

# Secondary Special Education Mathematics Endorsement Competencies & Requirements

## Purpose

The Special Education Mathematics Endorsement is attached to a Special Education license. Candidates who currently hold a Utah Special Education Educator License and meet all of the requirements of the endorsement will be approved to teach all special education mathematics courses:

- 7<sup>th</sup> Grade Mathematics Special Education
- 8<sup>th</sup> Grade Mathematics Special Education
- Secondary Mathematics I Special Education
- Secondary Mathematics II Special Education
- Secondary Mathematics III Special Education
- Math for Personal Finance Special Education
- Math Decision Making for Life Special Education

## Endorsement Type Requirements:

- Professional Special Education Mathematics Endorsement:  
All requirements met
- Associate Special Education Mathematics Endorsement. Complete at least ONE of the following requirement(s):
  - Earned a bachelor’s or higher degree in the endorsement area
  - Completed at least 9 credit hours of coursework toward the endorsement
  - Successful completion of Mathematics Praxis Exam (5165 or 5161)

## Endorsement Requirements

The Special Education Mathematics Endorsement has the following two requirement areas:

**Area #1:** [Mathematics Content Knowledge](#) (See section C.1)

The requirements for Area #1: Mathematics Content Knowledge can be met

through earning a bachelor’s degree with a minor in Mathematics or related field, or earning an Early Adolescent National Board-Certified Teacher in Mathematics award (EA NBCT), or being an awardee or finalist with a Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST), or completing specific university/college courses.

**Area #2: [Pedagogy, Skills, and Dispositions](#)**

The requirements for Area #2: Secondary Special Education Mathematics Dispositions, Skills, and Pedagogy can be met by completing the Secondary Mathematics for Special Education Teachers course completing the specific Microcredential Stack.

If taking Utah-Based University Courses approved by USBE:

- For individual coursework, applicants must earn a C or higher in each course taken.
- All Mathematics or Mathematics Education degree programs must include 24 semester hours of mathematics coursework and must include Geometry, Algebra, and Statistics/Probability coursework.
- Unless specifically indicated, all courses require a minimum of Calculus I as a prerequisite.
- AP Coursework is accepted.
- If you would like to learn more about a specific mathematics program or approved courses, please visit the following websites for Utah Institutions of Higher Education:
  - [Brigham Young University](#)
  - [Salt Lake Community College](#)
    - [Special Education and Middle School Math Endorsement](#)
  - [Snow College](#)
  - [Southern Utah University](#)
  - [University of Utah](#)
  - [Utah State University](#)
    - [UMEP](#) (Utah Mathematics Endorsement Project at USU)
  - [Utah Tech University](#)
  - [Utah Valley University](#)
  - [Weber State University](#)
  - [Westminster College](#)

# Secondary Special Education Mathematics Endorsement Requirement Options

## Requirement Area 1:

### Special Education Mathematics Content Knowledge

#### College Major or Minor

University degree minor in Mathematics or related field.

- Must include 24 semester hours of mathematics and include Geometry, Statistics, and Algebra coursework.

#### Certificate or Experiences

[Early Adolescence National Board Certified Teacher in Mathematics](#) (EA NBCT Math)

[Presidential Award for Excellence in Mathematics and Science Teaching](#) (PAEMST) Awardee or Finalist

#### Content Exam

[ETS Praxis](#)

Praxis 5161 with Utah Passing Score 160

OR

Praxis 5165 with Utah Passing Score 152

## University Courses

Approved Utah Institutions of Higher Education courses and their corresponding course numbers listed by required course:

### College Algebra

\*Calculus prerequisite does not apply.

- Brigham Young University - College Algebra - Math 110
- Salt Lake Community College – College Algebra/Pre-Calculus – Math 2030
- Snow College - College Algebra - Math 1050
- Southern Utah University - College Algebra - Math 1050
- University of Utah - College Algebra - Math 1050
- Utah State University - College Algebra - Math 1050 or Math 1051
  - UMEP - Contact the program director.
- Utah Tech University - College Algebra/Pre-Calculus - Math 1050
- Utah Valley University - College Algebra - Math 1050 or Math 1055
- Weber State University - College Algebra - Math 1050
- Westminster College - College Algebra - Math 141

### Trigonometry

\*Calculus prerequisite does not apply.

