

Bachelor of Science in Informatics

Healthcare Informatics Cognate

2020-2021 Degree Completion Plan

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/

MATH Math Elective (MATH 114 or higher) 3 BUSI 390 Busi. Common Professional Component 3 Technology Competency² 0-3 CSIS 100 Intro. to Info. Sciences & Systems 3 CSIS 208 Application Programming 3 Selection Programming 3 CSIS 208 Application Programming 3 CSIS 208 Application Programming 3 CSIS 310 Web Architecture & Development 3 Selection Elective 3 CSIS 320 IS Hardware & Software 3 CSIS 320 IS Hardware & Software 3 CSIS 320 Business Data Communication Systems 3 CSIS 330 Business Data Communication Systems 3 CSIS 340 Studies in Information Security 3 CSIS 340 Studies in Information Security 3 CSIS 340 Studies in Information Security 3 CSIS 351 System Analysis & Design 3 CSIS 351 System Analysis & Design 3 CSIS 351 Intro. to Human-Computer Interactions 3 CUltural Studies Elective 3 ECON 214 Principles of Macroeconomics 3 Social & Scientific Inquiry (6 hours)¹ INFO 305 Quality Mgmt. & Decision Support 3 Natural Science Elective 3 Nurs 105 Medical Terminology 1 Social Science Elective 3 Nurs 105 Medical Terminology 1 Social Science Elective 3 Nurs 105 Foundations of Pharmacology 3 Cognate (12 hours)	Sem G	<u>Hrs</u>		Course	Sem Grade	<u>Hrs</u>		Course	
INQR 101			dational Courses (3-9 hours)	Major Foun		$rs)^1$	tion & Information Literacy (13 hou	Communica	
Communications Elective		3	Intermediate Business Computer Apps.4	BUSI 201		3	Composition & Rhetoric	ENGL 101	
Information Literacy Elective 3		3	Introduction to Probability & Statistics ⁴	BUSI 230		1	Inquiry 101	INQR 101	
Information Literacy Elective 3		3	Organizational Behavior I ⁴	BUSI 240		3	Communications Elective		
Core (46 hours) Core (46 hours)						3	Information Literacy Elective		
Technological Solutions & Quantitative Reasoning (4-7 hours)\(^1\) ACCT 211 Financial Accounting 3				MAJOR		3	Information Literacy Elective		
UNIV 101			Core (46 hours)						
UNIV 101		3	Financial Accounting	ACCT 211	hours) ¹	ng (4-7	al Solutions & Quantitative Reasonin	Technologica	
Technology Competency2		3	Principles of Human Biology	BIOL 102		_			
Critical Thinking (8 hours) ¹ RLGN 105 Intr Bwvw/Contemp Moral Issues ³ RSCH 201 Research 201 3 CSIS 320 IS Hardware & Software 3 Critical Thinking Elective 3 CSIS 320 Business Data Communication Systems 3 Critical Thinking Elective 3 CSIS 340 Studies in Information Security 3 CSIS 340 Studies in Information Security 3 CSIS 351 System Analysis & Design 3 EVAN 101 Evangelism & Christian Life ³ 2 CSIS 375 Intro. to Human-Computer Interactions 3 Cultural Studies Elective 3 ECON 214 Principles of Macroeconomics 3 INFO 305 Quality Mgmt. & Decision Support 3 Social & Scientific Inquiry (6 hours) ¹ INFO 405 Informatics Information Systems 3 Natural Science Elective 3 NURS 105 Medical Terminology 1 Social Science Elective 3 INFO 310 Foundations of Pharmacology 3 BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 THEO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Busi. Common Professional Component	BUSI 390		3	Math Elective (MATH 114 or higher)	MATH	
Critical Thinking (8 hours)¹ RLGN 105 Intr Bwww/Contemp Moral Issues³ RSCH 201 Research 201 3 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 CSIS 340 Studies in Information Security 3 CSIS 351 System Analysis & Design 3 EVAN 101 Evangelism & Christian Life³ 2 CSIS 375 Intro. to Human-Computer Interactions 3 Cultural Studies Elective 3 ECON 214 Principles of Macroeconomics 3 INFO 305 Quality Mgmt. & Decision Support 3 Social & Scientific Inquiry (6 hours)¹ INFO 405 Informatics Information Systems 3 Natural Science Elective 3 NURS 105 Medical Terminology 1 Social Social Science Elective 3 NURS 105 Medical Terminology 1 Christianity & Contexts (8 hours)¹ INFO 310 Foundations of Pharmacology 3 BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 THEO 201 Theology Survey I³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Intro. to Info. Sciences & Systems	CSIS 100		0-3	Technology Competency ²		
RLGN 105 Intr Bwvw/Contemp Moral Issues³ 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 CSIS 340 Studies in Information Security 3 CSIS 351 System Analysis & Design 3 EVAN 101 Evangelism & Christian Life³ 2 CSIS 375 Intro. to Human-Computer Interactions 3 Cultural Studies Elective 3 ECON 214 Principles of Macroeconomics 3 INFO 305 Quality Mgmt. & Decision Support 3 INFO 405 Informatics Information Systems 3 Natural Science Elective 3 NURS 105 Medical Terminology 1 Social Science Elective 3 Social Science Elective 3 INFO 310 Foundations of Pharmacology 3 BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 THEO 201 Theology Survey I³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Application Programming	CSIS 208					
