# LIBERTY UNIVERSITY

# **Bachelor of Science in Information Technology**

Data Networking and Security Cognate

2021-2022 Degree Completion Plan

**Important**: This degree plan is effective for those starting this degree program in fall 2021 through summer 2022. 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	Grade	Course		Hrs	Sem	Grade
Communica	ation & Information Literacy (13 hou	rs) <sup>1</sup>		Major Foun	dational Courses (3-9 hours)			
ENGL 101	Composition & Rhetoric	3		BUSI 201	Intermediate Business Computer Apps. <sup>4</sup>	3		
INQR 101	Inquiry 101	1		BUSI 230	Introduction to Probability & Statistics <sup>4</sup>	3		
	Communications Elective	3		BUSI 240	Organizational Behavior I <sup>4</sup>	3		
	Information Literacy Elective	3						
	Information Literacy Elective	3		MAJOR				
					Core (48 hours)			
Technological Solutions & Quantitative Reasoning (4-7 hours) <sup>1</sup>			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 Computing Sciences	3		
	Technology Competency <sup>2</sup>	0-3		CSIS 212	Object-Oriented Programming	3		
				CSIS 310	Web Architecture & Development	3		
<b>Critical Thi</b>	nking (8 hours) <sup>1</sup>			CSIS 312	Advanced Object-Oriented Programming	3		
RLGN 105	Intr Bwvw/Contemp Moral Issues <sup>3</sup>	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 & Glo	bal Engagement (5 hours) <sup>1</sup>			CSIS 352	System Administration	3		
EVAN 101	Evangelism & Christian Life <sup>3</sup>	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) <sup>1</sup>			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) <sup>1</sup>			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 <sup>3</sup>	2		CSIS 343	Cybersecurity	3		
THEO 202	Theology Survey II <sup>3</sup>	2		<b>CSIS</b> 430	Advanced Networking & Comm. Systems			
				or CSIS 499	Internship	3		

# FREE ELECTIVES (1-10 hours)<sup>5</sup>

All applicable prerequisites must be met

Notes

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

<sup>1</sup>Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements <sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to <u>www.liberty.edu/computerassessment</u> for more information <sup>3</sup>Students 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 <sup>4</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> <sup>5</sup>Internship (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 <sup>1</sup>		3
Social Science Elective <sup>1</sup> [BUSI 240	)] 3	Math Elective <sup>1</sup> [BUSI 230]		3
Technology Competency <sup>2</sup>	0-3	CSIS 110		3
CSIS 100	3	CSER		0
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 <sup>1</sup>	3	THEO 202	2
BUSI 201	3	Cultural Studies Elective <sup>1</sup>	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 <sup>1</sup>Refer to the list of approved general education electives at <u>www.liberty.edu/gened</u> before enrolling in foundational skills requirements <sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to <u>www.liberty.edu/computerassessment</u> for more information