- Brigham Young University - Trigonometry - Math 111
- Salt Lake Community College – College Algebra/Pre-Calculus – Math 2030
- Snow College - Trigonometry - Math 1060
- Southern Utah University - Trigonometry - Math 1060
- University of Utah - Trigonometry - Math 1060
- Utah State University - Trigonometry - Math 1060
  - UMEP - Contact the program director.
- Utah Tech University - Trigonometry - Math 1060
- Utah Valley University - Trigonometry - Math 1060
- Weber State University - Trigonometry - Math 1060
- Westminster College - College Algebra - Math 142

## Calculus I

- Brigham Young University - Calculus I - Math 112
- Salt Lake Community College – Calculus 1 – Math 2100
- Snow College - Calculus I - Math 1210
- Southern Utah University - Calculus I - Math 1210
- University of Utah - Calculus I - Math 1210
- Utah State University - Calculus I - Math 1210
  - UMEP - Calculus I - Math 4910-A
- Utah Tech University - Calculus I - Math 1210
- Utah Valley University - Calculus I - Math 1210
- Weber State University - Calculus I - Math 1210
- Westminster College - Calculus I - Math 201

## Algebra for Secondary Mathematics Teaching

- Brigham Young University - Contact the program director.
- Salt Lake Community College – Algebra for Secondary Mathematics Teaching – Math 2130
- Snow College - Contact the program director.
- Southern Utah University - Math for Secondary Education I - Math 3010
- University of Utah - Algebra for Secondary Mathematics Teaching - Math 3430
- Utah State University - Pedagogical Foundations of Algebra - Math 3010
  - UMEP - Algebra for Secondary Mathematics Teaching - Math 3010
- Utah Tech University - Algebra for Secondary Mathematics Teaching - Math 3010
- Utah Valley University - Algebra for Secondary Mathematics Teaching or Algebra for Middle School Mathematics Teaching - Math 3030 or Math 290R
- Weber State University - Algebra - MTHE 3115
- Westminster College - Contact the program director.

## Geometry for Secondary Mathematics Teaching

- Brigham Young University - Survey of Geometry or Euclidean Geometry: Content, Learning, and Teaching - MthEd 362 or MthEd 562
- Salt Lake Community College – Geometry for Secondary Mathematics Teaching – Math 2110
- Snow College - Contact the program director.
- Southern Utah University - Math for Secondary Education II - Math 3020
- University of Utah - Geometry for Secondary Mathematics Teaching - Math 3420
- Utah State University - Geometry for Secondary Mathematics Teaching or Geometry for Middle School Mathematics Teaching - Math 4030 or Math 290R
  - UMEP - Geometry for Secondary Mathematics Teaching - Math 5010 or Math 3110
- Utah Tech University - Geometry and Statistics for Secondary Mathematics Teaching - Math 3020
- Utah Valley University - Geometry for Secondary Mathematics Teaching or Geometry for Middle School Mathematics Teaching - Math 4030 or Math 290R
- Weber State University - Geometry - MTHE 3117 or MATH 3120
- Westminster College - Contact the program director.

## Statistics for Secondary Mathematics Teaching

- Brigham Young University - Teaching Statistics and Probability - MthEd 301
- Salt Lake Community College - Statistics and Probability for Secondary Mathematics Teaching – Math 2120
- Snow College - Contact the program director.
- Southern Utah University - Contact the program director.
- University of Utah - Statistics for Secondary Mathematics Teaching - Math 3410
- Utah State University - Statistics and Probability for Secondary Mathematics Teaching - Stat 4010
  - UMEP - Statistics for Secondary Mathematics Teaching - STAT 4010
- Utah Tech University - Contact the program director.

- Utah Valley University - Statistics & Probability for Secondary Mathematics Teaching or Statistics & Probability for Middle School Mathematics Teaching - Math 4040 or Math 290R
- Weber State University - Probability and Statistics - MTHE 3060 or MATH 3410
- Westminster College - Contact the program director.

## Microcredentials

[Algebra for Secondary Mathematics Teaching](#)

[Geometry for Secondary Mathematics Teaching](#)

[Statistics and Probability for Secondary Mathematics Teaching](#)

## Requirement Area 2:

## Special Education Mathematics Dispositions, Skills, and Pedagogy

### Microcredential

[Special Education Math Course for Secondary Teaching](#)

## Special Education Mathematics Course for Secondary Teaching

- Contact USBE Special Education Secondary Mathematics Specialist