

Middle School Mathematics Endorsement Competencies & Requirements

Purpose

The Middle School Mathematics endorsement can be attached to an Educator License with an Elementary or Secondary area of concentration. Candidates who currently hold a Utah Educator License and meet all of the requirements of the Middle School Mathematics endorsement are approved to teach:

- 6th Grade Mathematics
- 7th Grade Mathematics
- 7th Grade Honors Mathematics
- 8th Grade Mathematics
- 8th Grade Honors Mathematics
- Secondary Math I
 - Only for Secondary Educator License holders
- Secondary Math I Extended
 - Only for Secondary Educator License holders

Endorsement Requirements

The Middle School Mathematics endorsement has the following 2 competency 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 passing the Praxis 5161 OR Praxis 5165 with a passing score, 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: Middle School Mathematics Dispositions, Skills, and Pedagogy can be met through earning a bachelor's degree in mathematics education, 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 Microcredential Stacks, or completing specific university/college courses.

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](#)

[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](#)

Middle School Mathematics Endorsement Requirement Options

Requirement Area 1: Middle School Mathematics Content Knowledge

College 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
 - Utah Passing Score 160

OR

- Praxis 5165
 - 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
- 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
- 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
- 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

Requirement Area 2: Middle School Mathematics Dispositions, Skills, and Pedagogy

College Degree

University degree in Mathematics Education.

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

Microcredentials

[Algebra for Secondary Mathematics Teaching](#)

[Geometry for Secondary Mathematics Teaching](#)

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

[Secondary Mathematics Methods](#)

University Courses

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

[Algebra for Secondary Mathematics Teaching](#)

- Brigham Young University - Contact the program director.
- 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 from a Teaching Perspective - Mthe 4110
- 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
- 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 from a Teaching Perspective - Mthe 2120 or Mthe 3070
- Westminster College - Contact the program director.

Statistics for Secondary Mathematics Teaching

- Brigham Young University - Teaching Statistics and Probability - MthEd 301
- 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 from a Teaching Perspective - Mthe 3060
- Westminster College - Contact the program director.

Methods of Teaching Secondary Mathematics

- Brigham Young University - Mathematics Teaching in the Public Schools AND Practicum in Mathematics Education - MathEd 377 AND MathEd 378
- Snow College - Contact the program director.
- Southern Utah University - Methods of Teaching Secondary Mathematics - Math 4900
- University of Utah - Methods of Teaching Secondary Mathematics - Math 4090
- Utah State University - Methods for Teaching Middle Level Mathematics or Methods for Teaching Mathematics - Teal 4630 OR Teal 6630 OR Math 4500 OR Math 6500
 - UMEP - Methods of Teaching Secondary Mathematics - Math 4500
- Utah Tech University - Methods Teach Secondary Mathematics - Math 4500
- Utah Valley University - Methods of Secondary School Mathematics Teaching OR Methods of Middle School Mathematics Teaching - Math 3010 or Math 290R
- Weber State University - Methods and Technology for Teaching Secondary Mathematics - Mthe 3010
- Westminster College - Methods of Teaching Secondary School Math - Educ 387