Important: This degree plan is effective for those starting this degree program in fall 2022 through summer 2023. 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		

Course		Hrs	Sem	Grade
Major Foundational Courses (0-11 hours)				
ENGL 103	Tech. Communication for the Professions[3]	3		
MATH 131	Calculus & Analytic Geometry I[3]	4		
PHYS 231	University Physics I[3]	4		
MAJOR	Core (42 hours)			
MATH 132	Calculus & Analytic Geometry II	4		
MATH 410	Matrix & Linear Algebra	3		
MATH 430	Multivariable Calculus	3		
MATH 432	Applied Differential Equations	3		
PHYS 232	University Physics II	4		
PHYS 305	Introduction to Modern Physics	3		
PHYS 310	Numerical Methods in Physics	3		
PHYS 321	Mechanics	3		
PHYS 331	Electricity & Magnetism	3		
PHYS 432	Thermodynamics & Statistical Mechanics	3		
PHYS 433	Quantum Physics	3		
PHYS 440	Wave Optics	4		
PHYS 491	Physics Capstone	3		

FREE ELECTIVES (25-39 hours)

		Hrs	Sem	Grade

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

All applicable prerequisites must be met

[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

Suggested Course Sequence on second page

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] [ENGL 103]	3
Communications Elective[1]	3	Social Science Elective[1]	3
Math Elective[1] [MATH 131]	4	MATH 132	4
	Total 14-17		Total 17

SECOND YEAR

Information Literacy Elective[1]	3	THEO 104	4
Natural Science Elective[1] [PHYS 231]	4	Cultural Studies Elective[1]	3
MATH 430	3	PHYS 232	4
Elective	3	Elective	3
Elective	3	Elective	1
	Total 16		Total 15

THIRD YEAR

MATH 410	3	PHYS 310	3
MATH 432	3	PHYS 321	3
PHYS 305	3	PHYS 331	3
Elective	3	Elective	3
Elective	3	Elective	3
	Total 15		Total 15

FOURTH YEAR

PHYS 432	3	PHYS 491	3
PHYS 433	3	Elective	3
PHYS 440	4	Elective	3
Elective	3	Elective	3
	Total 13	Elective	3
			Total 15

Notes

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