# LIBERTY UNIVERSITY

# **Bachelor of Science in Information Technology**

Data Networking and Security Cognate

2018-2019 Degree Completion Plan

**Important**: This degree plan is effective for those starting this degree program in fall 2018 through summer 2019. 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/

CORE CON	<b>MPETENCY REQUIREMENTS (44-</b>	47 hou	irs)						
Course		Hrs	Sem	Grade	Course		Hrs	Sem	Grade
Communication (6 hours) <sup>1</sup>					Major Foundational Courses (3-9 hours) <sup>4</sup>				
ENGL 101	Composition & Rhetoric	3			BUSI 201	Intermediate Business Computer Apps.	3		
	Communications Elective	3			BUSI 230	Introduction to Probability & Statistics	3		
					BUSI 240	Organizational Behavior I	3		
Math, Scien	ce & Technology (7-10 hours) <sup>1</sup>								
MATH	Math Elective (MATH 114 or higher)	3			MAJOR				
	Natural Science Elective	3				Core (48 hours)			
	Technology Competency <sup>2</sup>	0-3			BUSI 390	Business Common Professional Comp.	3		
UNIV 101	University Core Competencies	1			CSIS 100	Intro. to Information Sciences & Systems	3		
					CSIS 110	Introduction to Computing Sciences	3		
Information	Literacy (7 hours) <sup>1</sup>				CSIS 212	Object-Oriented Programming	3		
INQR 101	Inquiry 101	1			CSIS 310	Web Architecture & Development	3		
	Composition Elective	3			CSIS 312	Advanced Object-Oriented Programming	3		
	Information Literacy Elective	3			CSIS 320	IS Hardware & Software	3		
					CSIS 325	Database Management Systems	3		
Critical Thinking (12 hours) <sup>1</sup>					CSIS 330	Business Data Communication Systems	3		
RSCH 201	Research 201	3			CSIS 340	Studies in Information Security	3		
	Literature OR Philosophy Elective	3			CSIS 352	System Administration	3		
	Social Science Elective	3			CSIS 354	Integrative Programming & Technologies	3		
	Cultural Studies Elective	3			CSIS 375	Intro. to Human-Computer Interaction	3		
					CSIS 474	Enterprise Systems & Integration	3		
Christian Life & Thought (12 hours) <sup>1,3</sup>					CSIS 484	Information Technology Capstone	3		
BIBL 105	Old Testament Survey	2			ECON 214	Principles of Macroeconomics	3		
BIBL 110	New Testament Survey	2							
EVAN 101	Evangelism & Christian Life	2				Cognate (15 hours)			
RLGN 105	Intr Bwvw/Contemp Moral Issues	2			CSIS 331	Networks	3	. <u> </u>	
THEO 201	Theology Survey I	2			CSIS 335	Network Security	3		
THEO 202	Theology Survey II	2			CSIS 341	Information Security Planning	3		
					CSIS 343	Cybersecurity	3		
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#### FREE ELECTIVES (1-10 hours)<sup>5</sup>

All applicable prerequisites must be met

Internship

**CSIS 430** 

Notes

or CSIS 499

Graduation Requ	irements
1	Total Hours
2.0	Overall grade point average
3(	Hours must be upper-level courses (300-400 level)
Grade of 'C	'Minimum required for all upper-level courses in the major
50%	Of major and cognate taken through Liberty University
30	Hours must be completed through Liberty University
Grad App	Submission of Graduation 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 core competency 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>Major Foundational Courses can also fulfill General Education/Core Competency requirements as applicable
<sup>5</sup>Internship (maximum 6 hours) is strongly recommended
*Suggested Course Sequence on second page*

Advanced Networking & Comm. Systems

3

# SUGGESTED COURSE SEQUENCE

#### FRESHMAN YEAR

First Semester		Second Semester	
BIBL 105	2	BIBL 110	2
ENGL 101	3	EVAN 101	2
INQR 101	1	Communication Elective	3
RLGN 105	2	Composition Elective	3
UNIV 101	1	Math Elective <sup>1</sup> [BUSI 230]	3
Social Science Elective <sup>1</sup> [BUSI 240]	3	CSIS 110	3
CSIS 100	3	CSER	<u>0</u>
CSER	<u>0</u>		Total 16
	Total 15		

## SOPHOMORE YEAR

THEO 201	2	RSCH 201	3
Cultural Studies Elective <sup>1</sup>	3	THEO 202	2
Information Literacy Elective <sup>1</sup>	3	Literature/Philosophy Elective	3
BUSI 201	3	Technology Competency <sup>2</sup>	0-3
ECON 214	3	CSIS 212	3
CSER	<u>0</u>	CSIS 330	3
	Total 14	CSER	<u>0</u>
			Total 14-17

### 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 core competency 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