

College of Business and Public Administration
Bachelor of Science in Information Systems Technology
Cyber Security Option (B.S.)

General Education Requirements (82 Units)		Units	Required Core Courses (64 Units)		Units
Area A - Basic Skills		12	Lower Division Courses		36
___ 1. Written Communications			___ ADMN 210	Applied Business Statistics	
___ 2. Oral Communication			___ IST 101	Introduction to Information Technology	
___ 3. Critical Thinking			___ IST 215	Cyber Security (Prereq: IST 101)	
Area B - Natural Sciences		20	___ IST 274	Data Base Management & Policies (Prereq: IST 101)	
___ 1. Mathematics			___ IST 275	Information Networking & Security (Prereq: IST 101)	
___ 2. Life Science			___ IST 276	Systems Analysis & Design (Prereq: IST 101)	
___ 3. Physical Science			___ IST 282	Business Systems I (Prereq: IST 101)	
___ 4. Special Topics in Science and Technology			___ MGMT 230	Business Law	
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			4 Units Chosen From the Following:		
Area C - Humanities		20	MATH 110, MATH 120, MATH 192, or MATH 211 (also counts in GE-B1)		
___ 1. Arts			Upper Division Courses		28
___ 2. Literature			___ IST 309	Information Systems and Technology (Prereq: IST 101)	
___ 3. Foreign Language			___ IST 372	Information Technology (Prereq: IST 309)	
___ 4. Philosophy			___ IST 474	Advc Data Base Mngmt & Info Assurance (Prereq: IST 274, 309)	
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			___ IST 475	Advc Info Networking & Security (Prereq: IST 275 & IST 309)	
Area D - Social and Behavioral Sciences		20	___ MGMT 302	Management & Organizational Behavior	
___ 1. American History and Civilization			___ SCM 515	Project Management	
___ 2. American Institutions (PSCI 203)			___ IST 490	Info Systems Planning & Policy	
___ 3. World Cultures			(Prereq: all upper division courses & MGMT 306)		
___ 4. Discipline Perspectives			Cyber Security Option Courses (28 Units)		28
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			___ ACCT 211	Introductory Accounting I	
Area E - Lifelong Understanding		6	___ ACCT 212	Introductory Accounting II (prereq: ACCT 211)	
___ 1. The Whole Person: Physical & Physiological Issues			___ FIN 313	Business Finance (prereq: ACCT 212, ADMN 210, Math 110)	
___ 2. The Whole Person: Social & Psychological Issues			___ IST 415	Security Systems Management (Prereq: IST 215)	
___ 3. Physical Education			___ IST 511	Cyber Defense (Prereq: IST 215 or IST 610)	
Area F - Upper-Division Writing Requirement		4	___ IST 525	Computer Forensics	
___ 1. Expository Writing (MGMT 306)			(Prereq: IST 215 or IST 610 & upper-division writing)		
Area G - Multicultural/Gender Requirement		4	4 Units Chosen From the Following:		
___ 1. Integrative Course in 1 of the 3 breadth areas: SSCI: 316, 350 HUM/NSCI/SSCI 325, or Hum: 328, 335, 350, 370, 375, 380			IST 476, 483, 575, 590, or 595D (refer to University catalog for prereq.)		

*** Please note that requirements for general education, required core courses, and concentration courses may not total required 180 units. Free Electives may be required to make up the difference.

(B.S.) INFORMATION SYSTEMS AND TECHNOLOGY CYBER SECURITY OPTION ROADMAP

YEAR 1 (<45 units)

Quarter 1	Quarter 2	Quarter 3
<input type="checkbox"/> IST 101	<input type="checkbox"/> IST 215	<input type="checkbox"/> IST 274
<input type="checkbox"/> GE A-1 (English)	<input type="checkbox"/> GE A-2 (COMM 120)	<input type="checkbox"/> GE A-3 (Critical Thinking)
<input type="checkbox"/> GE B-1 (Math110)	<input type="checkbox"/> GE B-2 (Life Science)	<input type="checkbox"/> GE C-2 (Literature)
<input type="checkbox"/> GE E-2 (FIN 101)	<input type="checkbox"/> GE- E1 (KINE 205)	<input type="checkbox"/> GE D-3 (World Cultures)

YEAR 2 (45-90 units)

Quarter 1	Quarter 2	Quarter 3
<input type="checkbox"/> IST 275	<input type="checkbox"/> IST 276	<input type="checkbox"/> IST 282
<input type="checkbox"/> GE C-1 (Arts)	<input type="checkbox"/> MGMT 230	<input type="checkbox"/> GE B-3 (Physical Science)
<input type="checkbox"/> GE D-1 (American History)	<input type="checkbox"/> GE D-2 (PSCI 203)	<input type="checkbox"/> GE C-4 (Philosophy)
<input type="checkbox"/> GE B-4 (Special Topics) <input type="checkbox"/> GE E-3 (Physical Education)	<input type="checkbox"/> GE C-3 (Foreign Language)	<input type="checkbox"/> GE D-4 (Discipline Perspective)

YEAR 3 (90-135 units)

Quarter 1	Quarter 2	Quarter 3
<input type="checkbox"/> IST 309	<input type="checkbox"/> IST 372	<input type="checkbox"/> IST 475
<input type="checkbox"/> ADMN 210	<input type="checkbox"/> ACCT 211	<input type="checkbox"/> ACCT 212
<input type="checkbox"/> MGMT 306	<input type="checkbox"/> IST 415	<input type="checkbox"/> IST Elective
<input type="checkbox"/> MGMT 302	<input type="checkbox"/> UD GE Capstone	<input type="checkbox"/> UD GE Capstone

YEAR 4 (>135 units)

Quarter 1	Quarter 2	Quarter 3
<input type="checkbox"/> SCM 515	<input type="checkbox"/> IST 525	<input type="checkbox"/> IST 490
<input type="checkbox"/> IST 474	<input type="checkbox"/> FIN 313	<input type="checkbox"/> UD GE Capstone
<input type="checkbox"/> IST 511	<input type="checkbox"/> Free Elective (if needed)	<input type="checkbox"/> Free Elective (if needed)
<input type="checkbox"/> Free Elective (if needed)		