## TEACHING, LEARNING AND LEADERSHIP: K-12 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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<tr>
<td><strong>Hours Subtotal</strong></td>
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<td><strong>6</strong></td>
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### Research Requirement
Select one research course and ensure three courses found in the common or program core that are designated with an asterisk (*) are selected.

- SCFD 5913 | Introduction to Qualitative Inquiry (OR)
- REMS 5013 | Research Design and Methodology (OR)
- CIED 5073 | Pedagogical Research (OR)
- REMS 5953 | Statistical Methods in Education

**Hours Subtotal:** 3

### Program Core
Select 3 hours from the following:

- CIED 5043 | Issues in Teaching *
- CIED 5343 | Introduction to K-12 English Language Learners
- CIED 5623 | Multicultural and Diversity Issues in Curriculum *
- CIED 5663 | Integrating Teaching in the Secondary School
- SMED 5183 | Social Justice by the Numbers: Learning to Teach Science & Math for Understanding & Equity
- SMED 5993 | Culturally Responsive Teaching in Special Education

**Hours Subtotal:** 6

### Areas of Emphasis
In consultation with an advisor, select 21 hours from the following:

- CIED 5713 | Teaching and Learning in the Secondary School
- CIED 5350 | The Visual Arts in the Curriculum
- CIED 5153 | Advanced Studies in Children’s Literature
- CIED 5353 | Literature for Children, Adolescents and Adults
- CIED 5443 | Teaching Reading with Literature
- CIED 5513 | Young Adult Literature
- CIED 5173 | Kindergarten-Primary Curriculum
- CIED 5313 | Curriculum of the Elementary School
- CIED 5123 | Curriculum in the Secondary School
- CIED 5143 | Language Arts in the Curriculum
- CIED 5183 | Media Literacy Across the Curriculum
- CIED 5433 | Reading and Writing in the Content Areas
- CIED 5463 | Reading Assessment and Instruction
- CIED 5473 | Reading & Writing Difficulties
- CIED 5483 | Literacy and Technology Across the Curriculum
- CIED 5553 | Literacy Leadership and Coaching
- CIED 5733 | History of Reading
- CIED 5843 | First and Second Language Acquisition for Teachers
- CIED 5863 | Foreign Language Instruction, Curriculum and Assessment: Grades Pk-12
- CIED 5423 | Practicum II: Advanced Literacy Interventions
- CIED 5493 | Multisensory Phonics Instruction
- SMED 5050 | Seminar in Integrated Mathematics and Science Applications
- 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 5283 | Problem-Centered Learning in Mathematics
- SMED 5293 | Teaching and Learning Mathematics in Technology *
- SMED 5913 | Teaching Geometry and Spatial Visualization
- SMED 5923 | Teaching Algebra and Mathematical Tasks
- SMED 5933 | Teaching Data and Probability in Schools
- SMED 5943 | Mathematics Leadership and Coaching
- SMED 5203 | Teaching the Nature of Science Through and Inquiry Approach
- SMED 5713 | Teaching and Learning Science in the Secondary School
- SMED 5193 | Inquiry and Problem-Based Learning in Science Education
- SMED 5223 | Teaching Science in the Schools
- SMED 5050 | Seminar in Integrated Mathematics and Science Applications
- SMED 5243 | Environmental Education in the Curriculum
- SMED 5280 | Workshop in Science Education
- SMED 5313 | Introduction to K-12 Engineering Education
- SMED 5323 | Technology for the K-12 STEM Educator
- SMED 5333 | Developing Informal and Formal STEM Programs in Schools
- CIED 5323 | Teaching Social Studies in the Schools
- SPED 5623 | Characteristics of Students with Mild/Moderate Disabilities
- SPED 5743 | Planning, Compliance and Current Practices
<table>
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<th>Course Code</th>
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<tr>
<td>SPED 5883</td>
<td>Classroom and Behavior Management</td>
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<tr>
<td>SPED 5993</td>
<td>Culturally Responsive Teaching in Special Education</td>
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<td>CIED 5720</td>
<td>Education Workshop</td>
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<td>CIED 5730</td>
<td>Seminar in Education</td>
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<td>CIED 5373</td>
<td>Design and Management of the Elementary School Classroom</td>
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<td>CIED 5893</td>
<td>Reading Processes and Practices GR 1-8</td>
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<td>SMED 5013</td>
<td>Mathematics Education: Theory and Practice(Grade 1-4)</td>
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<td>SMED 5083</td>
<td>Teaching Science in the Elementary School (Grades 1-8)</td>
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<td>CIED 5333</td>
<td>Effective Classroom Management for Secondary Schools</td>
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<td>CIED 5363</td>
<td>Effective Teaching Strategies for the 6-12 Classroom</td>
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<td>CIED 5010</td>
<td>Practicum for Early Career Secondary Teachers</td>
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<tr>
<td>CIED 5403</td>
<td>Teaching and Learning in the Secondary Schools: English Language Arts Methods</td>
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<td>CIED 5413</td>
<td>Teaching and Learning in the Secondary Schools: Social Studies Methods</td>
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<tr>
<td>SMED 5153</td>
<td>Methods for Teaching Secondary Math</td>
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<td>SMED 5143</td>
<td>Methods for Teaching Secondary Science</td>
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**Graduate College Master's Program Requirements**

Learn more about Graduate College 2022-2023 Master's Degree Program Requirements ([http://catalog.okstate.edu/graduate-college/](http://catalog.okstate.edu/graduate-college/)). Check the General Graduate College academic regulations for minimal GPA, language proficiency and other general requirements.