CS 521	TCP/IP Networking		
CS 485	Societal Impact of Information Technologies (1 credit)				