UNIVERSITY. ONLINE

Bachelor of Science in Information Technology

Data Networking and Security Cognate

2019-2020 Degree Completion Plan

Grade

Important: This degree plan is effective for those starting this degree program in fall 2019 through summer 2020. This degree plan will remain in effect for students who do not break enrollment or who do not change degree programs, concentrations or cognates.

GENERAL EDUCATION/

FOUNDATIONAL SKILLS REQUIREMENTS (39-42 hours)									
Course		Hrs	Sem	Grade	Course		Hrs	Sem	
Communication & Information Literacy (12 hours) ¹				Major Foundational Courses (3-9 hours)					
ENGL 101	Composition & Rhetoric	3			BUSI 201	Intermediate Business Computer Apps. ³	3		
	Communications Elective	3			BUSI 230	Introduction to Probability & Statistics ³	3		
	Information Literacy Elective	3			BUSI 240	Organizational Behavior I ³	3		
	Information Literacy Elective	3							
					MAJOR				
Technological Solutions & Quantitative Reasoning (3-6 hours) ¹				Core (48 hours)					
UNIV 104	Instructional Tech. for Online Learning	0-3			BUSI 390	Business Common Professional Comp.	3		
MATH	Math Elective (MATH 114 or higher)	3			CSIS 100	Intro. to Information Sciences & Systems	3		
					CSIS 110	Introduction to Computing Sciences	3		
Critical Thinking (7 hours) ¹					CSIS 212	Object-Oriented Programming	3		
RLGN 104	Christian Life & Biblical Worldview ²	4			CSIS 310	Web Architecture & Development	3		
	Critical Thinking Elective	3			CSIS 312	Advanced Object-Oriented Programming	3		
					CSIS 320	IS Hardware & Software	3		
Civic & Global Engagement (3 hours) ¹					CSIS 325	Database Management Systems	3		
	Cultural Studies Elective	3			CSIS 330	Business Data Communication Systems	3		
					CSIS 340	Studies in Information Security	3		
Social & Scientific Inquiry (6 hours) ¹					CSIS 352	System Administration	3		
	Natural Science Elective	3			CSIS 354	Integrative Programming & Technologies	3		
	Social Science Elective	3			CSIS 375	Intro. to Human-Computer Interaction	3		
					CSIS 474	Enterprise Systems & Integration	3		
Christianity & Contexts (8 hours) ¹				CSIS 484	Information Technology Capstone	3			
BIBL 104	Survey of Old & New Testament	4			ECON 214	Principles of Macroeconomics	3		
THEO 104	Introduction to Theology Survey ²	4							

	Cognate (15 hours)		
CSIS 331	Networks	3	
CSIS 335	Network Security	3	
CSIS 341	Information Security Planning	3	
CSIS 343	Cybersecurity	3	
CSIS 430	Advanced Networking & Comm. Systems		
or CSIS 499	Internship	3	

FREE ELECTIVES (6-15 hours)⁴

	All applicable prerequisites must be met
Graduation Requirements	¹ Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before
120 Total Hours	enrolling in foundational skills requirements
2.0 Overall grade point average	² Students transferring in 45 or more UG credit hours will have the requirement of RLGN
30 Hours must be upper-level courses (300-400 level)	104 waived; Students transferring in 60 or more UG credit hours will also have the
Grade of 'C' Minimum required for all upper-level courses in the major	requirement of THEO 104 waived
50% Of major and cognate taken through Liberty University	³ Courses may also fulfill select General Education Requirements. Please refer to the list of
30 Hours must be completed through Liberty University	approved general education electives at www.liberty.edu/gened
Grad App Submission of Degree Completion Application must be completed	⁴ Internship (maximum 6 hours) is strongly recommended.
within the last semester of a student's anticipated graduation date	Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester							
BIBL 104	4	BUSI 201		3					
ENGL 101	3	Communications Elective ¹		3					
UNIV 104	0-3	Information Literacy Elective ¹		3					
Social Sciences Elective ¹ [BUSI 240]	3	Math Elective ¹ [BUSI 230]							
CSIS 100	<u>3</u>	CSIS 110		<u>3</u>					
Tota	al 13-16		Total	15					
SOPHOMORE YEAR									
Information Literacy Elective ¹	3	RLGN 104		4					
THEO 104	4	Natural Science Elective ¹		3					
CSIS 212	3	CSIS 310		3					
CSIS 320	3	CSIS 312		3					
Elective	<u>3</u>	CSIS 330		<u>3</u>					
Tota	al 16		Total	16					
	JUNIOR YEAR								
Critical Thinking Elective ¹	3	Cultural Studies Elective ¹		3					
CSIS 325	3	CSIS 335		3					
CSIS 331	3	CSIS 354		3					
CSIS 340	3	CSIS 375		3					
CSIS 352	<u>3</u>	Elective		<u>3</u>					
Tota	al 15		Total	15					
SENIOR YEAR									
CSIS 341	3	BUSI 390		3					
CSIS 343	3	CSIS 430 <u>or</u> 499		3					
CSIS 474	3	CSIS 484		3					
ECON 214	3	Elective		<u>3</u>					
Elective	<u>3</u>		Total	12					
Tota	al 15								

Notes ¹Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements