



CONTACT US

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ELEMENTARY MATH SPECIALIST CERTIFICATE



Program Description

The Graduate Certificate in Elementary Mathematics Specialist (EMS) provides a 24 hour graduate-level experience for educators, specifically early, elementary, or middle school teachers or curriculum directors. The EMS graduate certificate is designed for practicing teachers (with at least 1 year of experience teaching elementary or middle school). This track is part of a statewide mathematics specialist certification in collaboration with other Missouri Universities and culminates with a certification as an elementary mathematics specialist (EMS) through the state of Missouri.

Elementary Mathematics Specialist (EMS) professionals can serve students and schools in a variety of ways including as instructional leaders, math coaches, classroom teachers, lead or mentor teachers, and school or district-based mathematics specialists.

Entrance Criteria

To be considered for the program, elementary or middle school teachers must be currently teaching with at least 1 year of classroom experience, strong interest in enhancing mathematics content and pedagogical preparation, and commitment to completing the requirements of the program in a 2-year period as part of a graduate cohort.



Required Courses

- ELE 734-Internship in Algebraic Reasoning 1 hr
- ELE 736-Foundations of Mathematical Leadership for EMS 2 hrs
- ELE 737-Math Leadership for Elem Math Specialists (EMS): Influencing & Facilitating Improvements 3 hrs
- ELE 738-Internship in Geometry and Measurement 1 hr
- ELE 730-Internship for Number & Operations 1 hr
- MTH 754-Algebraic Reasoning for EMS 3 hrs
- MTH 758-Data and Probability for EMS 3 hrs
- MTH 760-Geometry and Measurement for EMS 3 hrs
- MTH 750-Number & Operations for EMS 3 hrs

