

# MATHEMATICS EDUCATION 6-12 (B.ED.) - ONLINE

**Important:** This degree plan is effective for those starting this degree program in fall 2024 through summer 2025. 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
<b>Communication &amp; Information Literacy <sup>1</sup></b>		
COMS 101	Speech Communication	3
ENGL 101	Composition and Rhetoric	3
HIUS 221	Survey of American History I	3
	Information Literacy Elective	3
<b>Technological Solutions &amp; Quantitative Reasoning <sup>1</sup></b>		
UNIV 104	Instructional Technology for Successful Online Learning	0-3
	MATH Elective	3
<b>Critical Thinking</b>		
ENGL 201	American Literature I	3
RLGN 104	Christian Life and Biblical Worldview <sup>2</sup>	4
<b>Civic &amp; Global Engagement</b>		
CSTU 101	Western Culture	3
<b>Social &amp; Scientific Inquiry <sup>1</sup></b>		
PSYC 210	Developmental Psychology	3
	Natural Science Elective	3
<b>Christianity &amp; Contexts</b>		
BIBL 104	Survey of Old and New Testament	4
THEO 104	Introduction to Theology Survey <sup>2</sup>	4
<b>Total Hours</b>		<b>39-42</b>

<sup>1</sup> Refer to the list of approved general education electives before enrolling in foundational skills requirements

<sup>2</sup> 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

As a requirement for completion of this program, including student teaching and passing required licensure tests, the graduate of this program, regardless of state residency, must obtain a VA state teaching license. The VA teaching license may then be used for reciprocity in another state according to the regulations of that state.

## Major Requirements

Code	Title	Hours
<b>Major Foundational Courses</b>		
CSIS 110	Introduction to Computer Science <sup>1</sup>	3
MATH 128	Precalculus with Trigonometry <sup>1</sup>	4
PHYS 231	University Physics I <sup>1</sup>	4
<b>Total Hours</b>		<b>11</b>

<sup>1</sup> Course may fulfill select general education requirements

Code	Title	Hours
<b>Major Core</b>		
<i>Education Courses</i>		
EDUC 201	Introduction to Education and Classroom Technology	3
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
EDUC 230	Foundations of Reading and Literacy	3
EDUC 235	Content Instructional Design	3
EDUC 350	Behavior and Individual Differences	3
EDUC 360	Foundations of Education	3
EDUC 425	Content Measurement and Evaluation	3
EDUC 435	Content Curriculum Fundamentals	3
MATH 419	Teaching Mathematics in Secondary Schools	3
<i>Practicum and Gate Courses</i>		
EDGT 175	School of Education Gate 1 – UG Initial Licensure - Distance	0
EDGT 275	School of Education Gate 2 – UG Initial Licensure - Distance	0
EDGT 375	School of Education Gate 3 – UG Initial Licensure - Distance	0
EDUC 188	Practicum in Education I: Distance <sup>1</sup>	0
EDUC 288	Practicum in Education II: Distance <sup>1</sup>	0
EDUC 388	Practicum in Education III: Distance <sup>1</sup>	0
<i>Secondary Courses</i>		
CSIS 111	Introduction to Programming Using C++	3
MATH 131	Calculus and Analytic Geometry I	4
MATH 132	Calculus and Analytic Geometry II	4
MATH 200	Introduction to Mathematical Reasoning	3
	or MATH 250 Introduction to Discrete Mathematics	
MATH 211	Introduction to Statistical Analysis	3
	or MATH 311 Probability and Statistics I	
MATH 221	Applied Linear Algebra	3
	or MATH 410 Matrix and Linear Algebra	
MATH 231	Calculus and Analytical Geometry III	4
	or MATH 430 Multivariable Calculus	
MATH 305	Modern Geometry	3
	or MATH 405 Fundamentals of Modern Geometry	
MATH 345	Introduction to the History of Mathematics	3
	or MATH 400 History of Mathematics	
MATH 350	Discrete Mathematics	3
MATH 421	Elementary Abstract Algebra I	3
	or MATH 423 Abstract Algebraic Structures	
<i>Student Teaching</i>		
EDST 475	The Reflective Educator: Resource Seminar	3
<i>Choose one of the following: <sup>1,2</sup></i>		9
EDST 460	Student Teaching - One Placement – Distance	
EDST 461	Student Teaching - One Placement – Local	
EDST 464	Student Teaching - Own Classroom – Distance	
EDST 465	Student Teaching - Own Classroom – Local	

Code	Title	Hours
EDST 466	Student Teaching - Multiple Endorsement - One Placement – Distance	
EDST 467	Student Teaching - Multiple Endorsement - One Placement – Local	
<b>Total Hours</b>		<b>75</b>

<sup>1</sup> Liberty University School of Education Background check is required for all practicums and student teaching.

