

College of Business and Public Administration
Bachelor of Science in Information Systems Technology
Public Administration 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			Public Administration Option Courses (28 Units)		28
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			___ PA 315 Government Business Relations		
Area E - Lifelong Understanding		6	___ PA 380 Introduction to Public Administration		
___ 1. The Whole Person: Physical & Physiological Issues			___ PA 462 Public Personnel Administration		
___ 2. The Whole Person: Social & Psychological Issues			(Prereq: PA 380 & upper-division writing)		
___ 3. Physical Education			___ PA 463 Government Budgeting (Prereq: Upper-division writing)		
Area F - Upper-Division Writing Requirement		4	___ PA 472 Administrative Law (Prereq: Upper-division writing)		
___ 1. Expository Writing (MGMT 306)			___ 8 Units Chosen From the Following:		
Area G - Multicultural/Gender Requirement		4	IST 415, 505, 511, or 525 (refer to University catalog for prereq.)		
___ 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					

*** 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 PUBLIC ADMINISTRATION 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"/> PA 315	<input type="checkbox"/> PA 380
<input type="checkbox"/> ADMN 210	<input type="checkbox"/> IST 372	<input type="checkbox"/> IST 475
<input type="checkbox"/> MGMT 306	<input type="checkbox"/> IST 474	<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"/> PA 462	<input type="checkbox"/> PA 463	<input type="checkbox"/> IST 490
<input type="checkbox"/> PA 472	<input type="checkbox"/> IST Elective	<input type="checkbox"/> SCM 515
<input type="checkbox"/> UD GE Capstone	<input type="checkbox"/> Free Elective (if needed)	<input type="checkbox"/> Free Elective (if needed)
<input type="checkbox"/> Free Elective (if needed)		

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)		

College of Business and Public Administration
Bachelor of Science in Information Systems Technology
Intelligence 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			Intelligence Option Courses (28 Units)		28
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			___ IST 415	Security Systems Mgmt (Prereq: IST 215)	
Area E - Lifelong Understanding		6	___ IST 511	Cyber Defense (Prereq: IST 215 or IST 610)	
___ 1. The Whole Person: Physical & Physiological Issues			___ IST 525	Computer Forensics	
___ 2. The Whole Person: Social & Psychological Issues			(Prereq: IST 215 or IST 610 and upper-division writing)		
___ 3. Physical Education			___ PSCI 204	International Relations	
Area F - Upper-Division Writing Requirement		4	___ PSCI 325	American Foreign Policy	
___ 1. Expository Writing (MGMT 306)			___ PSCI 484	National Security Policy	
Area G - Multicultural/Gender Requirement		4	___ PSCI 590	Seminar	
___ 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					

*** 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 INTELLIGENCE 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 415
<input type="checkbox"/> ADMN 210	<input type="checkbox"/> IST 475	<input type="checkbox"/> PSCI 484
<input type="checkbox"/> MGMT 306	<input type="checkbox"/> PSCI 204	<input type="checkbox"/> IST 474
<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 511	<input type="checkbox"/> PSCI 325	<input type="checkbox"/> PSCI 590
<input type="checkbox"/> UD GE Capstone	<input type="checkbox"/> Free Elective (if needed)	<input type="checkbox"/> Free Elective (if needed)
<input type="checkbox"/> Free Elective (if needed)		

College of Business and Public Administration
Bachelor of Science in Information Systems Technology
Computer Information Systems 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			Computer Information Systems 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			___ MKTG 305 Marketing Principles		
___ 3. Physical Education			___ SCM 304 Principles of Supply Chain Management (Prereq: ADMN 210)		
Area F - Upper-Division Writing Requirement		4	___ SCM 305 Enterprise Resource Planning (Prereq: SCM 304)		
___ 1. Expository Writing (MGMT 306)			___ 4 Units Chosen From the Following:		
Area G - Multicultural/Gender Requirement		4	IST 378, 476, 483, 505, 575, 590, or 595D (refer to University catalog for prereq.)		
___ 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					

*** 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 COMPUTER INFORMATION SYSTEMS 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"/> SCM 304
<input type="checkbox"/> ADMN 210	<input type="checkbox"/> ACCT 211	<input type="checkbox"/> ACCT 212
<input type="checkbox"/> MGMT 306	<input type="checkbox"/> IST 474	<input type="checkbox"/> IST 475
<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"/> MKTG 305	<input type="checkbox"/> FIN 313	<input type="checkbox"/> IST 490
<input type="checkbox"/> SCM 515	<input type="checkbox"/> UD GE Capstone	<input type="checkbox"/> Free Elective (if needed)
<input type="checkbox"/> SCM 305	<input type="checkbox"/> Free Elective (if needed)	<input type="checkbox"/> Free Elective (if needed)
<input type="checkbox"/> IST Elective		