

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
<b>Area A - Basic Skills</b>		<b>12</b>	<b>Lower Division Courses</b>		<b>36</b>
___ 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)		
<b>Area B - Natural Sciences</b>		<b>20</b>	___ 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:		
<b>Area C - Humanities</b>		<b>20</b>	___ MATH 110, MATH 120, MATH 192, or MATH 211 (also counts in GE-B1)		
___ 1. Arts			<b>Upper Division Courses</b>		<b>28</b>
___ 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)		
<b>Area D - Social and Behavioral Sciences</b>		<b>20</b>	___ 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			<b>Computer Information Systems Option Courses (28 Units)</b>		<b>28</b>
___ 5. Integrative Capstone (Jr. & Sr. Level Course)			___ ACCT 211 Introductory Accounting I		
<b>Area E - Lifelong Understanding</b>		<b>6</b>	___ 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)		
<b>Area F - Upper-Division Writing Requirement</b>		<b>4</b>	___ SCM 305 Enterprise Resource Planning (Prereq: SCM 304)		
___ 1. Expository Writing (MGMT 306)			___ 4 Units Chosen From the Following:		
<b>Area G - Multicultural/Gender Requirement</b>		<b>4</b>	___ 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		