

INFORMATION SYSTEMS (B.S.) - DATA NETWORKING - ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. 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 and Management ¹	3
Total Hours		9

¹ Course may fulfill select general education requirements

Code	Title	Hours
Major Core		
ACCT 211	Financial Principles	3
ACCT 212	Managerial Principles	3
BUSI 301	Legal and Ethical Concepts for Decision Makers	3
BUSI 310	Principles of Management	3
CSIS 100	Introduction to Information Sciences and Systems	3
CSIS 110	Introduction to Computer Science	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 473	IS Project Management	3
CSIS 483	Information Systems Capstone	3
ECON 214	Principles of Macroeconomics	3

Total Hours 48

Code	Title	Hours
Cognate		
CSIS 331	Networks	3
CSIS 335	Network Security	3
CSIS 430	Advanced Networking and Communication Systems	3
CSIS 341	Information Security Planning	3
or CSIS 499	Internship	

Total Hours 12

Code	Title	Hours
Free Electives		
	Choose 9-18 credit hours of Free Electives ¹	9-18
Total Hours		9-18

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
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Social Science Elective (BUSI 240) ¹		3
CSIS 100	Introduction to Information Systems and Information Technology	3
Hours		13-16
Second Semester		
BUSI 201	Intermediate Business Computer Applications	3
Communications Elective ¹		3
Information Literacy Elective ¹		3
Math Elective (BUSI 230) ¹		3
CSIS 110	Introduction to Computer Science	3
Hours		15
Second Year		
First Semester		
Information Literacy Elective ¹		3
THEO 104	Introduction to Theology Survey	4
ACCT 211	Financial Principles	3
CSIS 330	Business Data Communication Systems	3
Elective		3
Hours		16
Second Semester		
RLGN 104	Christian Life and Biblical Worldview	4
Critical Thinking Elective ¹		3
ACCT 212	Managerial Principles	3
CSIS 208	Application Programming	3
CSIS 340	Studies in Information Security	3
Hours		16
Third Year		
First Semester		
Cultural Studies Elective ¹		3
CSIS 310	Web Programming	3
CSIS 325	Database Management Systems	3
CSIS 331	Networks	3
Elective		3
Hours		15
Second Semester		
Natural Science Elective ¹		3
CSIS 320	IS Hardware and Software	3
CSIS 335	Network Security	3
CSIS 351	System Analysis and Design	3
ECON 214	Principles of Macroeconomics	3
Hours		15

Course	Title	Hours
Fourth Year		
First Semester		
BUSI 310	Principles of Management	3
CSIS 341 or CSIS 499	Information Security Planning or Internship	3
CSIS 430	Advanced Networking and Communication Systems	3
CSIS 473	IS Project Management	3
Elective		3
Hours		15
Second Semester		
BUSI 301	Legal and Ethical Concepts for Decision Makers	3
CSIS 483	Information Systems Capstone	3
Elective ²		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

² Internship (maximum 6 hours) is strongly recommended