

# LIBERTY UNIVERSITY

## ONLINE ACADEMY

### Associate of Arts in STEM Mathematics High School Diploma (Standard) Diploma Completion Plan (2026–2027)

**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	Course	Credit	Year	Grade
<b>English (4 credits)</b>				<b>Economics &amp; Personal Finance (1 credit)<sup>4</sup></b>			
LAN0900: English 9	1	_____	_____	HIS1202: Economics	0.5	_____	_____
LAN1000: English 10	1	_____	_____	CSB3223: Personal Finance Literacy <sup>10</sup>	0.5	_____	_____
LAN1100: English 11	1	_____	_____	<b>Health &amp; PE (2 credits)<sup>6</sup></b>			
LAN3101: Composition & Rhetoric <sup>10</sup>	0.5	_____	_____	HPEB100 <u>OR</u> HPEG100: Health I	0.5	_____	_____
LUO Critical Thinking Elective <sup>10,15</sup>	0.5	_____	_____	HPEB150 <u>OR</u> HPEG150: PE I	0.5	_____	_____
<b>Mathematics (3 credits)<sup>1</sup></b>				HPEB200 <u>OR</u> HPEG200: Health II	0.5	_____	_____
MAT0900: Algebra I	1	_____	_____	HPEB250 <u>OR</u> HPEG250: PE II	0.5	_____	_____
MAT1000: Geometry	1	_____	_____	<b>Electives (6.5 credits total)</b>			
MAT1100: Algebra II	1	_____	_____	<i>Fine Arts or Career &amp; Technology (1 credit)</i>			
<b>Laboratory Science (3 credits)<sup>2</sup></b>				CSB3101: Instructional Technology for			
SCI0900: Earth Science	1	_____	_____	Online Learning <sup>10</sup>	0.5	_____	_____
SCII000: Biology				MAT3121: College Algebra <sup>10</sup>	0.5	_____	_____
<u>OR</u> SCII100: Chemistry	1	_____	_____	<i>World Lang, Fine Arts, or Career &amp; Technology (1 credit)<sup>7</sup></i>			
LUO Natural Sciences Elective <sup>10,16</sup>	0.5	_____	_____	LUO Cultural Studies Elective <sup>10,14</sup>	0.5	_____	_____
LUO Natural Sciences Elective Lab <sup>10,16</sup>	0.5	_____	_____	CSB3009: Introduction to Computer			
<b>History &amp; Social Science (3 credits)<sup>3</sup></b>				Science <sup>10</sup>	0.5	_____	_____
HIS0900: World History I				<i>General Electives (4.5 credits)</i>			
<u>OR</u> HIS1000: World History II				LUO Communication Elective <sup>10,13</sup>	0.5	_____	_____
<u>OR</u> HIS0950: World Geography	1	_____	_____	BIB3107: Christian Life & Biblical			
HIS1100: United States History	1	_____	_____	Worldview <sup>10</sup>	0.5	_____	_____
HIS1201: Government	0.5	_____	_____	MAT3131: Calculus & Analytic			
HIS1146: Virginia History	0.5	_____	_____	Geometry I <sup>10,11</sup>	0.5	_____	_____
<b>Bible (Up to 3 credits)<sup>5</sup></b>				MAT3132: Calculus & Analytic			
BIB0900: Survey of the Bible	1	_____	_____	Geometry II <sup>10,11</sup>	0.5	_____	_____
BIB1000: Apologetics	1	_____	_____	MAT3211: Introduction to Statistical			
BIB3104: Introduction to Theology				Analysis <sup>10,11</sup>	0.5	_____	_____
Survey <sup>10</sup>	0.5	_____	_____	MAT3250: Introduction to Discrete			
BIB3106: Survey of Old & New				Mathematics <sup>10,11</sup>	0.5	_____	_____
Testament <sup>10</sup>	0.5	_____	_____	LUO STEM Elective <sup>10,11,18</sup>	0.5	_____	_____
				LUO STEM Elective <sup>10,11,17</sup>	0.5	_____	_____
				LUO STEM Elective <sup>10,11,17</sup>	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 9<sup>th</sup> 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).<sup>8</sup>
- 22+ total credits plus 1 Bible credit for every year as a full-time LUOA student required for graduation.
- To find Dual Enrollment courses visit our [Course Finder](#)
- 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 + Bible** Minimum credits.<sup>5</sup>
- Grade of D** Min grade to pass high school courses.
- Grade of C** Minimum grade required to apply upper-level dual enrollment courses.
- Sr Year** Must be full time at LUOA.
- 5.5** Credits must be taken at LUOA.
- 2.0** Maximum dual enrollment credits that may be transferred.
- 3.0** Minimum LUOA grade point average to remain in program
- 2.0** Minimum dual enrollment grade point average
- Grad App** Must submit graduation applications within the semester of the anticipated graduation.

## SUGGESTED COURSE SEQUENCE

8 <sup>th</sup> Grade	Credits
MAT0900: Algebra I	1
<b>Total: 1</b>	

9 <sup>th</sup> 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
<b>Total: 6</b>	

10 <sup>th</sup> 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
<b>Total: 6.5</b>	

10 <sup>th</sup> Grade Summer	Credits
CSB3101: Instructional Technology for Online Learning <sup>10</sup>	0.5
BIB3107: Christian Life & Biblical Worldview <sup>10</sup>	0.5
<i>LUO Communications Elective</i> <sup>10,13</sup>	0.5
MAT3121: College Algebra <sup>10</sup>	0.5
<b>Total: 2</b>	

11 <sup>th</sup> Grade Fall	Credits
LAN1100: English 11	1
<i>LUO Natural Sciences Elective</i> <sup>10,16</sup>	0.5
<i>LUO Natural Sciences Elective Lab</i> <sup>10,16</sup>	0.5
CSB3009: Introduction to Computer Science <sup>10</sup>	0.5
<b>Total: 2.5</b>	

11 <sup>th</sup> Grade Spring/Summer	Credits
HIS1201: Government	0.5
LAN3101: Composition & Rhetoric <sup>10</sup>	0.5
<i>LUO Cultural Studies Elective</i> <sup>10,14</sup>	0.5
BIB3104: Introduction to Theology Survey <sup>10</sup>	0.5
CSB3223: Personal Finance <sup>10</sup> ( <i>Summer</i> )	0.5
MAT3250: Introduction to Discrete Mathematics <sup>10,11</sup> ( <i>Summer</i> )	0.5
<i>LUO Critical Thinking Elective</i> <sup>10,15</sup> ( <i>Summer</i> )	0.5
<b>Total: 3.5</b>	

12 <sup>th</sup> Grade Fall	Credits
MAT3211: Introduction to Statistical Analysis <sup>10,11</sup>	0.5
MAT3131: Calculus & Analytic Geometry I <sup>10,11</sup>	0.5
<i>LUO STEM Elective</i> <sup>10,11,17</sup>	0.5
<i>LUO STEM Elective</i> <sup>10,11,17</sup>	0.5
<b>Total: 2</b>	

12 <sup>th</sup> Grade Spring	Credits
HIS1202: Economics	0.5
BIB3106: Survey of Old & New Testament <sup>10</sup>	0.5
MAT3132: Calculus & Analytic Geometry II <sup>10</sup>	0.5
<i>LUO STEM Elective</i> <sup>10,11,18</sup>	0.5
<b>Total: 2</b>	