

Important: This degree plan is effective for those starting this degree program in fall 2023 through summer 2024. 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 (41-44 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 (4-7 hours)¹

UNIV 104	Instructional Tech. for Online Learning	0-3	_____
MATH _____	Math Elective (MATH 114 or higher)	4	_____

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	_____
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Social & Scientific Inquiry (7 hours)¹

_____	Natural Science Elective	4	_____
_____	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 (4-21 hours)			
CSIS 111	Introduction to Programming ³	3	_____
ECON 110	Survey of Economics ³	3	_____
ENGR 270	Technical Communication ³	3	_____
MATH 131	Calculus & Analytical Geometry I ^{3,4}	4	_____
MATH 132	Calculus & Analytical Geometry II ^{3,4}	4	_____
PHYS 231	University Physics I ^{3,4}	4	_____

MAJOR

Course	Hrs	Sem	Grade
Core (67 hours)			
ACCT 209	Survey of Accounting & Finance	3	_____
BUSI 240	Organizational Behavior & Management	3	_____
BUSI 310	Principles of Management	3	_____
CHEM 115	Essentials of General Chemistry	4	_____
ENGE 205	Electrical Systems	3	_____
ENGI 220	Engineering Economy	3	_____
ENGI 230	Production Systems	3	_____
ENGI 307	Data Analysis & Machine Learning	3	_____
ENGI 310	Operations & Research Logistics	3	_____
ENGI 330	Facilities Design	3	_____
ENGI 371	Six Sigma, Lean & Kaizen	3	_____
ENGI 428	CNC & Program Logic Chips	3	_____
ENGI 450	Human Factors & Ergonomics	3	_____
ENGI 461	Engineering Technology Capstone I	3	_____
ENGI 462	Engineering Technology Capstone II	3	_____
ENGR 105	Introduction to Engineering I	2	_____
ENGR 115	Introduction to Engineering II	2	_____
ENGR 210	Probability & Statistics Methods for Eng.	3	_____
ENGR 235	Statics	3	_____
ENGR 370	Quality Assurance	3	_____
ENGV 205	Computer Aided Design	1	_____
ENGV 380	Project & Construction Management	3	_____
MATH 128	Elementary Functions & Coordinate Geo.	4	_____

FREE ELECTIVES (0-8 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 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

⁴Minimum grade of 'C' required

Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
ENGL 101	3	MATH 131	4
UNIV 104	0-3	RLGN 104	4
Social Sciences Elective ¹ [ECON 110]	3	Cultural Studies Elective ¹	3
ENGR 105	2	Information Literature Elect ¹ [CSIS 111]	3
ENGR 115	2	ENGV 205	<u>1</u>
MATH 128	<u>4</u>	Total	15
Total	14-17		

SOPHOMORE YEAR

Math Elective ¹ [MATH 132]	4	Natural Science Elective ¹ [PHYS 231]	4
ACCT 209	3	BUSI 310	3
CHEM 115	4	ENGE 205	3
ENGI 220	3	ENGR 210	3
ENGI 230	<u>3</u>	ENGR 235	<u>3</u>
Total	17	Total	16

JUNIOR YEAR

BIBL 104	4	Communications Elective ¹ [ENGR 270]	3
Information Literature Elective ¹	3	ENGI 371	3
BUSI 240	3	ENGV 380	3
ENGI 330	3	Elective	3
ENGR 370	<u>3</u>	Elective	<u>2</u>
Total	16	Total	14

SENIOR YEAR

Critical Thinking Elective ¹	3	THEO 104	4
ENGI 307	3	ENGI 450	3
ENGI 310	3	ENGI 461 ²	3
ENGI 428	<u>3</u>	ENGI 462 ²	3
Total	12	Elective	<u>3</u>
		Total	16

Notes

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

²ENGI 461 is a prerequisite for ENGI 462. ENGI 461 should be taken in the B Term of the final semester, while ENGI 462 should be taken in the D Term of the final semester.