## UNIVERSITY. ONLINE

## **Bachelor of Science in Information Technology**

Web and Mobile Programming Cognate

2024-2025 Degree Completion Plan

**Important**: This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. 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/ EQUIDATIONAL SET LS DEQUIDEMENTS (30.42 hours)

	IONAL SKILLS REQUIREMENTS (				Comme		11	C	C I.
Course		Hrs	Sem	Grade	Course		Hrs	Sem	Grade
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 & Management <sup>3</sup>	3		
	Information Literacy Elective	3							
					MAJOR				
Technologic	al Solutions & Quantitative Reasonin	g (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 Computer Science	3		
Critical Thinking (7 hours) <sup>1</sup>			CSIS 212	Object-Oriented Programming	3				
RLGN 104	Christian Life & Biblical Worldview <sup>2</sup>	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) <sup>1</sup>				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) <sup>1</sup>			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) <sup>1</sup>				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 <sup>2</sup>	4				-			
						Cognate (9 hours)			

	Cognate (9 hours)	
CSIS 315	Client-Side Programming	3
CSIS 316	Server-Side Programming	3
CSIS 408	Web & Mobile Programming	3

## FREE ELECTIVES (12-21 hours)<sup>4</sup>

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# 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 <u>www.liberty.edu/gened</u> 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 <u>www.liberty.edu/gened</u> <sup>4</sup>Internship (maximum 6 hours) is strongly recommended. *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 <sup>1</sup>		3
UNIV 104	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	3	CSIS 110		3
Tota	ıl 13-16			15
SO	РНОМОР	RE YEAR		
Information Literacy Elective <sup>1</sup> [BUSI 201]	] 3	RLGN 104		4
THEO 104	4	Natural Science Elective <sup>1</sup>		3
CSIS 212	3	CSIS 310		3
CSIS 320	3	CSIS 312		3
Elective	<u>3</u>	CSIS 330		<u>3</u>
Tota	ıl 16		Total	16
	JUNIOR	YEAR		
Critical Thinking Elective <sup>1</sup>	3	Cultural Studies Elective <sup>1</sup>		3
CSIS 315	3	CSIS 316		3
CSIS 325	3	CSIS 354		3
CSIS 340	3	CSIS 375		3
CSIS 352	<u>3</u>	Elective		<u>3</u>
Tota	ıl 15		Total	15
	SENIOR	YEAR		
CSIS 408	3	BUSI 390		3

CSIS 408	3	BUSI 390	3
CSIS 474	3	CSIS 484	3
ECON 214	3	Elective	3
Elective	3	Elective	<u>3</u>
Elective	<u>3</u>		Total 12
	Total 15		

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