STEM MATHEMATICS (A.S.) - ONLINE

Important: This degree plan is effective for those starting this degree program in fall 2025 through summer 2026. 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

Code	Title	Hours
Communication & Information Literacy [1]		
ENGL 101	Composition and Rhetoric	3
Communications Elective		3
Information Literacy Elective		3
Technological Solutions & Quantitative Reasoning [1]		
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Math Elective	MATH 114 or higher	3
Critical Thinking [1]		
RLGN 104	Christian Life and Biblical Worldview [2]	4
Critical Thinking Elective		3
Civic & Global Engagement [1]		
Cultural Studies Elective		3
Social & Scientific Inquiry [1]		
Natural Science Elective		3
Social Science Elective		3
Christianity & Contexts [1]		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey [2]	4
Total Hours		**36-39**

[1] Refer to the list of approved general education electives before enrolling in foundational skill requirements

[2] Students transferring in 45 or more UG credit hours will have the requirement of RLGN 104 waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 waived

Major Requirements

Code	Title	Hours
Major Foundational Courses		
CSIS 110	Introduction to Computer Science [1]	3
Total Hours		**3**

[1] Course may fulfill select general education requirements.

Code	Title	Hours
Major Core		
MATH 131	Calculus and Analytic Geometry I	4
MATH 132	Calculus and Analytic Geometry II	4
MATH 211	Introduction to Statistical Analysis	3
MATH 250	Introduction to Discrete Mathematics	3

Code	Title	Hours
STEM Elective [1]		3
STEM Elective [1]		3
STEM Elective [1]		3
Total Hours		**23**

[1] Choose a course not already required in the Major from the following: any CSIS, ENGR, ENVR, or PHSC course, or any 200-400 level PHYS, MATH, or STEM course.

Code	Title	Hours
Free Electives		
Choose 0-1 credit hours of Free Electives		0-1
Total Hours		**0-1**

All applicable prerequisites must be met

Graduation Requirements

- **60** Total hours
- **2.0** Overall grade point average
- **Grade of 'C'** Minimum required for all upper-level courses in the major
- **25%** Of major taken through Liberty University
- **15** 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

Course Sequence

Course	Title	Hours
First Year		
First Semester		
BIBL 104	Survey of Old and New Testament	4
ENGL 101	Composition and Rhetoric	3
UNIV 104	Instructional Technology for Successful Online Learning	0-3
Information Literacy Elective (CSIS 110) [1]		3
Math Elective [1]		3
	Hours	**13-16**
Second Semester		
RLGN 104	Christian Life and Biblical Worldview	4
Critical Thinking Elective [1]		3
MATH 131	Calculus and Analytic Geometry I	4
STEM Elective [2]		3
Elective		1
	Hours	**15**
Second Year		
First Semester		
THEO 104	Introduction to Theology Survey	4
Communication Elective [1]		3
MATH 132	Calculus and Analytic Geometry II	4
MATH 211	Introduction to Statistical Analysis	3
STEM Elective [2]		3
	Hours	**17**

Course	Title	Hours
Second Semester		
Cultural Studies Elective [1]		3
Natural Science Elective [1]		3
Social Science Elective [1]		3
MATH 250	Introduction to Discrete Mathematics	3
STEM Elective [2]		3
	Hours	**15**
	Total Hours	**60-63**

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

[2] Choose a course not already required in the Major from the following: any CSIS, ENGR, ENVR, PHSC course, and any course, and any 200-400 level PHYS, MATH, or STEM course. A minimum of 9 hours total is required.