

Important: This degree plan is effective for those starting this degree program in fall 2021 through summer 2022. 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
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)

Course		Hrs	Sem	Grade
CSIS 110	Introduction to Computing Sciences ³	3	_____	_____
MATH 131	Calculus & Analytic Geometry I ³	4	_____	_____

MAJOR

Core (40 hours)				
INDS 400	Knowledge Synth. For Prof. & Pers. Dev. ⁴	3	_____	_____
MATH 132	Calculus & Analytic Geometry II	4	_____	_____
MATH 211	Introduction to Statistical Analysis	3	_____	_____
MATH 250	Introduction to Discrete 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	_____	_____
_____	Natural Science Elective ^{5,6}	-	_____	_____
_____	Natural Science Elective ^{5,6}	-	_____	_____
_____	Natural Science Elective ^{5,6}	-	_____	_____

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)⁷

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

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 major foundational courses and all upper-level courses in the major
25%	Of major 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

Notes	
<i>All applicable prerequisites must be met</i>	
¹ Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills 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	
³ Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened	
⁴ INDS 400 should be taken in the final semester.	
⁵ Choose a 200-400 level BIOL, CHEM, PHSC, or PHYS course not already required in the degree: a minimum of 9 hours total required ⁶	
⁶ Important: The Natural Science Electives required in the Major <u>must be chosen from the same discipline</u> (BIOL, CHEM, PHSC, or PHYS)	
⁷ May need up to 6 hours of 300-400 level electives to fulfill upper-level requirement; this is dependent upon courses chosen for the Natural Science Electives. Student should contact academic advisor for more information	
<i>Suggested Course Sequence on second page</i>	

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	Social Science Elective ¹	3
Math Elective ¹ [MATH 131]	<u>4</u>	MATH 132	<u>4</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	CSIS 111	3
MATH 211	3	MATH 250	3
Elective	<u>3</u>	Natural Science Elective ²	<u>3</u>
	Total 15		Total 16

THIRD YEAR

CSIS 112	3	CSIS 215	3
MATH 410	3	MATH 423	3
Natural Science Elective ²	3	MATH 430	3
Elective ⁴	3	Natural Science Elective ²	3
Elective	<u>3</u>	Elective ⁴	<u>3</u>
	Total 15		Total 15

FOURTH YEAR

CSIS 340	3	INDS 400	3
MATH 432	3	MATH 460	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 a 200-400 level BIOL, CHEM, PHSC, or PHYS course not already required in the degree³

³**Important:** The Natural Science Electives required in the Major must be chosen from the same discipline (BIOL, CHEM, PHSC, or PHYS)

⁴May need up to 6 hours of 300-400 level electives to fulfill upper-level requirement; this is dependent upon courses chosen for the Natural Science Electives. Student should contact academic advisor for more information