

**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 (44-47 hours)

Course		Hrs	Sem	Grade
<b>Communication &amp; Information Literacy (13 hours)<sup>1</sup></b>				
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)<sup>1</sup>

UNIV 101	Foundational Skills	1	_____	_____
MATH _____	Math Elective (MATH 114 or higher)	3	_____	_____
_____	Technology Competency <sup>2</sup>	0-3	_____	_____

#### Critical Thinking (8 hours)<sup>1</sup>

RLGN 105	Intr Bwww/Contemp Moral Issues <sup>3</sup>	2	_____	_____
RSCH 201	Research 201	3	_____	_____
_____	Critical Thinking Elective	3	_____	_____

#### Civic & Global Engagement (5 hours)<sup>1</sup>

EVAN 101	Evangelism & Christian Life <sup>3</sup>	2	_____	_____
_____	Cultural Studies Elective	3	_____	_____

#### Social & Scientific Inquiry (6 hours)<sup>1</sup>

_____	Natural Science Elective	3	_____	_____
_____	Social Science Elective	3	_____	_____

#### Christianity & Contexts (8 hours)<sup>1</sup>

BIBL 105	Old Testament Survey	2	_____	_____
BIBL 110	New Testament Survey	2	_____	_____
THEO 201	Theology Survey I <sup>3</sup>	2	_____	_____
THEO 202	Theology Survey II <sup>3</sup>	2	_____	_____

#### 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

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

#### MAJOR

##### 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)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

#### Notes

All applicable prerequisites must be met

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skills requirements

<sup>2</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to [www.liberty.edu/computerassessment](http://www.liberty.edu/computerassessment) for more information

<sup>3</sup>Students 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

<sup>4</sup>Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened)

<sup>5</sup>MATH 131, 211, PHYS 231 and 232 are strongly recommended

*Suggested Course Sequence on second page*

## SUGGESTED COURSE SEQUENCE

### FRESHMAN YEAR

First Semester		Second Semester	
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 <sup>2</sup>	3-4	Information Literacy Elective <sup>1</sup>	3
UNIV 101	1	Technology Competency <sup>3</sup>	0-3
Natural Science Elective <sup>1</sup> [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 <sup>2</sup>	4	PHYS 202 <u>or</u> 232 <sup>2</sup>	4
RSCH 201	3	Communications Elective <sup>1</sup>	3
MATH Elective <sup>1</sup> [MATH 201 <u>or</u> 211 <sup>2</sup> ]	3	Critical Thinking Elective <sup>1</sup>	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 <sup>1</sup>	3	CHEM 322 <sup>4</sup>	4
CHEM 321	4	CHEM 462 <sup>4</sup>	3
CHEM 461 <sup>4</sup>	3	CHEM 466 <sup>4</sup>	1
CHEM 465 <sup>4</sup>	1	CHEM 497	3-4
CSER	<u>0</u>	CSER	<u>0</u>
Total	13	Total	13-14

### SENIOR YEAR

Cultural Studies Elective <sup>1</sup>	3	Social Sciences Elective <sup>1</sup>	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 <sup>4</sup>	4
Elective	3	Elective	3
CSER	<u>0</u>	CSER	<u>0</u>
Total	16	Total	15

#### Notes

*All applicable prerequisites must be met*

<sup>1</sup>Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skills requirements

<sup>2</sup>MATH 131, 211, PHYS 231 and 232 are strongly recommended

<sup>3</sup>All students must pass the Computer Assessment OR complete applicable INFT course; refer to [www.liberty.edu/computerassessment](http://www.liberty.edu/computerassessment) for more information

<sup>4</sup>CHEM 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.