

LIBERTY UNIVERSITY

ONLINE ACADEMY

Associate of Arts in STEM Mathematics High School Diploma (Standard) Diploma Completion Plan (2025–2026)

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.

Course	Credit	Year	Grade
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English (4 credits)

LAN0900: English 9	1	_____	_____
LAN1000: English 10	1	_____	_____
LAN1100: English 11	1	_____	_____
LAN3101: Composition & Rhetoric ¹¹	0.5	_____	_____
LUO Critical Thinking Elective ^{11,16}	0.5	_____	_____

Mathematics (3 credits)¹

MAT0900: Algebra I	1	_____	_____
MAT1000: Geometry	1	_____	_____
MAT1100: Algebra II	1	_____	_____

Laboratory Science (3 credits)²

SCI0900: Earth Science	1	_____	_____
SCI1000: Biology			
OR SCI1100: Chemistry	1	_____	_____
LUO Natural Sciences Elective ^{11,17}	0.5	_____	_____
LUO Natural Sciences Elective Lab ^{11,17}	0.5	_____	_____

History & Social Science (3 credits)³

HIS0900: World History I			
OR HIS1000: World History II			
OR HIS0950: World Geography	1	_____	_____
HIS1100: United States History	1	_____	_____
HIS1201: Government	0.5	_____	_____
HIS1146: Virginia History	0.5	_____	_____

Bible (Up to 3 credits)⁵

BIB0900: Survey of the Bible	1	_____	_____
BIB1000: Apologetics	1	_____	_____
BIB3104: Introduction to Theology			
Survey ¹¹	0.5	_____	_____
BIB3106: Survey of Old & New Testament ¹¹	0.5	_____	_____

Course	Credit	Year	Grade
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Economics & Personal Finance (1 credit)⁴

HIS1202: Economics	0.5	_____	_____
CSB3223: Personal Finance Literacy ¹¹	0.5	_____	_____

Health & PE (2 credits)⁶

HPEB100 OR HPEG100: Health I	0.5	_____	_____
HPEB150 OR HPEG150: PE I	0.5	_____	_____
HPEB200 OR HPEG200: Health II	0.5	_____	_____
HPEB250 OR HPEG250: PE II	0.5	_____	_____

Electives (6.5 credits total)

Fine Arts or Career & Technology (1 credit)

CSB3101: Instructional Technology for Online Learning ¹¹	0.5	_____	_____
MAT3121: College Algebra ¹¹	0.5	_____	_____

World Lang, Fine Arts, or Career & Technology (1 credit)⁷

LUO Cultural Studies Elective ^{11,15}	0.5	_____	_____
CSB3009: Introduction to Computer Science ¹¹	0.5	_____	_____

General Electives (4.5 credits)

LUO Communication Elective ^{11,14}	0.5	_____	_____
BIB3107: Christian Life & Biblical Worldview ¹¹	0.5	_____	_____
MAT3131: Calculus & Analytic Geometry I ¹¹	0.5	_____	_____
MAT3132: Calculus & Analytic Geometry II ¹¹	0.5	_____	_____
MAT3211: Introduction to Statistical Analysis ¹¹	0.5	_____	_____
MAT3250: Introduction to Discrete Mathematics	0.5	_____	_____
LUO STEM Elective ^{11,12,18}	0.5	_____	_____
LUO STEM Elective ^{11,12,18}	0.5	_____	_____
LUO STEM Elective ^{11,12,18}	0.5	_____	_____

