Master of Education (M.Ed.) in Curriculum and Instruction (C&I) with emphasis in STEM

The M.Ed. degree requires 36 credit hours

### Required Core Courses

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 602</td>
<td>Cultural Foundations of Education</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 644</td>
<td>Curriculum Development</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 673</td>
<td>Analysis of Teaching Behavior</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 634</td>
<td>Reflective Inquiry (must be taken during final semester)</td>
<td>3</td>
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<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>12</strong></td>
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</table>

### Departmental Required Electives

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Course Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDCI 620*</td>
<td>Science, Technology, Engineering and Mathematics (STEM) Teaching and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 720*</td>
<td>ENGR Design for School Teaching and Learning</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 721*</td>
<td>How People Learn STEM</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 723*</td>
<td>Developing Students' Disciplinary Language and Reading in STEM</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 726</td>
<td>History and Trends in STEM Education</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 627</td>
<td>Teaching and Learning Data Analysis and Uncertainty Concepts</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 722*</td>
<td>Microcontrollers for Educators</td>
<td>3</td>
</tr>
<tr>
<td>EDCI 724*</td>
<td>Science/Mathematics in Engineering-Physics Based</td>
<td>3</td>
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<td></td>
<td><strong>Total number of required elective hours</strong></td>
<td><strong>24</strong></td>
</tr>
</tbody>
</table>

|               | **Total number of hours for degree**                             | **36**       |

*Required courses for STEM certificate

*Currently being developed/undergoing approval process

For more information on the M.Ed. degree in C&I with emphasis in STEM please [visit our website](#).

### Contact

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