

# Graduate Certificate in Elementary Mathematics Specialist

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The program is designed for inservice K-6 teachers interested in pursuing advanced learning experiences and training to increase their knowledge and skill to teach or lead others in teaching mathematics in elementary classrooms. That is, the program is designed for teachers currently working full time.

## Requirements

The EMS graduate certificate program includes five integrated mathematics content/pedagogy courses, each with an attached internship and two leadership development courses (total of 24 credits). The courses will be offered over a 2-year cycle beginning in the Fall semester (6 semesters of part-time student effort).

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| LTC 8871 | Teaching and Learning Number/<br>Operations Advanced        | 3 |
| LTC 8881 | Internship - Number and Operations in<br>Elementary Schools | 1 |
| LTC 8872 | Teaching and Learning Rational Number<br>Advanced           | 3 |
| LTC 8882 | Internship - Rational Numbers in<br>Elementary Schools      | 1 |
| LTC 8876 | Teaching Data Analysis and<br>Mathematical Modeling         | 3 |
| LTC 8877 | Foundations of Mathematics Leadership<br>in Elem Schools    | 2 |
| LTC 8874 | Teaching and Learning Algebraic<br>Reasoning Advanced       | 3 |
| LTC 8884 | Internship - Algebraic Reasoning in<br>Elementary Schools   | 1 |
| LTC 8873 | Teaching and Learning Geometry and<br>Measurement Advanced  | 3 |
| LTC 8883 | Internship - Geometry/Measurement in<br>Elementary Schools  | 1 |
| LTC 8878 | Mathematical Leadership for Elementary<br>Schools Advanced  | 3 |

## For information about certificate, contact Dr. Barbara Reys:

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