COMPETENCY REQUIREMENTS

CANDIDATES FOR THIS CURRICULUM CONTENT OPTION SHOULD HAVE TEACHING CERTIFICATION, TEACHING EXPERIENCE OR BOTH. CANDIDATES SEEKING INITIAL CERTIFICATION SHOULD CONTACT THE SMTE COORDINATOR OR COLLEGE OF EDUCATION TO MAKE PLANS FOR CERTIFICATION AS LEVELING WORK.

Leveling work within Mathematics:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>5310</td>
<td>MATH 2305 DISCRETE MATHEMATICS</td>
<td>3</td>
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<tr>
<td>5310</td>
<td>MATH 2413 CALCULUS I</td>
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<tr>
<td>5310</td>
<td>MATH 3311 LINEAR ALGEBRA</td>
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CORE COURSES (15 HOURS)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>MATH 5325</td>
<td>STRUCTURE OF NUMBER CONCEPTS</td>
<td>3</td>
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<tr>
<td>MATH 5326</td>
<td>STRUCTURE OF PATTERNS &amp; ALGEBRA</td>
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<tr>
<td>MATH 5327</td>
<td>STRUCTURE OF GEOMETRY &amp; MEASUREMENT</td>
<td>3</td>
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<tr>
<td>MATH 5328</td>
<td>STRUCTURE OF PROBABILITY &amp; STATISTICS</td>
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<tr>
<td>MATH 5329</td>
<td>STRUCTURE OF MODELING W/RATES OF CHANGE</td>
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ELECTIVES (12 HOURS)

<table>
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<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 5321</td>
<td>PROBLEM SOLVING AND MATHEMATICAL REASONING FOR TEACHERS</td>
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<tr>
<td>MATH 5322</td>
<td>MATHEMATICS ASSESSMENT</td>
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<tr>
<td>MATH 5323</td>
<td>MATHEMATICS INSTRUCTION AND MENTORING</td>
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<td>MATH 5324</td>
<td>PRINCIPLES OF REFORMING MATHEMATICS INSTRUCTION</td>
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<tr>
<td>MATH 5331</td>
<td>EVOLUTION OF MATHEMATICAL SYSTEMS</td>
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<tr>
<td>MATH 5332</td>
<td>INTEGRATING TECHNOLOGY IN MATHEMATICS EDUCATION</td>
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REQUIRED COURSES (taken prior to choosing Thesis or Project)

<table>
<thead>
<tr>
<th>Course</th>
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<th>Credits</th>
<th>Grade</th>
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<tbody>
<tr>
<td>MATH 5993</td>
<td>LITERATURE REVIEW &amp; RESEARCH (1-9 SCH variable)</td>
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<tr>
<td>MATH 5994</td>
<td>PROPOSAL RESEARCH (1-3 credits) 3 SCH required</td>
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THESIS/PROJECT CHOOSE EITHER THESIS OR PROJECT

(1) THESIS
<table>
<thead>
<tr>
<th>Course</th>
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<tbody>
<tr>
<td>MATH 5995</td>
<td>THESIS</td>
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(2) PROJECT
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<td>MATH 5997</td>
<td>PROJECT</td>
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TOTAL HOURS 36

GPA (MIN. 3.0):