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Critical Thinking Elective Critical Thinking Elective CSIS 340 Studies in Information Security Stystem Analysis & Design CSIS 351 EVAN 101 Evangelism & Christian Life³ Cultural Studies Elective Cultural Studies Elective Coultural Science Elective Natural Science Elective Natural Science Elective Christianity & Contexts (8 hours)¹ Social Stystem Analysis & Design ECON 214 Principles of Macroeconomics INFO 305 Quality Mgmt. & Decision Support INFO 405 Informatics Information Systems NURS 105 Medical Terminology INFO 310 Cognate (12 hours) Cognate (12 hours) Christianity & Contexts (8 hours)¹ INFO 320 Healthcare Informatics BIBL 110 New Testament Survey INFO 321 Healthcare Coding & Classification THEO 201 Theology Survey I³ INFO 410 Healthcare Enterprise Systems		3	IS Hardware & Software	CSIS 320		2	Intr Bwvw/Contemp Moral Issues ³	RLGN 105	
Civic & Global Engagement (5 hours) ¹ EVAN 101 Evangelism & Christian Life ³ Cultural Studies Elective Cocial & Scientific Inquiry (6 hours) ¹ Natural Science Elective Nocial Science Elect		3	Database Management Systems	CSIS 325		3	Research 201	RSCH 201	
Civic & Global Engagement (5 hours) ¹ EVAN 101 Evangelism & Christian Life ³ Cultural Studies Elective Cosits 351 NURS 105 Medical Terminology Info 310 Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Foundations of Pharmacology Cultural Studies Elective Cognate (12 hours) Foundations of Ph		3	Business Data Communication Systems	CSIS 330		3	Critical Thinking Elective		
EVAN 101 Evangelism & Christian Life³ 2		3	Studies in Information Security	CSIS 340					
EVAN 101 Evangelism & Christian Life³ 2		3	System Analysis & Design	CSIS 351			bal Engagement (5 hours) ¹	Civic & Glol	
Social & Scientific Inquiry (6 hours) ¹ Natural Science Elective Social Science Elective INFO 310 Engage (12 hours) Foundations of Pharmacology Medical Terminology INFO 310 Foundations of Pharmacology INFO 320 Healthcare Informatics BIBL 110 New Testament Survey New Testament Survey New Testament Survey INFO 321 Healthcare Coding & Classification THEO 201 Theology Survey I ³ INFO 410 Healthcare Enterprise Systems		3	Intro. to Human-Computer Interactions	CSIS 375		2			
Social & Scientific Inquiry (6 hours) ¹ Natural Science Elective Social Science Elective Social Science Elective NURS 105 Cognate (12 hours) Elective NIFO 310 INFO 310 Foundations of Pharmacology INFO 320 Healthcare Informatics BIBL 110 New Testament Survey New Testament Survey New Testament Survey INFO 321 Healthcare Coding & Classification THEO 201 Theology Survey I ³ INFO 405 Informatics Informatics NURS 105 Medical Terminology 1 Cognate (12 hours) Foundations of Pharmacology 3 INFO 320 Healthcare Informatics 3 THEO 405 INFO 320 Healthcare Enterprise Systems 3		3	Principles of Macroeconomics	ECON 214		3	Cultural Studies Elective		
Natural Science Elective 3 NURS 105 Medical Terminology 1 Social Science Elective 3 Cognate (12 hours) Christianity & Contexts (8 hours) ¹ INFO 310 Foundations of Pharmacology 3 BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 THEO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Quality Mgmt. & Decision Support	INFO 305					
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Christianity & Contexts (8 hours) ¹ BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 THEO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems		1	Medical Terminology	NURS 105		3	Natural Science Elective		
Christianity & Contexts (8 hours) ¹ BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 INFO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems 3						3	Social Science Elective		
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BIBL 105 Old Testament Survey 2 INFO 320 Healthcare Informatics 3 BIBL 110 New Testament Survey 2 INFO 321 Healthcare Coding & Classification 3 THEO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Foundations of Pharmacology	INFO 310			& Contexts (8 hours) ¹	Christianity	
THEO 201 Theology Survey I ³ 2 INFO 410 Healthcare Enterprise Systems 3		3	Healthcare Informatics	INFO 320		2			
		3	Healthcare Coding & Classification	INFO 321		2	New Testament Survey	BIBL 110	
		3	Healthcare Enterprise Systems	INFO 410		2	Theology Survey I ³	THEO 201	
						2		THEO 202	
FREE ELECTIVES (6-15 hours) ⁵			CTIVES (6-15 hours) ⁵						

