LIBERTY UNIVERSITY

Bachelor of Science in Information Technology

Data Networking and Security Cognate

2022-2023 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2022 through summer 2023. 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/

FOUNDAT	IONAL SKILLS REQUIREMENTS	(44-47 hours)						
Course		Hrs Sem C	Grade	Course		Hrs	Sem	Grade
Communica	ation & Information Literacy (13 hou	rs) ¹		Major Foun	dational Courses (3-9 hours)			
ENGL 101	Composition & Rhetoric	3		BUSI 201	Intermediate Business Computer Apps. ⁴	3		
INQR 101	Inquiry 101	1		BUSI 230	Introduction to Probability & Statistics ⁴	3		
	Communications Elective	3		BUSI 240	Organizational Behavior I ⁴	3		
	Information Literacy Elective	3						
	Information Literacy Elective	3		MAJOR				
					Core (48 hours)			
Technological Solutions & Quantitative Reasoning (4-7 hours) ¹			BUSI 390	Business Common Professional Comp.	3			
UNIV 101	Foundational Skills	1		CSIS 100	Intro. to Information Sciences & Systems	3		
MATH	Math Elective (MATH 114 or higher)	3		CSIS 110	Introduction to Computer Science	3		
	Technology Competency ²	0-3		CSIS 212	Object-Oriented Programming	3		
				CSIS 310	Web Architecture & Development	3		
Critical Thi	nking (8 hours) ¹			CSIS 312	Advanced Object-Oriented Programming	3		
RLGN 105	Intr Bwvw/Contemp Moral Issues ³	2		CSIS 320	IS Hardware & Software	3		
RSCH 201	Research 201	3		CSIS 325	Database Management Systems	3		
	Critical Thinking Elective	3		CSIS 330	Business Data Communication Systems	3		
				CSIS 340	Studies in Information Security	3		
Civic & Global Engagement (5 hours) ¹				CSIS 352	System Administration	3		
EVAN 101	Evangelism & Christian Life ³	2		CSIS 354	Integrative Programming & Technologies	3		
	Cultural Studies Elective	3		CSIS 375	Intro. to Human-Computer Interaction	3		
				CSIS 474	Enterprise Systems & Integration	3		
Social & Scientific Inquiry (6 hours) ¹			CSIS 484	Information Technology Capstone	3			
	Natural Science Elective	3		ECON 214	Principles of Macroeconomics	3		
	Social Science Elective	3			-			
					Cognate (15 hours)			
Christianity & Contexts (8 hours) ¹			CSIS 331	Networks	3			
BIBL 105	Old Testament Survey	2		CSIS 335	Network Security	3		
BIBL 110	New Testament Survey	2		CSIS 341	Information Security Planning	3		
THEO 201	Theology Survey I ³	2		CSIS 343	Cybersecurity	3		
THEO 202	Theology Survey II ³	2		CSIS 430	Advanced Networking & Comm. Systems		_	
			_	or CSIS 499	Internship	3		

FREE ELECTIVES (1-10 hours)5

	A
Graduation Requirements	
120 Total Hours	2
2.0 Overall grade point average	1
30 Hours must be upper-level courses (300-400 level)	3
Grade of 'C' Minimum required for all upper-level courses in the major	
25% Of major and cognate taken through Liberty University	1
30 Hours must be completed through Liberty University	4
Grad App Submission of Degree Completion Application must be completed	2
within the last semester of a student's anticipated graduation date	5]
CSER All requirements must be satisfied before a degree will be awarded	S

Notes All appli

All applicable prerequisites must be met ¹Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements

²All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

³Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 & EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 & THEO 202 waived

⁴Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <u>www.liberty.edu/gened</u>

⁵Internship (maximum 6 hours) is strongly recommended

Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester	
BIBL 105	2	BIBL 110	2
ENGL 101	3	RLGN 105	2
INQR 101	1	Communication Elective	3
UNIV 101	1	Information Literacy Elective ¹	3
Social Science Elective ¹ [BUSI 240]	3	Math Elective ¹ [BUSI 230]	3
Technology Competency ²	0-3	CSIS 110	3
CSIS 100	3	CSER	<u>0</u>
CSER	<u>0</u>		Total 16
	Total 13-16		

SOPHOMORE YEAR

THEO 201	2	EVAN 101	2
Critical Thinking Elective	3	RSCH 201	3
Information Literacy Elective ¹	3	THEO 202	2
BUSI 201	3	Cultural Studies Elective ¹	3
ECON 214	3	CSIS 212	3
CSER	<u>0</u>	CSIS 330	3
	Total 14	CSER	<u>0</u>
			Total 16

JUNIOR YEAR

CSIS 310	3	CSIS 335	3
CSIS 312	3	CSIS 340	3
CSIS 320	3	CSIS 341	3
CSIS 325	3	CSIS 352	3
CSIS 331	3	CSIS 354	3
CSER	<u>0</u>	CSER	<u>0</u>
	Total 15		Total 15

SENIOR YEAR

BUSI 390	3	CSIS 375	3
CSIS 343	3	CSIS 430 or 499	3
CSIS 474	3	CSIS 484	3
Elective	3	Elective	3
Elective	1	Elective	3
CSER	<u>0</u>	CSER	<u>0</u>
	Total 13		Total 15

Notes ¹Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements ²All students must pass the Computer Assessment OR complete applicable INFT course; refer to <u>www.liberty.edu/computerassessment</u> for more information