

Middle School Math Endorsement, Certificate of Proficiency

The Middle School Math Endorsement Certificate program is designed for individuals who plan to teach Mathematics at the middle school level. It prepares individuals to become state certified Mathematics teachers in 6th Grade Math through Secondary Math 1 Extended. Individuals who complete the certificate program will develop an understanding of pedagogical approaches appropriate for middle school students while solidifying their mathematical content knowledge. Furthermore, the Middle School Math Endorsement Certificate program can be completed in addition to a B.S. in Elementary Education or a B.S. in Secondary Education with another content (major) area. The certificate program provides flexibility in meeting the needs of in-service Elementary, Middle, Junior High, and High School teachers. This Certificate Program is intended for: - Current Elementary or Special Education majors who desire a Middle School Mathematics Endorsement - Current Secondary Education majors with a different primary endorsement area who desire a Middle School Mathematics Endorsement - Already licensed teachers (Elementary or Secondary) who desire a Middle School Mathematics Endorsement

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		23
Discipline Core		23 Credits
MATH 1050	College Algebra QL	4
MATH 1060	Trigonometry QL	3
MATH 1210 or MATH 2030	Calculus I QL Calculus for Middle School Mathematics Teachers	4
MATH 3030	Algebra for Secondary Mathematics Teaching	3
MATH 3050	Geometry for Middle School Mathematics Teaching	3
MATH 3060	Statistics and Probability for Middle School Mathematics Teaching	3
MATH 3090	Methods of Middle School Mathematics Teaching	3

Graduation Requirements

1. Completion of a minimum of 23 credits.
2. Overall grade point average of 3.0 (B) or above.
3. Residency hours -- minimum of 12 credit hours through course attendance at UVU

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (<http://www.uvu.edu/wolverinetrack/>).

First Year		Credit Hours
Semester 1		
MATH 1050	College Algebra QL	4
Credit Hours		4
Semester 2		
MATH 1060	Trigonometry QL	3
Credit Hours		3
Second Year		
Semester 1		
MATH 1210 or MATH 2030	Calculus I QL or Calculus for Middle School Mathematics Teachers	4
Credit Hours		4
Semester 2		
MATH 3030	Algebra for Secondary Mathematics Teaching	3
Credit Hours		3
Third Year		
Semester 1		
MATH 3050	Geometry for Middle School Mathematics Teaching	3

MATH 3060	Statistics and Probability for Middle School Mathematics Teaching	3
	Credit Hours	6
Semester 2		
MATH 3090	Methods of Middle School Mathematics Teaching	3
	Credit Hours	3
	Total Credit Hours	23

Program Learning Outcomes

1. Demonstrate conceptual understanding of the mathematics they will teach in 6th Grade Math through Secondary Math 1 Extended;
2. Create developmentally-appropriate lesson plans that incorporate national and state standards for mathematics education;
3. Evaluate technology as to its ability to enhance their students' development of mathematical thinking; and
4. Examine the development of mathematics with respect to culture and history.