

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 (39-42 hours)

Course		Hrs	Sem	Grade
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Communication & Information Literacy (12 hours)¹				
ENGL 101	Composition & Rhetoric	3	_____	_____
_____	Communications Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____

Technological Solutions & Quantitative Reasoning (3-6 hours)¹				
UNIV 104	Instructional Tech. for Online Learning	0-3	_____	_____
MATH _____	Math Elective (MATH 114 or higher)	3	_____	_____

Critical Thinking (7 hours)¹				
RLGN 104	Christian Life & Biblical Worldview ²	4	_____	_____
_____	Critical Thinking Elective	3	_____	_____

Civic & Global Engagement (3 hours)¹				
_____	Cultural Studies Elective	3	_____	_____

Social & Scientific Inquiry (6 hours)¹				
_____	Natural Science Elective	3	_____	_____
_____	Social Science Elective	3	_____	_____

Christianity & Contexts (8 hours)¹				
BIBL 104	Survey of Old & New Testament	4	_____	_____
THEO 104	Introduction to Theology Survey ²	4	_____	_____

Major Foundational Courses (0-7 hours)				
CSIS 110	Introduction to Computer Science ³	3	_____	_____
MATH 131	Calculus & Analytic Geometry I ³	4	_____	_____

MAJOR

Core (40 hours)				
MATH 132	Calculus & Analytic Geometry II	4	_____	_____
MATH 211	Introduction to Statistical Analysis	3	_____	_____
MATH 250	Introduction to Discrete Mathematics	3	_____	_____
MATH 345	Intro. to the History of Mathematics	3	_____	_____
MATH 410	Matrix & Linear Algebra	3	_____	_____
MATH 423	Abstract Algebraic Structures	3	_____	_____
MATH 430	Multivariable Calculus	3	_____	_____
MATH 432	Applied Differential Equations	3	_____	_____
MATH 441	Probability I	3	_____	_____
MATH 460	Mathematical Modeling & Simulation	3	_____	_____
MATH 491	Computational Mathematics Capstone	3	_____	_____
STAT 420	Regression & Forecasting I	3	_____	_____
_____	_____	4	_____	_____

Cognate (15 hours)				
CSIS 100	Intro. to Information Sciences & Systems	3	_____	_____
CSIS 111	Introduction to Programming	3	_____	_____
CSIS 112	Advanced Programming	3	_____	_____
CSIS 215	Algorithms & Data Structures	3	_____	_____
CSIS 340	Studies in Information Security	3	_____	_____

FREE ELECTIVES (16-26 hours)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

<p>Graduation Requirements</p> <p>120 Total Hours</p> <p>2.0 Overall grade point average</p> <p>30 Hours must be upper-level courses (300-400 level)</p> <p>Grade of 'C' Minimum required for all major foundational courses and all upper-level courses in the major</p> <p>25% Of major taken through Liberty University</p> <p>30 Hours must be completed through Liberty University</p> <p>Grad App Submission of Degree Completion Application must be completed within the last semester of a student's anticipated graduation date</p>

<p>Notes</p> <p><i>All applicable prerequisites must be met</i></p> <p>¹Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements</p> <p>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</p> <p>³Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened</p> <p>⁴Choose any MATH, PHYS, or STAT course not already applying to the degree</p> <p><i>Suggested Course Sequence on second page</i></p>
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SUGGESTED COURSE SEQUENCE

FIRST YEAR

First Semester		Second Semester	
BIBL 104	4	RLGN 104	4
ENGL 101	3	Critical Thinking Elective ¹	3
UNIV 104	0-3	Information Literacy Elective ¹ [CSIS 110]	3
Communications Elective ¹	3	MATH 132	4
Math Elective ¹ [MATH 131]	<u>4</u>	MATH 250	<u>3</u>
	Total 14-17		Total 17

SECOND YEAR

Information Literacy Elective ¹	3	THEO 104	4
Natural Science Elective ¹	3	Cultural Studies Elective ¹	3
CSIS 100	3	Social Science Elective ¹	3
MATH 211	3	CSIS 111	3
MATH 430	<u>3</u>	Elective	<u>3</u>
	Total 15		Total 16

THIRD YEAR

CSIS 112	3	CSIS 215	3
MATH 410	3	MATH 345	3
STAT 420	3	MATH 423	3
Elective	3	Core Elective ²	3
Elective	<u>3</u>	Elective	<u>3</u>
	Total 15		Total 15

FOURTH YEAR

CSIS 340	3	MATH 460	3
MATH 432	3	MATH 491	3
MATH 441	3	Elective	3
Elective	3	Elective	3
Elective	<u>1</u>	Elective	<u>3</u>
	Total 13		Total 15

Notes

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

²Choose any MATH, PHYS, or STAT course not already applying to the degree