

Bachelor of Science in Mathematics

Actuarial Concentration

2019-2020 Degree Completion Plan

Important: This degree plan is effective for those starting this degree program in fall 2019 through summer 2020. 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/

Course	IONAL SKILLS REQUIREMENTS	Hrs	Sem	Grade	Course		Hrs	Sem	Grade
Communica	tion & Information Literacy (13 hou	$(rs)^1$			Major Foun	dational Courses (7-17 hours)			
ENGL 101	Composition & Rhetoric	3			CSIS 110	Introduction to Computer Sciences ⁴	3		
INQR 101	Inquiry 101	1			CSIS 111	Introduction to Programming ⁴	3		
	Communications Elective	3			ENGR 270	Technical Communication ⁴	3		
	Information Literacy Elective	3			PHYS 231	University Physics I ⁴	4		
	Information Literacy Elective	3			PHYS 232	University Physics II ⁴	4		
Technologic	al Solutions & Quantitative Reasoni	ng (4-7	hours	$)^1$	MAJOR				
UNIV 101	University Core Competencies	1				Core (41 hours)			
MATH		3			MATH 131	Calculus & Analytic Geometry I	4		
	Technology Competency ²	0-3			MATH 132	Calculus & Analytic Geometry II	4		
					MATH 133	Calculus with Mathematica Lab	1		
Critical Thi	nking (8 hours) ¹				MATH 200	Introduction to Mathematical Reasoning	3		
RLGN 105	Intr Bwvw/Contemp Moral Issues ³	2			MATH 231	Calculus & Analytic Geometry III	4		
RSCH 201	Research 201	3			MATH 311	Probability & Statistics I	3		
	Critical Thinking Elective	3			MATH 321	Linear Algebra	3		
					MATH 421	Elementary & Abstract Algebra I	3		
Civic & Global Engagement (5 hours) ¹				MATH 431	Real Analysis	3			
EVAN 101	Evangelism & Christian Life ³	2			MATH 450	Mathematics Capstone Seminar	1		
	Cultural Studies Elective	3			MATH	Math Elective ⁵	3		
					MATH	Math Elective ^{6,8}	3		
Social & Scientific Inquiry (6 hours) ¹				MATH	Math Elective ^{7,8}	3			
	Natural Science Elective	3			MATH	Math Elective9	3		
	Social Science Elective	3							
						Concentration (36 hours)			
Christianity	& Contexts (8 hours) ¹				ACCT 211	Financial Accounting	3		
BIBL 105	Old Testament Survey	2			ACCT 212	Managerial Accounting	3		
BIBL 110	New Testament Survey	2			BUSI 201	Intermediate Business Computer App.	3		
THEO 201	Theology Survey I ³	2			BUSI 320	Corporate Finance	3		
THEO 202	Theology Survey II ³	2			BUSI 330	Principles of Marketing	3		
					BUSI 405	Business & Economic Forecasting	3		
					BUSI 420	Investments	3		
					BUSI 421	Insur. Planning/Risk Mgt./Emp. Bene.	3		
					CSIS 208	Application Programming	3		
					CSIS 325	Database Management Systems	3		
					ECON 213	Principles of Microeconomics	3		
					ECON 214	Principles of Macroeconomics	3		

Graduation Requirements

128 Total Hours

2.0 Overall grade point average

32 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 and concentration taken through Liberty University

32 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

 \boldsymbol{CSER} All requirements must be satisfied before a degree will be awarded

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

⁵Choose course from the following: MATH 305, 332 or 334

⁶Choose course from the following: MATH 307, 331 or 422

⁷Choose course from the following: MATH 301, 302, 350, 352 or 411

⁸MATH 305, 411, or 422 must be part of the degree program

⁹Choose a 300-400 level MATH course not already applying to the major

Suggested Course Sequence on second page

Revised: 06.07.2019 Effective: Catalog Term 2019-40

SUGGESTED COURSE SEQUENCE

FRESHMAN YEAR

First Semester		Second Semester										
BIBL 105	2	BIBL 110		2								
ENGL 101	3	INQR 101		1								
UNIV 101	1	RLGN 105		2								
Communications Elective ¹ [ENGR 270]	3	Information Literacy Elective ¹		3								
MATH Elective ¹	3	Technology Competency ²		0-3								
MATH 131	4	MATH 132		4								
CSER	<u>0</u>	MATH 133		1								
Total	<u>-</u> 16	CSER		0								
			Total	13-16								
SOPHOMORE YEAR												
EVAN 101	2	CSIS 111		3								
RSCH 201	3	PHYS 232		4								
THEO 201	2	THEO 202		2								
Info Literacy Elective ¹ [CSIS 110]	3	ACCT 212		3								
Natural Science Elective ¹ [PHYS 231]	4	ECON 213		3								
ACCT 211	3	CSER		0								
CSER	0		Total	15								
Total	17											
	JUNIOR Y	EAR										
Critical Thinking Elective ¹	3	Social Science Elective ¹		3								
BUSI 201	3	BUSI 320		3								
ECON 214	3	BUSI 330		3								
MATH 200	3	CSIS 208		3								
MATH 231	4	MATH 311		3								
CSER	<u>0</u>	MATH 321		3								
Total	16	CSER		<u>O</u>								
			Total	18								
SENIOR YEAR												
Cultural Studies Elective ¹	3	BUSI 421		3								
BUSI 405	3	MATH 450		1								
BUSI 420	3	MATH Elective ³		3								
CSIS 325	3	MATH Elective ^{4,6}		3								
MATH 421	3	MATH Elective ^{5,6}		3								
MATH 431	3	MATH Elective ⁷		3								
CSER	<u>0</u>	CSER		<u>0</u>								
Total	18		Total	16								

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for more information

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