

STEM MATHEMATICS (A.S.) - ONLINE

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

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 Christian Life and Biblical Worldview (4 c.h.) waived; Students transferring in 60 or more UG credit hours will also have the requirement of THEO 104 Introduction to Theology Survey (4 c.h.) 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

Code	Title	Hours
MATH 211	Introduction to Statistical Analysis	3
MATH 250	Introduction to Discrete Mathematics	3
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