

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
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)

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

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
- ¹Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements
- 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
- ³Courses 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]	<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 [PHYS 231]	4	Cultural Studies Elective ¹	3
MATH 430	3	PHYS 232	4
Elective	3	Elective	3
Elective	<u>3</u>	Elective	<u>1</u>
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	<u>3</u>	Elective	<u>3</u>
Total	15	Total	15

FOURTH YEAR

PHYS 432	3	PHYS 491	3
PHYS 433	3	Elective	3
PHYS 440	4	Elective	3
Elective	<u>3</u>	Elective	3
Total	13	Elective	<u>3</u>
		Total	15

Notes

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