

# GRADUATE CERTIFICATE FOR ELEMENTARY MATHEMATICS SPECIALIST

COLLEGE OF  
EDUCATION,  
HEALTH &  
AVIATION

**The Graduate Certificate for Elementary Mathematics Specialist** allows students the opportunity to complete requirements for the elementary mathematics specialist add on certification through the Oklahoma State Department of Education. The program is designed specifically for students who already hold initial teacher certification and who may already hold a master's degree. Those who don't yet hold a master's degree may apply course credit toward the Master of Science in Teaching, Learning and Leadership, option in mathematics/science education.

## APPLICATION PROCESS

To be considered for admission to the program, applicants must complete and submit the following:

- ▷ OSU Graduate College application online at [grad.college.okstate.edu/apply](http://grad.college.okstate.edu/apply)
- ▷ Non-refundable application fee
- ▷ Transcripts from all previously attended institutions.
- ▷ A written statement of goals
- ▷ Academic vita/resume

## ADMISSION REQUIREMENTS

Applications are reviewed on a rolling basis. Applicants will be notified of admission status within four to six weeks of submission. To be considered for admission to the program, applicants must have:

- ▷ Bachelor's degree from an education-related program from an accredited institution with a 3.0 minimum GPA
- ▷ Current teaching certificate

## COURSEWORK

Successful completion of the program requires 18 credit hours (four courses) of graduate-level coursework. Credit hours are transferable to additional graduate degree programs, including the Master of Science in Teaching, Learning and Leadership, option in mathematics and science education.

- ▷ SMED 5253 Teaching Rational Number Concepts, Proportional Reasoning and Classroom Interactions
- ▷ SMED 5273 Number Concepts and Assessment at the Elementary Level (PK-6)
- ▷ SMED 5913 Teaching Geometry and Spatial Visualization
- ▷ SMED 5913 Teaching Algebra and Mathematical Tasks
- ▷ SMED 5933 Teaching Data and Probability in Schools
- ▷ SMED 5943 Mathematics Leadership and Coaching (includes a minimum of 30 hours of field experience)

Each of these courses are tied directly to the State EMS standards.

## MORE INFORMATION

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[education.okstate.edu/smed/](http://education.okstate.edu/smed/)



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