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

Requirements for Students Matriculating in or before Academic Year 2022-2023. Learn more about Graduate College Academic Regulation 7.0 (http://catalog.okstate.edu/graduate-college/#70).

Total Hours: 36

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>CIED 5053</td>
<td>Curriculum Issues</td>
<td>3</td>
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<tr>
<td>CIED 5813</td>
<td>Educational Advocacy and Leadership</td>
<td>3</td>
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<td><strong>Hours Subtotal</strong></td>
<td><strong>6</strong></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

**Total Hours** 36

Graduate College Master’s Program Requirements

Learn more about Graduate College 2022-2023 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.