

**Degree: Bachelor of Science in Information Systems Technology - Cybersecurity Concentration Roadmap**  
**Freshman 4-Year Academic Roadmap**

Year 1: Freshman Year					Year Total				
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
GE C2 Humanities		<input type="checkbox"/>		3	GE B4 Math 1301		<input checked="" type="checkbox"/>	Entry Lvl Math Exam	3
GE E Foundation Seminar		<input type="checkbox"/>		3	GE A3 Critical Thinking		<input type="checkbox"/>		3
GE A1 Oral Comm		<input type="checkbox"/>		3	GE B1 Physical Science		<input type="checkbox"/>		3
GE A2 Written Comm		<input type="checkbox"/>		3	GE B2 Life Science		<input type="checkbox"/>		3
GE D American Government		<input type="checkbox"/>		3	GE B3 Lab Activity		<input type="checkbox"/>		1
		<input type="checkbox"/>			IST 1110 Intro INFO	Fall & Spring	<input type="checkbox"/>		1
		<input type="checkbox"/>			Free Elective		<input type="checkbox"/>		1
<b>Semester Total</b>				15	<b>Semester Total</b>				15

Year 2: Sophomore Year					Year Total				
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
IST 2210 Computer Net and Sec	Fall & Spring	<input checked="" type="checkbox"/>	IST 1110	3	IST 2410 Database Mngmt for Biz	Fall & Spring	<input checked="" type="checkbox"/>	IST 1110	3
IST 2310 Applications Development	Fall & Spring	<input checked="" type="checkbox"/>	IST 1110	3	ADMN 2100 Applied Biz Stat		<input type="checkbox"/>		3
GE D3 ECON 2202 Macro Econ		<input type="checkbox"/>		3	IST 2610 Cybersecurity	Fall & Spring	<input checked="" type="checkbox"/>	IST 1110	3
GE C1 or C2		<input type="checkbox"/>		3	GE D U.S. History		<input type="checkbox"/>		3
MGMT 2300 Legal Env of Org		<input type="checkbox"/>		3	GE C1 Art		<input type="checkbox"/>		3
<b>Semester Total</b>				15	<b>Semester Total</b>				15

Year 3: Junior Year					Year Total				
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
IST 2510 Big Data Analytics	Fall & Spring	<input checked="" type="checkbox"/>	ADMN 2100 Applie	3	IST 4310 Web Technologies		<input checked="" type="checkbox"/>	IST 2310	3
IST 3110 Mgmt of Info Tech	Fall & Spring	<input checked="" type="checkbox"/>	IST 1110	3	JHBC 3000-5000 Elective		<input type="checkbox"/>		3
IST 4210 Adv Comp Net	Fall & Spring	<input checked="" type="checkbox"/>	IST 2210	3	Concentration Elective		<input type="checkbox"/>		3
IST 3420 Sys Anly & Design		<input checked="" type="checkbox"/>	IST 1110	3	IST 4610 Cybersecurity Management		<input checked="" type="checkbox"/>	IST 2610	3
MGMT 3500 Applied Comm		<input type="checkbox"/>		3	GE B5 Upper Div B	Fall & Spring	<input type="checkbox"/>		3
<b>Semester Total</b>				15	<b>Semester Total</b>				15

Year 4: Senior Year					Year Total				
Fall	Term(s)	Pre-req	Pre-req Course(s)	Units	Spring	Term(s)	Pre-req	Pre-req Course(s)	Units
IST 5930 Seminar in IST		<input type="checkbox"/>		3	IST 5250 Incident Handling		<input checked="" type="checkbox"/>	IST 2610	3
IST 4620 Pen Test & EH		<input checked="" type="checkbox"/>	IST 2610	3	Concentration Elective		<input type="checkbox"/>		3
IST 5150 Project Management	Fall & Spring	<input type="checkbox"/>		3	GE C4 Upper Div C		<input type="checkbox"/>		3
Free Elective		<input type="checkbox"/>		3	IST 4910 Ent Sts Admin	Fall & Spring	<input checked="" type="checkbox"/>	IST 4210	3
GE D4 Upper Div D	Fall & Spring	<input type="checkbox"/>		3	Electives *		<input type="checkbox"/>		2
		<input type="checkbox"/>			Free Electives		<input type="checkbox"/>		1
<b>Semester Total</b>				15	<b>Semester Total</b>				15

\*Course may be offered in summer

**Degree Units Total** 120

GE	42	49
Non-GE BS Lower	25	25.5
Non-GE BS Upper	26	25.5
Free electives	6	5
Concentration	18	18
	117	123