Notes

- Math: 3 credits (Algebra I or higher).
- Lab Sciences: 3 credits including a minimum of 2 distinct disciplines.
- History: 1 credit of World Hist/Geo, 1 credit of US Hist, 0.5 credits of VA Hist, and 0.5 credits of Gov.
- Econ: 0.5 credits of Personal Finance and 0.5 credits of Economics.
- Bible: BIB0900 may be waived for students entering LUOA after the 9th grade.
- Health & PE: 2 credits including a minimum of 0.5 credits in each subject. B: Boys; G: Girls
- Lang/FA/CTE: 2 credits of a lang, fine arts, or career & tech (no more than 1 credit of lang).⁸
- 22+ total credits plus 1 Bible credit for every year as a full-time LUOA stu. required for grad.
- To find Dual Enrollment courses that meet certain high school credit requirements, visit <https://www.liberty.edu/online-academy/dual-enrollment-courses/> under A La Carte.
- No more than two dual courses may be transferred from another institution.
- Dual enrollment courses taken in LU Online.
- All applicable prerequisites must be met.
- Choose from: MAT3114, MAT3115, MAT3117, MAT3121, or MAT3128
- Choose from: LAN3103, CSB3300, MAT3270, or GLS3220
- Choose from: ART3105 or MUS3103
- Choose from: LAN3201, LAN3202, LAN3216, or LAN3221
- Choose from: SCI3101 and SCI3103, SCI3121 and SCI3122, or PHY3101 and PHY3103
- Choose from: CSB3113, CSB3112, CSB3209, CSB3213, CSB3311, CSB3330, CSB3335, CSB3340, CSB3341, CSB3343, CSB3375, MAT3133, MAT3270, MAT3201, PHY3201, SCI3231, or SCI3232

Graduation Requirements

- 22–26** Minimum total credits.⁵
- Grade of D** Min grade to pass high school courses.
- Grade of C** Minimum grade required to pass upper-level dual enrollment courses.
- Sr Year** Must be full time at LUOA.
- 5.5** Credits must be taken at LUOA.
- 10** Minimum dual enrollment credits required.
- 2.5** Minimum dual enrollment credits that must be taken through LUO.
- 25%** Minimum dual enrollment courses that must be taken through LUO.
- 2.0** Minimum dual enrollment grade point average.
- Grad App** Must submit graduation applications within the semester of the anticipated graduation.

SUGGESTED COURSE SEQUENCE

8th Grade	Credits
MAT0900: Algebra I	1
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Total: 1	

9th Grade	Credits
BIB0900: Survey of the Bible	1
LAN0900: English 9	1
SCI0900: Earth Science	1
MAT1000: Geometry	1
HPEB/G100: Boys <u>or</u> Girls Health I	0.5
HPEB/G150: Boys <u>or</u> Girls PE I	0.5
HIS0900: World History I	1
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Total: 6	

10th Grade	Credits
BIB1000: Apologetics	1
LAN1000: English 10	1
MAT1100: Algebra II	1
SCI1000: Biology	1
HIS1100: United States History	1
HPEB/G200: Boys <u>or</u> Girls Health II	0.5
HPEB/G200: Boys <u>or</u> Girls PE II	0.5
HIS1146: Virginia History	0.5
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Total: 6.5	

10th Grade Summer	Credits
CSB3101: Instructional Technology for Online Learning ¹¹	0.5
BIB3107: Christian Life & Biblical Worldview ¹¹	0.5
<i>LUO Communications Elective</i> ^{11,14}	0.5
MAT3121: College Algebra ¹¹	0.5
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Total: 2	

11th Grade Fall	Credits
LAN1100: English 11	1
<i>LUO Natural Sciences Elective</i> ^{11,17}	0.5
<i>LUO Natural Sciences Elective Lab</i> ^{11,17}	0.5
CSB3009: Introduction to Computer Science ¹¹	0.5
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Total: 2.5	

11th Grade Spring/Summer	Credits
HIS1201: Government	0.5
LAN3101: Composition & Rhetoric ¹¹	0.5
<i>LUO Cultural Studies Elective</i> ^{11,15}	0.5
BIB3104: Introduction to Theology Survey ¹¹	0.5
CSB3223: Personal Finance ¹¹ (<i>Summer</i>)	0.5
MAT3250: Introduction to Discrete Mathematics ¹¹ (<i>Summer</i>)	0.5
<i>LUO Critical Thinking Elective</i> ^{11,16} (<i>Summer</i>)	0.5
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Total: 3.5	

12th Grade Fall	Credits
MAT3211: Introduction to Statistical Analysis ¹¹	0.5
MAT3131: Calculus & Analytic Geometry I ¹¹	0.5
<i>LUO STEM Elective</i> ^{11,12,18}	0.5
<i>LUO STEM Elective</i> ^{11,12,18}	0.5
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Total: 2	

12th Grade Spring	Credits
HIS1202: Economics	0.5
BIB3106: Survey of Old & New Testament ¹¹	0.5
MAT3132: Calculus & Analytic Geometry II ¹¹	0.5
<i>LUO STEM Elective</i> ^{11,12,18}	0.5
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Total: 2	