

Important: This degree plan is effective for those starting this degree program in fall 2018 through summer 2019. 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/

CORE COMPETENCY REQUIREMENTS (44-47 hours)

Course		Hrs	Sem	Grade
Communication (6 hours)¹				
ENGL 101	Composition & Rhetoric	3	_____	_____
_____	Communications Elective	3	_____	_____

Math, Science & Technology (7-10 hours)¹

Course		Hrs	Sem	Grade
MATH _____	Math Elective (MATH 114 or higher)	3	_____	_____
_____	Natural Science Elective	3	_____	_____
_____	Technology Competency ²	0-3	_____	_____
UNIV 101	University Core Competencies	1	_____	_____

Information Literacy (7 hours)¹

Course		Hrs	Sem	Grade
INQR 101	Inquiry 101	1	_____	_____
_____	Composition Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____

Critical Thinking (12 hours)¹

Course		Hrs	Sem	Grade
RSCH 201	Research 201	3	_____	_____
_____	Literature OR Philosophy Elective	3	_____	_____
_____	Social Science Elective	3	_____	_____
_____	Cultural Studies Elective	3	_____	_____

Christian Life & Thought (12 hours)^{1,3}

Course		Hrs	Sem	Grade
BIBL 105	Old Testament Survey	2	_____	_____
BIBL 110	New Testament Survey	2	_____	_____
EVAN 101	Evangelism & Christian Life	2	_____	_____
RLGN 105	Intr Bwww/Contemp Moral Issues	2	_____	_____
THEO 201	Theology Survey I	2	_____	_____
THEO 202	Theology Survey II	2	_____	_____

Major Foundational Courses (19-27 hours)⁴

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

MAJOR

Course		Hrs	Sem	Grade
Core (46-48 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	2-3	_____	_____
MATH 132	Calculus & Analytic Geometry II	4	_____	_____

FREE ELECTIVES (0-11 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 core competency 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

⁴Major Foundational Courses can also fulfill General Education/Core Competency requirements as applicable

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

50% Of major taken through Liberty University

30 Hours must be completed through Liberty University

Grad App Submission of Graduation 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>	
EVAN 101	2	BIBL 105	2
INQR 101	1	ENGL 101	3
UNIV 101	1	RLGN 105	2
Natural Science Elective ¹ [BIOL 224]	4	Technology Competency ²	0-3
CHEM 131	3	CHEM 132	3
CHEM 135	1	CHEM 136	1
MATH 126 <u>or</u> 131	3-4	MATH 132	4
CSER	<u>0</u>	CSER	<u>0</u>
Total	15-16	Total	15-18

SOPHOMORE YEAR

RSCH 201	3	THEO 201	2
Communications Elective ¹	3	Information Literacy Elective ¹	3
MATH Elective ¹ [MATH 201 <u>or</u> 211]	3	Literature <u>or</u> Philosophy Elective ¹	3
PHYS 201 <u>or</u> 231	4	PHYS 202 <u>or</u> 232 ²	4
CHEM 301	4	CHEM 302	4
CSER	<u>0</u>	CSER	<u>0</u>
Total	17	Total	16

JUNIOR YEAR

Cultural Studies Elective ¹	3	THEO 202	2
CHEM 321	4	CHEM 322 ⁴	4
CHEM 461 ⁴	3	CHEM 462 ⁴	3
CHEM 465 ⁴	1	CHEM 497	3-4
Elective	3	CSER	<u>0</u>
CSER	<u>0</u>	Total	12-13
Total	14		

SENIOR YEAR

BCHM 451	4	Composition Elective ¹	3
CHEM 466 ⁴	1	BCHM 452 <u>or</u> CHEM 497	4
CHEM 471 ⁴	4	CHEM 400	1
CRST 290 <u>or</u> CRST 390	2-3	Elective	3
Elective	3	Elective	3
CSER	<u>0</u>	CSER	<u>0</u>
Total	14-15	Total	14

Notes

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⁴CHEM 461/465 and CHEM 462/466 will be offered in alternate years with CHEM 471 and CHEM 322. Students should take Whichever part of the set is offered in their junior year and take the alternate set the following year