

INFORMATICS (B.S.) - HEALTHCARE INFORMATICS – ONLINE

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/Foundational Skills Requirements

Code	Title	Hours
Communication & Information Literacy ¹		
ENGL 101	Composition and Rhetoric	3
	Communications Elective	3
	Information Literacy Elective	3
	Information Literacy Elective	3
Technological Solutions & Quantitative Reasoning ¹		
UNIV 104	Instructional Technology for Successful Online Learning	0-3
	Math Elective MATH 114 or higher	3
Critical Thinking ¹		
RLGN 104	Christian Life and Biblical Worldview ²	4
	Critical Thinking Elective	3
Civic & Global Engagement ¹		
	Cultural Studies Elective	3
Social & Scientific Inquiry ¹		
	Natural Science Elective	3
	Social Science Elective	3
Christianity & Contexts ¹		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey ²	4
Total Hours		39-42

¹ Refer to the list of approved general education electives before enrolling in foundational skill requirements

² 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

Major Requirements

Code	Title	Hours
Major Foundational Courses		
BUSI 201	Intermediate Business Computer Applications ¹	3
BUSI 230	Introduction to Probability and Statistics ¹	3
BUSI 240	Organizational Behavior & Management ¹	3
Total Hours		9

¹ Course may fulfill select general education requirements.

Code	Title	Hours
Major Core		
ACCT 211	Financial Principles	3
BUSI 390	Business Common Professional Components	3
CSIS 100	Introduction to Information Sciences and Systems	3
CSIS 208	Application Programming	3
CSIS 310	Web Programming	3
CSIS 320	IS Hardware and Software	3
CSIS 325	Database Management Systems	3
CSIS 330	Business Data Communication Systems	3
CSIS 340	Studies in Information Security	3
CSIS 351	System Analysis and Design	3
CSIS 375	Introduction to Human-Computer Interaction	3
ECON 214	Principles of Macroeconomics	3
HLTH 221	Applied Human Anatomy and Physiology I	3
INFO 305	Quality Management and Decision Support	3
INFO 405	Informatics Information Systems	3
NURS 105	Medical Terminology	1
Total Hours		46

Code	Title	Hours
Cognate		
INFO 310	Foundations of Pharmacology	3
INFO 320	Healthcare Informatics	3
INFO 321	Healthcare Coding and Classification	3
INFO 410	Healthcare Enterprise Systems	3
Total Hours		12

Code	Title	Hours
Free Electives		
	Choose 11-20 credit hours of Free Electives ¹	11-20
Total Hours		11-20

¹ Internship (maximum 6 hours) is strongly recommended

All applicable prerequisites must be met

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

Course Sequence

Course	Title	Hours
First Year		
First Semester		
BIBL 104	Survey of Old and New Testament	4
ENGL 101	Composition and Rhetoric	3

Course	Title	Hours
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Communications Elective ¹		3
CSIS 100	Introduction to Information Systems and Information Technology	3
Hours		13-16
Second Semester		
BUSI 201	Intermediate Business Computer Applications	3
THEO 104	Introduction to Theology Survey	4
Information Literacy Elective ¹		3
Math Elective (BUSI 230) ¹		3
Natural Science Elective ¹		3
Hours		16
Second Year		
First Semester		
Information Literacy Elective ¹		3
ACCT 211	Financial Principles	3
HLTH 221	Applied Human Anatomy and Physiology I	3
INFO 305	Quality Management and Decision Support	3
NURS 105	Medical Terminology	1
Elective		3
Hours		16
Second Semester		
RLGN 104	Christian Life and Biblical Worldview	4
Critical Thinking Elective ¹		3
Social Science Elective (BUSI 240) ¹		3
CSIS 208	Application Programming	3
INFO 310	Foundations of Pharmacology	3
Hours		16
Third Year		
First Semester		
CSIS 320	IS Hardware and Software	3
CSIS 325	Database Management Systems	3
CSIS 330	Business Data Communication Systems	3
INFO 320	Healthcare Informatics	3
Elective		3
Hours		15
Second Semester		
Cultural Studies Elective ¹		3
CSIS 351	System Analysis and Design	3
ECON 214	Principles of Macroeconomics	3
INFO 321	Healthcare Coding and Classification	3
Elective		3
Hours		15
Fourth Year		
First Semester		
BUSI 390	Business Common Professional Components	3
CSIS 340	Studies in Information Security	3
INFO 405	Informatics Information Systems	3
Elective		3

Course	Title	Hours
Elective		2
Hours		14
Second Semester		
CSIS 310	Web Programming	3
CSIS 375	Introduction to Human-Computer Interaction	3
INFO 410	Healthcare Enterprise Systems	3
Elective		3
Elective		3
Hours		15
Total Hours		120-123

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