<sup>2</sup> This course should be taken in the final semester.

Code	Title	Hours
<b>Free Electives</b>		
Choose 0-6 credit hours of Free Electives		0-6
<b>Total Hours</b>		<b>0-6</b>

#### Note:

- All practicum courses should be completed before student teaching, and candidate should not plan to take those courses in summer terms.

All applicable prerequisites must be met

## Graduation Requirements

- 120 Total Hours
- 3.0 Overall grade point average
- 30 Hours must be upper-level courses (300-400 level)
- **Grade of 'C'** Minimum required for all courses in the major
- 25% Of major taken through Liberty University
- 30 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
<b>First Year</b>		
<b>First Semester</b>		
ENGL 101	Composition and Rhetoric	3
MATH Elective (MATH 128) <sup>1</sup>		4
RLGN 104	Christian Life and Biblical Worldview	4
UNIV 104	Instructional Technology for Successful Online Learning	0-3
EDGT 175	School of Education Gate 1 – UG Initial Licensure - Distance	0
EDUC 201	Introduction to Education and Classroom Technology	3
<b>Hours</b>		<b>14-17</b>
<b>Second Semester</b>		
BIBL 104	Survey of Old and New Testament	4
COMS 101	Speech Communication	3
Information Literacy Elective (CSIS 110) <sup>1</sup>		3
EDUC 221	Content Area Reading and Differentiated Teaching and Learning	3
MATH 131	Calculus and Analytic Geometry I	4

Course	Title	Hours
EDGT 275	School of Education Gate 2 – UG Initial Licensure - Distance	0
<b>Hours</b>		<b>17</b>

### Second Year

#### First Semester

PSYC 210	Developmental Psychology	3
THEO 104	Introduction to Theology Survey	4
EDUC 188	Practicum in Education I: Distance <sup>2</sup>	0
EDUC 235	Content Instructional Design	3
MATH 132	Calculus and Analytic Geometry II	4

**Hours** **14**

#### Second Semester

ENGL 201	American Literature I	3
CSIS 111	Introduction to Programming Using C++	3
EDUC 350	Behavior and Individual Differences	3
MATH 200	Introduction to Mathematical Reasoning	3
or MATH 250	or Introduction to Discrete Mathematics	
MATH 231	Calculus and Analytical Geometry III	4
or MATH 430	or Multivariable Calculus	

**Hours** **16**

### Third Year

#### First Semester

EDUC 288	Practicum in Education II: Distance <sup>2</sup>	0
EDUC 360	Foundations of Education	3
MATH 211	Introduction to Statistical Analysis	3
or MATH 311	or Probability and Statistics I	
MATH 321	Linear Algebra	3
or MATH 410	or Matrix and Linear Algebra	
MATH 419	Teaching Mathematics in Secondary Schools	3

Elective 3  
**Hours** **15**

#### Second Semester

CSTU 101	Western Culture	3
Natural Science Elective (PHYS 231) <sup>1</sup>		4
EDUC 425	Content Measurement and Evaluation	3
MATH 305	Modern Geometry	3
or MATH 405	or Fundamentals of Modern Geometry	
MATH 421	Elementary Abstract Algebra I	3
or MATH 423	or Abstract Algebraic Structures	
Elective		2

**Hours** **18**

### Fourth Year

#### First Semester

HIUS 221	Survey of American History I	3
EDGT 375	School of Education Gate 3 – UG Initial Licensure - Distance	0
EDUC 388	Practicum in Education III: Distance <sup>2</sup>	0
EDUC 435	Content Curriculum Fundamentals	3
MATH 350	Discrete Mathematics	3
MATH 345	Introduction to the History of Mathematics	3
or MATH 400	or History of Mathematics	

Course	Title	Hours
Elective		3
<b>Hours</b>		<b>15</b>
<b>Second Semester</b>		
EDST 475	The Reflective Educator: Resource Seminar	3
Student Teaching Option <sup>2,3</sup>		9
<b>Hours</b>		<b>12</b>
<b>Total Hours</b>		<b>121-124</b>

<sup>1</sup> Refer to the list of approved general education electives at [www.liberty.edu/gened](http://www.liberty.edu/gened) before enrolling in foundational skills requirements

<sup>2</sup> Liberty University School of Education Background check is required for all practicums and student teaching

<sup>3</sup> Choose one of the following Student Teaching options: EDST 460, 461, 464, 465, 466, or 467