

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 (44-47 hours)

Course	Hrs	Sem	Grade
Communication & Information Literacy (13 hours)¹			
ENGL 101	Composition & Rhetoric	3	_____
INQR 101	Inquiry 101	1	_____
_____	Communications Elective	3	_____
_____	Information Literacy Elective	3	_____
_____	Information Literacy Elective	3	_____
Technological Solutions & Quantitative Reasoning (4-7 hours)¹			
UNIV 101	Foundational Skills	1	_____
MATH ____	Math Elective (MATH 114 or higher)	3	_____
_____	Technology Competency ²	0-3	_____
Critical Thinking (8 hours)¹			
RLGN 105	Intr Bwww/Contemp Moral Issues ³	2	_____
RSCH 201	Research 201	3	_____
_____	Critical Thinking Elective	3	_____
Civic & Global Engagement (5 hours)¹			
EVAN 101	Evangelism & Christian Life ³	2	_____
_____	Cultural Studies Elective	3	_____
Social & Scientific Inquiry (6 hours)¹			
_____	Natural Science Elective	3	_____
_____	Social Science Elective	3	_____
Christianity & Contexts (8 hours)¹			
BIBL 105	Old Testament Survey	2	_____
BIBL 110	New Testament Survey	2	_____
THEO 201	Theology Survey I ³	2	_____
THEO 202	Theology Survey II ³	2	_____

Course	Hrs	Sem	Grade
Major Foundational Courses (19-27 hours)			
BIOL 224	General Biology I ⁴	4	_____
CHEM 131	Advanced General Chemistry I ⁴	3	_____
CHEM 132	Advanced General Chemistry II ⁴	3	_____
CHEM 135	Advanced General Chemistry I Lab ⁴	1	_____
CHEM 136	Advanced General Chemistry II Lab ⁴	1	_____
MATH 126	Elementary Calculus for Business & Sci ⁴		_____
or MATH 131	Calculus & Analytic Geometry I ^{4,5}	3-4	_____
MATH 201	Introduction to Probability & Statistics ⁴		_____
or MATH 211	Introduction to Statistical Analysis ^{4,5}	3	_____
PHYS 201	General Physics I ⁴		_____
or PHYS 231	University Physics I ^{4,5}	4	_____
PHYS 202	General Physics II ⁴		_____
or PHYS 232	University Physics II ^{4,5}	4	_____

MAJOR

Course	Hrs	Sem	Grade
Core (47-48 hours)			
BCHM 451	Biochemistry I	4	_____
BCHM 452	Biochemistry II		_____
or CHEM 497	Special Topics in Chemistry	4	_____
CHEM 301	Organic Chemistry I	4	_____
CHEM 302	Organic Chemistry II	4	_____
CHEM 321	Analytical Chemistry	4	_____
CHEM 322	Instrumental Analysis	4	_____
CHEM 400	Chemistry Seminar	1	_____
CHEM 461	Physical Chemistry I	3	_____
CHEM 462	Physical Chemistry II	3	_____
CHEM 465	Physical Chemistry I Lab	1	_____
CHEM 466	Physical Chemistry II Lab	1	_____
CHEM 471	Inorganic Chemistry	4	_____
CHEM 497	Special Topics in Chemistry	3-4	_____
CRST 290	History of Life		_____
or CRST 390	Origins	3	_____
MATH 132	Calculus & Analytic Geometry II	4	_____

FREE ELECTIVES (0-10 hours)

Course	Hrs	Sem	Grade
_____	_____	_____	_____
_____	_____	_____	_____

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

²All students must pass the Computer Assessment OR complete applicable INFT course;

refer to www.liberty.edu/computerassessment for more information

³Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 and EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived

⁴Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened

⁵MATH 131, 211, PHYS 231 and 232 are strongly recommended

Suggested Course Sequence on second page

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 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

CSER All requirements must be satisfied before a degree will be awarded

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

<u>First Semester</u>		<u>Second Semester</u>	
CHEM 131	3	CHEM 132	3
CHEM 135	1	CHEM 136	1
ENGL 101	3	EVAN 101	2
INQR 101	1	RLGN 105	2
MATH 126 <u>or</u> 131 ²	3-4	Information Literacy Elective ¹	3
UNIV 101	1	Technology Competency ³	0-3
Natural Science Elective ¹ [BIOL 224]	4	MATH 132	4
CSER	<u>0</u>	CSER	<u>0</u>
Total	16-17	Total	15-18

SOPHOMORE YEAR

BIBL 105	2	BIBL 110	2
PHYS 201 <u>or</u> 231 ²	4	PHYS 202 <u>or</u> 232 ²	4
RSCH 201	3	Communications Elective ¹	3
MATH Elective ¹ [MATH 201 <u>or</u> 211 ²]	3	Critical Thinking Elective ¹	3
CHEM 301	4	CHEM 302	4
CSER	<u>0</u>	CSER	<u>0</u>
Total	16	Total	16

JUNIOR YEAR

THEO 201	2	THEO 202	2
Information Literacy Elective ¹	3	CHEM 322 ⁴	4
CHEM 321	4	CHEM 462 ⁴	3
CHEM 461 ⁴	3	CHEM 466 ⁴	1
CHEM 465 ⁴	1	CHEM 497	3-4
CSER	<u>0</u>	CSER	<u>0</u>
Total	13	Total	13-14

SENIOR YEAR

Cultural Studies Elective ¹	3	Social Sciences Elective ¹	3
BCHM 451	4	BCHM 452 <u>or</u> CHEM 497	4
CRST 290 <u>or</u> CRST 390	3	CHEM 400	1
Elective	3	CHEM 471 ⁴	4
Elective	3	Elective	3
CSER	<u>0</u>	CSER	<u>0</u>
Total	16	Total	15

Notes

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

²MATH 131, 211, PHYS 231 and 232 are strongly recommended

³All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information

⁴CHEM 461/465 and CHEM 462/466 will be offered each year, dependent on sufficient student enrollment. CHEM 322 will be offered in alternating spring semesters with CHEM 471. Students should take whichever course is offered in their Junior year and take the other course the following year.