

# **Bachelor of Science in Information Systems**

Database Cognate

2020-2021 Degree Completion Plan

# ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2020 through summer 2021. 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/

Course	ONAL SKILLS REQUIREMENTS	Hrs	Sem	L Grade	Course		Hrs	Sem	Grad
<del></del>						SCIII	Giac		
Communication & Information Literacy (12 hours) <sup>1</sup>					Major Foundational Courses (3-9 hours)				
ENGL 101	Composition & Rhetoric	3			BUSI 201	Intermediate Business Computer Apps. <sup>3</sup>	3		
	Communications Elective	3			BUSI 230	Introduction to Probability & Statistics <sup>3</sup>	3		
	Information Literacy Elective	3			BUSI 240	Organizational Behavior I <sup>3</sup>	3		
	Information Literacy Elective	3							
				_	<b>MAJOR</b>				
Technological Solutions & Quantitative Reasoning (3-6 hours) <sup>1</sup>						Core (48 hours)			
UNIV 104	Instructional Tech. for Online Learning	0-3			ACCT 211	Financial Accounting	3		
MATH	Math Elective (MATH 114 or higher)	3			ACCT 212	Managerial Accounting	3		
					BUSI 301	Business Law	3		
Critical Thinking (7 hours) <sup>1</sup>				BUSI 310	Principles of Management	3			
RLGN 104	Christian Life & Biblical Worldview <sup>2</sup>	4			CSIS 100	Intro. to Information Sciences & Systems	3		
	Critical Thinking Elective	3			CSIS 110	Introduction to Computing Sciences	3		
					CSIS 208	Application Programming	3		
Civic & Global Engagement (3 hours) <sup>1</sup>					CSIS 310	Web Architecture & Development	3		
	Cultural Studies Elective	3			CSIS 320	IS Hardware & Software	3		
					CSIS 325	Database Management Systems	3		
Social & Scientific Inquiry (6 hours) <sup>1</sup>			CSIS 330	Business Data Communication Systems	3				
	Natural Science Elective	3			CSIS 340	Studies in Information Security	3		
	Social Science Elective	3			CSIS 351	System Analysis & Design	3		
					CSIS 473	IS Project Management	3		
Christianity & Contexts (8 hours) <sup>1</sup>			CSIS 483	Information Systems Capstone	3		-		
BIBL 104	Survey of Old & New Testament	4			ECON 214	Principles of Macroeconomics	3		
THEO 104	Introduction to Theology Survey <sup>2</sup>	4				1			
	introduction to Theorogy Survey	•				Cognate (12 hours)			
					CSIS 212	Object-Oriented Programming	3		
					CSIS 327	Introduction to Oracle	3		
					CSIS 328	Advanced Oracle	3		
					CSIS 410	Web Enterprise Technologies	3		
					or CSIS 499	Internship	3		
					<u>or</u> CSIS 499	mernsnip	3		
					FREE ELEC	FREE ELECTIVES (9-18 hours) <sup>4</sup>			
							-		

#### **Graduation Requirements**

120 Total Hours

2.0 Overall grade point average

**30** 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

#### Notes

All applicable prerequisites must be met

<sup>1</sup>Refer to the list of approved general education electives at <a href="www.liberty.edu/gened">www.liberty.edu/gened</a> before enrolling in foundational skills requirements

<sup>2</sup>Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

<sup>3</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <a href="www.liberty.edu/gened">www.liberty.edu/gened</a>

<sup>4</sup>Internship (maximum 6 hours) is strongly recommended.

Suggested Course Sequence on second page

Revised: 05.14.2020 Effective: Catalog Term 2020-40

# SUGGESTED COURSE SEQUENCE

### FRESHMAN YEAR

First Semester			Second Semester										
BIBL 104		4	BUSI 201		3								
ENGL 101		3	Communications Elective <sup>1</sup>		3								
UNIV 104		0-3	Information Literacy Elective <sup>1</sup>		3								
Social Sciences Elective <sup>1</sup> [BUSI 240]		3	Math Elective <sup>1</sup> [BUSI 230]		3								
CSIS 100		<u>3</u>	CSIS 110		<u>3</u>								
Tot	al	13-16		Total	15								
SOPHOMORE YEAR													
Information Literacy Elective <sup>1</sup>		3	RLGN 104		4								
THEO 104		4	Critical Thinking Elective <sup>1</sup>		3								
ACCT 211		3	ACCT 212		3								
CSIS 330		3	CSIS 208		3								
Elective		<u>3</u>	CSIS 340		<u>3</u>								
Tot	al	16		Total	16								
JUNIOR YEAR													
Cultural Studies Elective <sup>1</sup>		3	Natural Science Elective <sup>1</sup>		3								
CSIS 212		3	CSIS 320		3								
CSIS 310		3	CSIS 327		3								
CSIS 325		3	CSIS 351		3								
Elective		<u>3</u>	ECON 214		<u>3</u>								
Tot	al	15		Total	15								
SENIOR YEAR													
BUSI 310		3	BUSI 301		3								
CSIS 328		3	CSIS 483		3								
CSIS 410 <u>or</u> 499		3	Elective		3								
CSIS 473		3	Elective		3								
Elective		<u>3</u>	Elective <sup>2</sup>		<u>3</u>								
Tot	al	15		Total	15								

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Notes

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

²Internship (maximum 6 hours) is strongly recommended