Utah State Board of Education

SECONDARY MATHEMATICS ENDORSEMENT

Application for the Utah State Board of Education

Applicant Information

Name: _____ CACTUS ID: _____

E-mail: _____

Purpose

The purpose of this Secondary Mathematics Endorsement, when attached to a Secondary Educator License, verifies that the individual has the skills and knowledge necessary to teach all secondary mathematics courses.

Note: Qualifications for teaching Concurrent Enrollment (CE) coursework require approval by an LEA's partner Institution of Higher Education as defined by UT Code 53E-10-301.

Endorsement Requirement Areas

The Secondary Mathematics Endorsement has the following 2 competency areas:

- Area #1: Mathematics Content Knowledge
- Area #2: Dispositions, Skills, and Pedagogy

An applicant may qualify for a **Professional Endorsement** when they have demonstrated competency in all requirements for both Area #1 and Area #2.

An applicant may qualify for an **Associate Endorsement** when they have:

- Demonstrated competency in at least one of the two areas

OR

- Completed at least 9 credit hours of coursework towards the Endorsement (or other competency area equivalent).

For more information regarding endorsement requirements including the National Board Certification, the Presidential Award for Excellence in Mathematics and Science Teaching, and a list of approved courses and their corresponding course

numbers from Utah Institutions of Higher Education, please see the Secondary Mathematics Endorsement Specifications.

Area #1: Mathematics Content Knowledge

The requirements for Area #1: Mathematics Content Knowledge can be met through earning a bachelor's degree in mathematics or a related field, or passing the GRE Mathematics Subject Exam, or completing specific university/college courses.

Please indicate the way you have met the requirements for Area #1 by selecting the appropriate checkbox and entering the corresponding information.

☐ I have earned a bachelor's degree in mathematics or a related field.

- Name of University/College: _____
- Degree Earned: _____
- Year of Graduation: _____

OR

☐ I have passed the GRE Mathematics Subject Exam with a score of 515 or higher.

- Date Completed: _____
- Score: _____

OR

☐ I have passed the following university/college courses to demonstrate competency for Mathematics Content Knowledge:

College Algebra

☐ College Algebra Course

University: _____

Course name: _____

Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Calculus 1 Course

University: _____

Course name: _____

Course code: _____ Semester/Year: _____ Grade: _____

Trigonometry

☐ Trigonometry Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Calculus 1 Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Calculus I

☐ Calculus 1 Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Conceptual Calculus Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Calculus II

☐ Calculus II Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Multivariable Calculus

☐ Multivariable Calculus Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Linear Algebra

☐ Linear Algebra Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Non-Introductory Statistics

☐ Non-Introductory Statistics Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Non-Introductory Probability and Statistics Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Statistics and Probability for Secondary Mathematics Teachers Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Advanced Calculus

☐ Advanced Calculus Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Introduction to Analysis Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Euclidean and Non-Euclidean Geometry

☐ Euclidean and Non-Euclidean Geometry Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Geometry for Secondary Mathematics Teaching Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Differential Equations

☐ Differential Equations Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Mathematical Modeling Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

Area #2: Secondary Mathematics Dispositions, Skills, and Pedagogy

The requirements for Area #2: Secondary Mathematics Dispositions, Skills, and Pedagogy can be met through earning a bachelor's degree in mathematics education, or earning a National Board Certification in Adolescence and Young Adulthood in Mathematics (NBCT AYA), or earning a Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST), or completing specific university/college courses, or completing specific Microcredential Stacks.

Please indicate the way you have met the requirements for Area #2 by selecting the appropriate checkbox and entering the corresponding information:

☐ I have earned a university/college degree in mathematics education

- Name of University/College: _____
- Degree Earned: _____
- Year of Graduation: _____

OR

☐ I have earned a National Board Certification in Adolescence and Young Adulthood in Mathematics (NBCT AYA)

- Year Completed: _____

OR

☐ I have earned a Presidential Award for Excellence in Mathematics and Science Teaching (PAEMST)

- Finalist or Awardee: _____
- Year Completed: _____

OR

☐ I have passed the following university/college courses or completed Microcredential Stacks to demonstrate competency for Secondary Mathematics Dispositions, Skills, and Pedagogy:

Algebra for Secondary Mathematics Teaching

☐ Algebra for Secondary Mathematics Teaching Course

University: _____

Course name: _____

Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Algebra for Secondary Mathematics Teaching Microcredential Stack

Microcredential Courses: Building Procedural Fluency from Conceptual Understanding, Eliciting and Using Evidence of Student Thinking, Establishing Goals to Focus Learning, Facilitating Meaningful Mathematical Discourse, Implementing Tasks that Promote Reasoning and Problem Solving, Posing Purposeful Questions, Supporting Productive Struggle in Learning Mathematics, Using and Connecting Mathematical Representations

Month/Year Posted in MIDAS: _____

Geometry for Secondary Mathematics Teaching

☐ Geometry for Secondary Mathematics Teaching Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Geometry for Secondary Mathematics Teaching Microcredential Stack
Microcredential Courses: Content Standards, Connection to Other Standards, History, Misconceptions, Pedagogy, Technology

Month/Year Posted in MIDAS: _____

Statistics and Probability for Secondary Mathematics Teaching

☐ Statistics and Probability for Secondary Mathematics Teaching Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Statistics for Secondary Mathematics Teaching Microcredential Stack
Microcredential Courses: Assessment, Conceptual Underpinnings, Statistical Habits of Mind, Misconceptions, Statistical Literacy, Technology

Month/Year Posted in MIDAS: _____

Secondary Mathematics Teaching Methods

☐ Secondary Mathematics Teaching Methods Course
University: _____
Course name: _____
Course code: _____ Semester/Year: _____ Grade: _____

OR

☐ Secondary Mathematics Methods Microcredential Stack
Microcredential Courses: Mathematical Modeling, Pedagogy, Reflective Assessment, Standards, Standards Progression, (Mathematical Educational) Technology

Month/Year Posted in MIDAS: _____

OR

☐ I have 3 or more years of experience teaching Secondary Mathematics

- Complete the Verification of Educator Experience Form as evidence of demonstrating competency for this requirement and include with required documentation.

Applicant's Signature

I certify that the information contained in this application is true.

☐ I have submitted any required documentation such as original transcripts, MIDAS transcripts, etc.

☐ Electronic transcripts must be sent directly from the College/University clearinghouse to the USBE Licensing Department at transcripts@schools.utah.gov.

Educator Signature: _____ Date: _____

Application Submission

Please submit application online in the Utah Educator Licensing Application system, Survey Monkey Apply (https://usbelicensing.smapply.us).