

LIBERTY UNIVERSITY

ONLINE ACADEMY

Associate of Science in STEM Mathematics

High School Diploma (Standard)

Diploma Completion Plan

Important: This diploma plan is effective from the time the student begins the program. This plan will remain in effect for students who do not break enrollment or who do not change programs.

STANDARD DIPLOMA (15.5 credits)

Course	Credits	Year	Grade	Course	Credits	Year	Grade
<u>English (2.5 credits)</u>				<u>Health & PE (2 credits)</u>			
English 9	1	_____	_____	Health & PE I	1	_____	_____
English 10	1	_____	_____	Health & PE II	1	_____	_____
British Lit	.5	_____	_____				
				<u>Electives (1.5 credit)</u>			
<u>Mathematics (3 credits)</u>				<u>General Electives (0.5 credits)</u>			
Algebra I	1	_____	_____		.5	_____	_____
Geometry	1	_____	_____		.5	_____	_____
Algebra II	1	_____	_____		.5	_____	_____
<u>Laboratory Science (1 credit)</u>							
Earth Science	1	_____	_____				
<u>History & Social Science (2.5 credits)</u>							
World History I	1	_____	_____				
or World History II	1	_____	_____				
US History	.5	_____	_____				
Virginia History	.5	_____	_____				
<u>Economics & Personal Finance (1 credit)</u>							
Economics	.5	_____	_____				
Personal Finance	.5	_____	_____				
<u>Bible (2 credits)</u>							
Survey of the Bible	1	_____	_____				
Apologetics	1	_____	_____				

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 (36-39 hours)

Course		Hrs	Sem	Grade
Communication & Information Literacy (9 hours)¹				
ENGL 101	Composition & Rhetoric	3	_____	_____
_____	Communications Elective	3	_____	_____
_____	Information Literacy Elective	3	_____	_____

Technological Solutions & Quantitative Reasoning (3-6 hours)¹

UNIV 104	Instructional Tech. for Online Learning	0-3	_____	_____
MATH _____	Math Elective (MATH 114 or higher)	3	_____	_____

Critical Thinking (7 hours)¹

RLGN 104	Christian Life & Biblical Worldview ²	4	_____	_____
_____	Critical Thinking Elective	3	_____	_____

Civic & Global Engagement (3 hours)¹

_____	Cultural Studies Elective	3	_____	_____
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Social & Scientific Inquiry (6 hours)¹

_____	Natural Science Elective	3	_____	_____
_____	Social Science Elective	3	_____	_____

Christianity & Contexts (8 hours)¹

BIBL 104	Survey of Old & New Testament	4	_____	_____
THEO 104	Introduction to Theology Survey ²	4	_____	_____

Course		Hrs	Sem	Grade
Major Foundational Courses (0-3 hours)				
CSIS 110	Introduction to Computing Sciences ³	3	_____	_____

MAJOR

Core (23 hours)				
MATH 131	Calculus & Analytic Geometry I	4	_____	_____
MATH 132	Calculus & Analytic Geometry II	4	_____	_____
MATH 211	Introduction to Statistical Analysis	3	_____	_____
MATH 250	Introduction to Discrete Mathematics	3	_____	_____
_____	STEM Elective ⁴	-	_____	_____
_____	STEM Elective ⁴	-	_____	_____
_____	STEM Elective ⁴	-	_____	_____

FREE ELECTIVES (0-1 hours)

_____	_____	-	_____	_____
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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

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

²Students 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

³Courses may also fulfill select General Education Requirements. Please refer to the list of approved general education electives at www.liberty.edu/gened

⁴Choose a course not already required in the Major from the following: any CSIS, ENGR, ENVR, PHSC course, and any 200-400 level PHYS, MATH, or STEM course. A minimum of 9 hours total is required

Suggested Course Sequence on third page

SUGGESTED COURSE SEQUENCE

8th Grade

Algebra I

9th Grade

Geometry

English 9

Health & PE I

Earth Science

World History

VA History

Personal Finance

Survey of the Bible

10th Grade

Algebra II

English 10

Health & PE II

US History

British Lit

Economics

Electives

Apologetics

10th Grade Summer

UNIV 104

GOVT 220

11th Grade Fall

ENGL 101

RLGN 104

ENGL 102

BIBL 104

11th Grade Spring/Summer

COMS 101

BIOL 101

PSYC 101

PHSC 121

MATH 128 (Summer)

PHYS 201 (Summer)

12th Grade Fall

MATH 131

ENGL 202

MATH 132

CSIS 110

12th Grade Spring

MATH 211

THEO 104

MATH 250

PHSC 210

Notes

All applicable prerequisites must be met.

Refer to the list of approved general education electives at www.liberty.edu/gened before enrolling in foundational skills requirements (Dual Enrollment courses only)

Refer to the list of approved high school electives at www.liberty.edu/online-academy/online-high-school/ under "Elective courses"