

**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
<b>Communication &amp; Information Literacy (12 hours)<sup>1</sup></b>				
ENGL 101	Composition & Rhetoric	3	_____	_____
_____	Communications Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____

**Technological Solutions & Quantitative Reasoning (3-6 hours)<sup>1</sup>**

UNIV 104	Instructional Tech. for Online Learning	0-3	_____	_____
MATH _____	Math Elective (MATH 114 or higher)	3	_____	_____

**Critical Thinking (7 hours)<sup>1</sup>**

RLGN 104	Christian Life & Biblical Worldview <sup>2</sup>	4	_____	_____
_____	Critical Thinking Elective	3	_____	_____

**Civic & Global Engagement (3 hours)<sup>1</sup>**

_____	Cultural Studies Elective	3	_____	_____
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**Social & Scientific Inquiry (6 hours)<sup>1</sup>**

_____	Natural Science Elective	3	_____	_____
_____	Social Science Elective	3	_____	_____

**Christianity & Contexts (8 hours)<sup>1</sup>**

BIBL 104	Survey of Old & New Testament	4	_____	_____
THEO 104	Introduction to Theology Survey <sup>2</sup>	4	_____	_____

Course		Hrs	Sem	Grade
<b>Major Foundational Courses (3-10 hours)</b>				
CSIS 110	Introduction to Computer Science <sup>3</sup>	3	_____	_____
CSIS 111	Introduction to Programming Using C++ <sup>3</sup>	3	_____	_____
MATH 131	Calculus & Analytic Geometry I <sup>3</sup>	4	_____	_____

**MAJOR**

Course		Hrs	Sem	Grade
<b>Core (40 hours)</b>				
MATH 132	Calculus & Analytic Geometry II	4	_____	_____
MATH 410	Matrix & Linear Algebra	3	_____	_____
MATH 430	Multivariable Calculus	3	_____	_____
MATH 460	Mathematical Modeling and Simulation	3	_____	_____
STAT 200	Introduction to Statistical Computing	3	_____	_____
STAT 211	Introduction to Statistical Analysis	3	_____	_____
STAT 300	Introduction to Experimental Design	3	_____	_____
STAT 412	Advanced Statistical Methods	3	_____	_____
STAT 420	Regression & Forecasting I	3	_____	_____
STAT 421	Regression & Forecasting II	3	_____	_____
STAT 441	Probability	3	_____	_____
STAT 445	Exploratory Data Analysis	3	_____	_____
STAT 491	Capstone: Case Studies in Data Science	3	_____	_____

**FREE ELECTIVES (28-38 hours)**

_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____
_____	_____	-	_____	_____

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

Notes
<i>All applicable prerequisites must be met</i>
<sup>1</sup> Refer to the list of approved general education electives at <a href="http://www.liberty.edu/gened">www.liberty.edu/gened</a> before enrolling in foundational skills requirements
<sup>2</sup> 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
<sup>3</sup> Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at <a href="http://www.liberty.edu/gened">www.liberty.edu/gened</a>
<i>Suggested Course Sequence on second page</i>

## SUGGESTED COURSE SEQUENCE

### FIRST YEAR

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

### SECOND YEAR

CSIS 111	3	THEO 104	4
Critical Thinking Elective <sup>1</sup>	3	Cultural Studies Elective <sup>1</sup>	3
MATH 430	3	Natural Science Elective <sup>1</sup>	3
STAT 211	3	STAT 200	3
Elective	<u>3</u>	Elective	<u>3</u>
	Total 15		Total 16

### THIRD YEAR

MATH 410	3	MATH 460	3
STAT 300	3	STAT 412	3
STAT 420	3	STAT 421	3
Elective	3	Elective	3
Elective	<u>3</u>	Elective	<u>3</u>
	Total 15		Total 15

### FOURTH YEAR

STAT 441	3	STAT 491	3
STAT 445	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	<u>1</u>	Elective	<u>3</u>
	Total 13		Total 15

#### Notes

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