

COMPUTER SCIENCE

NAME	I.D.#	Expected Grad Date	B.S. Degree
General Education Requirements		Software Development Concentration	
<u>3</u>	THEO 101 Christian Formation	<u>3</u>	CSIS 250 Programming: Data Structures
<u>3</u>	BLIT 202 Christian Scriptures I	<u>3</u>	CSIS 350 Programming: Object Oriented
<u>3</u>	BLIT 303 Christian Scriptures II	<u>4</u>	CSIS 381 Systems Programming
<u>3</u>	THEO 404 Christian Faith	<u>3</u>	CSIS 450 Programming: Design Challenges
<u>3</u>	ENGL 109 College Writing I	<u>3</u>	CSIS 455 Agile in Practice
<u>3</u>	ENGL 210 College Writing II	<u>3</u>	CSIS 475 Theory of Computation
<u>3</u>	COMM 105 Fundamentals of Communication	<u>3</u>	CSIS 491 Research in Computer Science OR
<u>3</u>	FINA 101 Intro to Fine Arts		CSIS 492 Software Development Project
<u>3</u>	HIST 200 Western Civilization	<u>6</u>	Additional CSIS hours
<u>3</u>	LIT 205 Studies in Literature		
<u>3</u>	Select from: ECON 110, PSCI 101, PSCI 223, PSYC 101, SOCY 120		
<u>0-8</u>	Elementary I, II Foreign Language OR approved International Culture courses		
<u>3-4</u>	BIOL 201 General Biological Science OR approved biological lab science course		
<u>3-5</u>	PHSC 102 General Physical Science OR other lab course from Chemistry, Earth/Space, or Physics		
<u>2-3</u>	PHED 190 Wellness or PHED 126 Nutrition		
<u>1</u>	PHED 191 Applied Fitness		
Major: 49-51 hours		Required Supporting Courses:	
CSIS Core:		<u>3</u>	ENGR 221 Digital Systems
<u>2</u>	CSIS 110 Digital Citizen of the 21 st Century	<u>3-4</u>	MATH 137 Applied Calculus OR
<u>3</u>	CSIS 150 Programming: Control Structures		MATH 147 Calculus I
<u>1</u>	CSIS 204 Career Seminar	<u>4</u>	MATH 241 Statistics
<u>4</u>	CSIS 245 Database Fundamentals	<u>3</u>	MATH 311 Discrete Mathematics
<u>3</u>	CSIS 327 Network Fundamentals	<u>3</u>	BSNS 367 Organizational Behavior OR
<u>3</u>	CSIS 355 Agile Methodologies		ENGL 311 Business Comm. and Technical Writing
<u>1</u>	CSIS 404 Senior Seminar		
<u>3</u>	CSIS 427 Security Fundamentals		
<u>3</u>	CSIS 485 Great Issues in Computing		
Plus Completion of One Concentration:		Technology and Information Concentration	
		<u>3</u>	CSIS 227 System Administration
		<u>3</u>	CSIS 250 Programming: Data Structures
		<u>3</u>	CSIS 260 Shell Programming
		<u>3</u>	CSIS 330 Web Development
		<u>3</u>	CSIS 340 Human Computer Interface
		<u>3</u>	CSIS 445 Big Data
		<u>3</u>	CSIS 455 Agile in Practice
		<u>3</u>	CSIS 494 Internship in Computing
		<u>3</u>	Additional CSIS hours
			Required Supporting Courses:
		<u>3-4</u>	MATH 117 Finite Math OR
			MATH 137 Applied Calculus OR
			MATH 147 Calculus I
		<u>3-4</u>	BSNS 241 Business Statistics OR
			MATH 241 Statistics
		<u>3-4</u>	BSNS 160 Principles of Management OR
			ACCT 110 Financial Accounting
		<u>3</u>	BSNS 403 Management Information Systems
		<u>3</u>	BSNS 480 Enterprise Resource Planning
		<u>3</u>	BSNS 367 Organizational Behavior OR
			ENGL 311 Business Comm. And Technical Writing

A minimum GPA of 2.00 in all CSIS coursework is required for graduation.

****See reverse for additional requirements.**

Cybersecurity Defense Concentration

- 2 CSIS 130 Intro to Cybersecurity Defense
- 3 CSIS 230 ServerOps
- 3 CSIS 260 Shell Programming
- 3 CSIS 332 Linux System Administration
- 3 CSIS 333 Windows Server Management
- 3 CSIS 334 Cyberlaw and Ethics
- 3 CSIS 335 Incident Handling
- 3 CSIS 431 Human Factors in Cybersecurity
- 3 CSIS 432 Ethical Hacking

Required Supporting Course:

- 3-4 MATH 120 Intro to Statistics **OR**
MATH 241 Statistics **OR**
BSNS 241 Business Statistics

Recommended Supporting Courses:

- 3 BSNS 367 Organizational Behavior
- 1-4 CSIS 394 Cybersecurity Co-Op/Internship
- 2 CSIS 496 Cybersecurity/Networking Seminar
- 3 ENGL 311 Business Comm/Tech Writing
- 1 FACS 312 Professional Image & Dress
- 4 MATH 147 Calculus I
- 3 MATH 220 Number Theory & Proof