

Bachelor of Science in Information Technology

Application and Database Development 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/

FOUNDATI	ONAL SKILLS REQUIREMENTS	(39-42	2 hours	<u>s)</u>					
Course		<u>Hrs</u>	Sem	Grade	Course		<u>Hrs</u>	Sem	Grade
Communication & Information Literacy (12 hours) ¹					Major Foundational Courses (3-9 hours)				
ENGL 101	Composition & Rhetoric	3			BUSI 201	Intermediate Business Computer Apps. ³	3		
	Communications Elective	3			BUSI 230	Introduction to Probability & Statistics ³	3		
	Information Literacy Elective	3			BUSI 240	Organizational Behavior I ³	3		
	Information Literacy Elective	3							
					MAJOR				
Technological Solutions & Quantitative Reasoning (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) ¹			CSIS 212	Object-Oriented Programming	3				
RLGN 104	Christian Life & Biblical Worldview ²	4			CSIS 310	Web Programming	3		
	Critical Thinking Elective	3			CSIS 312	Advanced Object-Oriented Programming	3		
					CSIS 320	IS Hardware & Software	3		
Civic & Global Engagement (3 hours) ¹					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) ¹				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) ¹				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 ²	4							
						Cognate (12 hours)			
					CSIS 209	C# Programming	3		
					CSIS 332	Database Programming	3		
					CSIS 333	Advanced Database Programming	3		
					CSIS 410	Web Enterprise Technologies			
					<u>or</u> CSIS 499	Internship	3		
					FREE ELEC	CTIVES (9-18 hours) ⁴			
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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

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

²Students 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

³Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened

⁴Internship (maximum 6 hours) is strongly recommended

Suggested Course Sequence on second page

Revised: 06.23.2022 Effective: Catalog Term 2022-40

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester											
BIBL 104	- 4	BUSI 201		3									
ENGL 101	3	Communications Elective ¹		3									
UNIV 104	0-3	Information Literacy Elective ¹		3									
Social Sciences Elective ¹ [BUSI 240]	3	Math Elective ¹ [BUSI 230]		3									
CSIS 100	<u>3</u>	CSIS 110		<u>3</u>									
Tota	1 13-16		Total	15									
SOPHOMORE YEAR													
Information Literacy Elective ¹	3	RLGN 104		4									
THEO 104	4	Natural Science Elective ¹		3									
CSIS 212	3	CSIS 310		3									
CSIS 320	3	CSIS 312		3									
Elective	<u>3</u>	CSIS 330		3									
Tota	l 16		Total	16									
JUNIOR YEAR													
Critical Thinking Elective ¹	3	Cultural Studies Elective ¹		3									
CSIS 209	3	CSIS 332		3									
CSIS 325	3	CSIS 354		3									
CSIS 352	3	CSIS 375		3									
CSIS 340	<u>3</u>	Elective		<u>3</u>									
Tota	1 15		Total	15									
SENIOR YEAR													
CSIS 333	3	BUSI 390		3									
CSIS 410 <u>or</u> 499	3	CSIS 484		3									
CSIS 474	3	Elective		3									
ECON 214	3	Elective		<u>3</u>									
Elective	<u>3</u>		Total	12									
Tota	1 15												

 $\label{limits} \textbf{Notes} \\ {}^{1}\text{Refer to the list of approved general education electives at } \\ \underline{\text{www.liberty.edu/gened}} \\ \text{ before enrolling in foundational skills requirements} \\$

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