

INFORMATION TECHNOLOGY (B.S.) - WEB & MOBILE PROGRAMMING - 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 Courses		
BUSI 390	Business Common Professional Components	3
CSIS 100	Introduction to Information Sciences and Systems	3
CSIS 110	Introduction to Computer Science	3
CSIS 212	Object-Oriented Programming	3
CSIS 310	Web Programming	3
CSIS 312	Advanced Object- Oriented 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 352	System Administration	3
CSIS 354	Integrative Programming and Technologies	3
CSIS 375	Introduction to Human-Computer Interaction	3
CSIS 474	Enterprise Systems and Integration	3
CSIS 484	Information Technology Capstone	3
ECON 214	Principles of Macroeconomics	3

Total Hours **48**

Code	Title	Hours
Web and Mobile Programming Cognate		
CSIS 315	Front-end Programming	3
CSIS 316	Back-end Programming	3
CSIS 408	DevSecOps and Mobile Programming	3

Total Hours **9**

Code	Title	Hours
Free Electives		
	Choose 12-21 credit hours of Free Electives ¹	12-21
Total Hours		12-21

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

Freshman Year		Hours
First Semester		
	Social Science Elective (BUSI 240) ¹	3
BIBL 104	Survey of Old and New Testament	4
CSIS 100	Introduction to Information Sciences and Systems	3

ENGL 101	Composition and Rhetoric	3
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Hours		13-16

Second Semester

Communications Elective ¹		3
Information Literacy Elective ¹		3
Math Elective (BUSI 230) ¹		3
BUSI 201	Intermediate Business Computer Applications	3
CSIS 110	Introduction to Computer Science	3
Hours		15

Sophomore Year**First Semester**

Information Literacy Elective (BUSI 201) ¹		3
CSIS 212	Object-Oriented Programming	3
CSIS 320	IS Hardware and Software	3
THEO 104	Introduction to Theology Survey	4
Elective		3
Hours		16

Second Semester

Natural Science Elective ¹		3
CSIS 310	Web Programming	3
CSIS 312	Advanced Object- Oriented Programming	3
CSIS 330	Business Data Communication Systems	3
RLGN 104	Christian Life and Biblical Worldview	4
Hours		16

Junior Year**First Semester**

Critical Thinking Elective ¹		3
CSIS 315	Front-end Programming	3
CSIS 325	Database Management Systems	3
CSIS 340	Studies in Information Security	3
CSIS 352	System Administration	3
Hours		15

Second Semester

Cultural Studies Elective ¹		3
CSIS 316	Back-end Programming	3
CSIS 354	Integrative Programming and Technologies	3
CSIS 375	Introduction to Human-Computer Interaction	3
Elective		3
Hours		15

Senior Year**First Semester**

CSIS 408	DevSecOps and Mobile Programming	3
CSIS 474	Enterprise Systems and Integration	3
ECON 214	Principles of Macroeconomics	3
Elective		3
Elective		3
Hours		15

Second Semester

BUSI 390	Business Common Professional Components	3
CSIS 484	Information Technology Capstone	3
Elective		3
Elective		3
Elective		3
Hours		15
Total Hours		120-123

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