TEACHING, LEARNING AND LEADERSHIP: MATHEMATICS/SCIENCE EDUCATION, MS

Requirements for Students Matriculating in or before Academic Year 2023-2024. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 36

<table>
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<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tr>
<td>CIED 5053</td>
<td>Curriculum Issues</td>
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<td>CIED 5813</td>
<td>Educational Advocacy and Leadership</td>
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Research Requirement

Select 6 hours from the following: 6

- CIED 5073 Pedagogical Research
- MATH 5913 Introduction to Research in Mathematics Education
- REMS 5013 Research Design and Methodology
- REMS 5953 Statistical Methods in Education
- STAT 5013 Statistics for Experimenters I
- SCFD 5913 Introduction to Qualitative Inquiry

Hours Subtotal 6

Program Core

- SMED 5750 Seminar in Mathematics Education 3
- SMED 5193 Inquiry and Problem-Based Learning in Science Education 3
  or SMED 5283 Problem-Centered Learning in Mathematics

Hours Subtotal 6

Areas of Emphasis

Select 12 hours 12

Hours Subtotal 12

Elective or Thesis

Select 6 hours 6

- SMED 5050 Seminar in Integrated Mathematics and Science Applications
- SMED 5193 Inquiry and Problem-Based Learning in Science Education
- SMED 5223 Teaching Science in the Schools
- SMED 5243 Environmental Education in the Curriculum
- SMED 5253 Teaching Rational Number Concepts, Proportional Reasoning, and Classroom Interactions
- SMED 5263 Assessment and Evaluation in School Mathematics
- SMED 5270 Practicum in School Mathematics
- SMED 5273 Number Concepts and Assessment at the Elementary Level (PK-6)
- SMED 5280 Workshop in Science Education
- SMED 5283 Problem-Centered Learning in Mathematics

Hours Subtotal 6

Graduate College Master's Program Requirements

Learn more about Graduate College 2023-2024 Master's Degree Program Requirements (http://catalog.okstate.edu/graduate-college/). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.