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ELEMENTARY MATHEMATICS ENDORSEMENT

Application for the Utah State Board of Education

Applicant Information

Name: _____ CACTUS ID#: _____

E-mail: _____

Purpose

The Elementary Mathematics Endorsement may be added to a Utah Educator License with an Early Childhood, Elementary, or Special Education area of concentration. The purpose of the Elementary Mathematics Endorsement courses is to ensure that practicing teachers gain the mathematical content knowledge and pedagogical content knowledge (PCK) (Ball, Thames, & Phelps, 2008) needed to teach mathematical concepts to students in the elementary grades.

The Elementary Mathematics Endorsement deepens knowledge of K-6 content and allows educators to attain personal content knowledge of 7th and 8th grade concepts to understand the progression of where elementary students are headed in their middle school learning. The Elementary Mathematics Endorsement does NOT endorse educators to teach in middle school settings. A Middle School Mathematics Endorsement is required to teach 7th and 8th grade mathematics.

Select Endorsement Type: Please check one

- This application is for a Professional ELEMENTARY MATHEMATICS ENDORSEMENT
- This application is for an Out of State Licensure Applicant.

Instructions for Completing the Application:

1. Complete the ELEMENTARY MATHEMATICS ENDORSEMENT Application by **filling in the table** demonstrating how you have completed at least one option for each of the 5 requirement areas.
2. Email completed application and required documentation to licensing@schools.utah.gov. Attach documentation to the email (e.g., MIDAS Transcript, certificates) and submit necessary University transcripts.

ENDORSEMENT REQUIREMENTS:

The ELEMENTARY MATHEMATICS ENDORSEMENT has the following 5 requirement areas:

- a) Number and Operations
- b) Rational Numbers and Proportional Reasoning
- c) Geometry, Measurement, and Data
- d) Algebraic Reasoning
- e) Assessment and Intervention

Each requirement may be earned by taking university courses, USBE courses, earning a master's degree in elementary mathematics, or by completing a required stack of Microcredentials.

If Taking Utah-Based University or USBE Courses Approved by USBE:

1. Courses are to be at least 3 credits.
2. Courses are to be taken within eight (8) years of the date of this application.
3. University/USBE courses must follow the [USBE course frameworks](#).
4. Applicants must earn a C or higher in the course(s) taken.

Endorsement Requirement Areas Checklist

For a list of approved evidence of competency options that meet the endorsement requirements, please visit: [Elementary Mathematics Approved Competency Options](#).

Requirement Area (Aligned Area Competency hyperlink to more details below)	University/USBE Course Evidence: If this option is used the application must include a transcript for each course below	Microcredential Stack Evidence: If this option is used the application must include the PDF copy of the MIDAS Transcript for each stack listed below	Master's Degree Evidence: If this option is used the application must include a transcript with the degree posted
Number and Operations competencies	Mathematics for Teaching K-6 Number and Operations Institution _____ Course Code _____ Year _____ Grade ____	<input type="checkbox"/> Stack of Microcredentials (Number and Operations) <ul style="list-style-type: none"> ● Early Number Concepts ● Place Value ● Whole Number Addition and Subtraction ● Whole Number Multiplication and Division ● Fluency 	Master's Degree in Elementary Mathematics University _____ Year _____
Rational Numbers and Proportional Reasoning competencies	Mathematics for Teaching K-6 Rational Numbers and Proportional Reasoning Institution _____ Course Code _____ Year _____ Grade ____	<input type="checkbox"/> Stack of Microcredentials (Rational Numbers and Proportional Reasoning) <ul style="list-style-type: none"> ● Early Fraction Concepts ● Fraction Concepts ● Decimal and Percent Concepts ● Comparison and Equivalence with Rational Numbers ● Addition and Subtraction with Rational Numbers ● Multiplication and Division with Rational Numbers ● Proportional Relationships 	
Geometry, Measurement, and Data competencies	Mathematics for Teaching K-6 Geometry and Measurement Institution _____	<input type="checkbox"/> Stack of Microcredentials (Geometry, Measurement, and Data) <ul style="list-style-type: none"> ● Visualization, Composition, and Decomposition of Geometric Shapes ● Understand and Implement Concepts of Measurement 	

	<p>Course Code _____ Year _____ Grade ____</p> <p style="text-align: center;">AND</p> <p style="text-align: center;">Mathematics for Teaching K-6 Data Analysis and Problem Solving</p> <p>Institution _____ Course Code _____ Year _____ Grade ____</p>	<ul style="list-style-type: none"> ● Analyze Characteristics and Properties of 2-D and 3-D Figures ● Coordinate Plane ● Data Analysis and Problem Solving 	
<p>Algebraic Reasoning competencies</p>	<p style="text-align: center;">Mathematics for Teaching K-6 Algebraic Reasoning</p> <p>Institution _____ Course Code _____ Year _____ Grade ____</p>	<ul style="list-style-type: none"> □ Stack of Microcredentials (Algebraic Reasoning) <ul style="list-style-type: none"> ● Algebraic Notation, Equality, Inequality, and Relational Thinking ● Algebraic Properties and Conjectures ● Patterns 	
<p>Assessment and Intervention competencies</p>	<p style="text-align: center;">Mathematics for Teaching K-6 Assessment and Intervention</p> <p>Institution _____ Course Code _____ Year _____ Grade ____</p>	<ul style="list-style-type: none"> □ Stack of Microcredentials (Assessment and Intervention) <ul style="list-style-type: none"> ● Multi-tiered System of Supports ● Equitable Assessment Practices 	

Applicant's Signature

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

I have attached any required MIDAS transcripts.

I have submitted original transcripts. Please note that copies are not acceptable. **OR** I have requested electronic transcripts to be sent directly from the university/college to transcripts@schools.utah.gov

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The application is complete and approved.

The application is incomplete and not approved for the following reason(s):

ENDORSEMENT SPECIALIST: _____ Date Reviewed and Returned to Licensing: _____