Graduation Requirements

120 Total Hours

 $\mathbf{2.0}$ 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

CSER All requirements must be satisfied before a degree will be awarded

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

All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

³Students 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

⁴Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened

⁵Internship (maximum 6 hours) is strongly recommended

Suggested Course Sequence on second page

Revised: 06.02.2020 Effective: Catalog Term 2020-40

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester		
BIBL 105	2	BIBL 110		2
ENGL 101	3	RLGN 105		2
INQR 101	1	Information Literacy Elective ¹		3
UNIV 101	1	Math Elective ¹ [BUSI 230]		3
Communication Elective ¹	3	Social Science Elective ¹ [BUSI 240]		3
Technology Technology ²	0-3	CSIS 100		3
BIOL 102	3	NURS 105		1
CSER	<u>0</u>	CSER		0
	Total 13-16		Total	17
	SOPHOMOR	RE YEAR		
THEO 201	2	RSCH 201		3
BUSI 201	3	THEO 202		2
Cultural Studies Elective ¹	3	Critical Thinking Elective		3
Information Literacy Elective ¹	3	CSIS 340		3
Natural Science Elective ¹	3	ECON 214		3
ACCT 211	3	CSER		0
CSER	<u>0</u>		Total	14
	Total 17			
	JUNIOR Y	YEAR		
EVAN 101	2	CSIS 310		3
CSIS 208	3	CSIS 325		3
CSIS 320	3	CSIS 330		3
INFO 305	3	INFO 320		3
INFO 310	3	Elective		3
CSER	<u>0</u>	CSER		0
	Total 14		Total	15
	SENIOR Y	YEAR		
BUSI 390	3	CSIS 351		3
INFO 321	3	CSIS 375		3
INFO 405	3	INFO 410		3
Elective	3	Elective		3
Elective	3	Elective		3
CSER	<u>0</u>	CSER		<u>0</u>
	Total 15		Total	15

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Notes

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2 All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment