LIBERTY UNIVERSITY

Bachelor of Science in Applied Mathematics and Statistics
2022-2023 Degree Completion Plan

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 Bwvw/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 (0-17 hours)				
CSIS 110	Introduction to Computer Science[4]	3		
CSIS 111	Introduction to Programming[4]	3		
ENGR 270	Technical Communication[4]	3		
MATH 131	Calculus & Analytic Geometry I[4]	4		
PHYS 231	University Physics I[4]	4		
MAJOR				
	Core (41 hours)			
MATH 132	Calculus & Analytic Geometry II	4		
MATH 133	Calculus with Mathematica Lab	1		
MATH 200	Introduction to Mathematical Reasoning	3		
MATH 221	Applied Linear Algebra	3		
MATH 231	Calculus & Analytic Geometry III	4		
MATH 302	Intro. to Experimental Design in Statistics	3		
MATH 311	Probability & Statistics I	3		
MATH 321	Linear Algebra	3		
MATH 352	Numerical Analysis	3		
MATH 402	Linear Regression	3		
MATH 411	Probability & Statistics II	3		
MATH 450	Mathematics Capstone Seminar	2		
MATH ____	Math Elective[5]	3		
MATH ____	Math Elective[6]	3		

FREE ELECTIVES (15-35 hours)[7]

_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__
_____	_____	__	__	__

Notes
All applicable prerequisites must be met
[1] Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements
[2] All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment for more information
[3] Students transferring in 45 or more UG credit hours will have the requirements of RLGN 105 & EVAN 101 waived; Students transferring in 60 or more UG credit hours will also have the requirements of THEO 201 and THEO 202 waived
[4] Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened
[5] Choose from the following courses: MATH 421 or 431
[6] Choose from the following courses: MATH 301, 304, 334, or 350
[7] May need 4 hours of upper-level electives
Suggested Course Sequence on second page

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester	
BIBL 105	2	BIBL 110	2
ENGL 101	3	INQR 101	1
RLGN 105	2	Communications Elect.[1] [ENGR 270]	3
UNIV 101	1	Info Literacy Elective[1] [CSIS 110]	3
MATH Elective[1] [MATH 131]	4	Natural Science Elective[1] [PHYS 231]	4
Technology Competency[2]	0-3	MATH 132	4
MATH 133	1	CSER	0
CSER	0	Total	17
Total	13-16		

SOPHOMORE YEAR

EVAN 101	2	THEO 201	2
RSCH 201	3	Critical Thinking Elective[1]	3
Info Literacy Elective[1] [CSIS 111]	3	MATH 200	3
MATH 231	4	MATH 221	3
MATH Elective[5]	3	MATH 311	3
CSER	0	CSER	0
Total	15	Total	14

JUNIOR YEAR

THEO 202	2	Social Science Elective[1]	3
Cultural Studies Elective[1]	3	MATH 321	3
MATH 302	3	MATH 402	3
MATH 411	3	Elective	3
Elective[3]	3	Elective	3
Elective[3]	3	CSER	0
CSER	0	Total	15
Total	17		

SENIOR YEAR

MATH 352	3	MATH 450	2
MATH Elective[4]	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
Elective	3	Elective	3
CSER	0	CSER	0
Total	15	Total	14

Notes
All applicable prerequisites must be met
[1]Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements
[2]All students must pass the Computer Assessment OR complete applicable INFT course; refer to www.liberty.edu/computerassessment
 for more information
[3]May need 4 hours of upper-level electives
[4]Choose from MATH 301, 304, 334, or 350
[5]Choose from MATH 421 or 431