

BACHELOR OF SCIENCE IN COMPUTER SECURITY & INFORMATION ASSURANCE
WITH CONCENTRATIONS IN DIGITAL FORENSICS, INFORMATION WARFARE, AND ADVANCED INFOSEC

Fall Freshman Year		Credits
EN101 Comp & Lit I		3
IS100 Foundations of Computing and Security		3
IS130 Computer Programming I		3
MA107 Pre-Calculus		4
ROTC		
* Totals (without ROTC)		13

Spring Freshman Year		Credits	#Credits	#Courses
Arts & Humanities Elective		4		
EN102 Comp & Lit II		3		
History Elective		3		
IS131 Computer Programming II		3		
Lab Science 1		3		
ROTC				
Totals (without ROTC)		16	29	9

Fall Sophomore Year		Credits
CJ341 Cyber Law & Cyber Crime		3
IS228 Data Structures		3
MA240 Number Theory		3
MG341 Business Law I		3
PY211 Introduction to Psychology		3
ROTC		
Totals (without ROTC)		15

Spring Sophomore Year		Credits	#Credits	#Courses
IS240 Databases		3		
IS260 Data Communications & Networking		3		
MA318 Cryptology		3		
MG346 Business Law II		3		
QM213 Business & Econ Statistics		3		
ROTC				
Totals (without ROTC)		15	30	10

Fall Junior Year		Credits
EN112 Public Speaking		3
IS301 Software Engineering I		3
IS340 Intro to Information Assurance		3
MG309 Management of Organizations		3
Concentration Elective		3
ROTC		
Totals (without ROTC)		15

Spring Junior Year		Credits	#Credits	#Courses
EN204 Technical/Professional Writing		3		
IS302 Software Engineering II		3		
IS342 Mgmt. of Information Assurance		3		
MG351 Organizational Behavior		3		
Concentration Elective		3		
ROTC				
Totals (without ROTC)		15	30	10

Fall Senior Year		Credits
Free Elective		3
IS455 Concentration Capstone I		3
Lab Science 2		4
Concentration Elective		3
Concentration Elective		3
ROTC		
Totals (without ROTC)		16

Spring Senior Year		Credits	#Credits	#Courses
EC201 Macroeconomics		3		
IS456 Concentration Capstone II		3		
Literature Elective		3		
Concentration Elective		3		
Concentration Elective		3		
ROTC				
Totals (without ROTC)		15	31	9

CONCENTRATION LISTINGS ON BACK (declare one during your sophomore year --->)

updated 15 June 2010

CREDITS	120	**
COURSES		38

**or 121 with CJ442 Digital Forensics

Bachelor of Science in Computer Security and Information Assurance						
CORE CURRICULUM						
Business Component		Math Component				
MG341	Business Law I	MA107	Pre-Calculus			
MG346	Business Law II	MA240	Number Theory			
MG351	Organizational Behavior	MA318	Cryptology			
EC201	Macroeconomics					
QM213	Business and Economics Statistics					
Technical Component		Social Science Component				
IS100	Foundations of Computing and Security	CJ341	Cyber Law & Cyber Crime			
IS130	Introduction to Computing	PY211	Introduction to Psychology			
IS131	Introduction to Programming					
IS206	Data Communications & Networking					
IS301	Software Engineering I	English Component				
IS302	Software Engineering II	EN101	Composition and Lit I			
IS340	Introduction to Information Assurance	EN102	Composition and Lit II			
IS342	Management of Information Assurance	EN112	Public Speaking			
IS455	Contemporary Issues in Computer Science (Concentration Capstone I)	EN204	Professional & Technical Writing			
IS456	Cyber Defense Practicum (Concentration Capstone II)					
FORENSICS CONCENTRATION		INFORMATION WARFARE CONCENTRATION				
CJ442	Digital Forensics	IS370	Introduction to Information Warfare			
IS311	Network Forensics	IS380	Offensive Information Warfare			
IS312	Malware Forensics	IS382	Defensive Information Warfare			
IS411	Digital Investigation	IS[406]*	Politics of Cyberspace			
	Elective		Elective			
	Elective		Elective			
			<i>* IS406 expected to be renumbered by UCC</i>			
ADVANCED INFOSEC CONCENTRATION		Permitted Concentration Electives		Available for		
CJ442	Digital Forensics			Forensics	IW	INFOSEC
CP431	Network Security	CJ442	Digital Forensics		Y	
EE325	Computer Architecture & Operating Systems	CP431	Network Security	Y	Y	
IS440	Software Engineering III	EE325	Computer Architecture & Operating Systems	Y	Y	
	Elective	IS300	Management Information Systems	Y	Y	Y
	Elective	IS311	Network Forensics		Y	Y
		IS312	Malware Forensics		Y	Y
		IS330	Ethics in Computing & Technology	Y	Y	Y
		IS370	Introduction to Information Warfare	Y		Y
		IS380	Offensive Information Warfare	Y		Y
		IS382	Defensive Information Warfare	Y		Y
		IS[406]*	Politics of Cyberspace	Y		Y
		IS406	Special Topics in Computer Science	Y	Y	Y
		IS410	Computing Internship	Y	Y	Y
		IS411	Digital Investigation		Y	Y
		IS440	Software Engineering III	Y	Y	
		PO333	American Foreign Policy		Y	
		PY234	Forensic Psychology	Y	Y	Y