



**College of Human Sciences & Education**  
School of Education

**Master of Education (M.Ed.) in Curriculum and Instruction**  
**Mathematics Education Specialization**

The M.Ed. degree is a practitioner degree with an optional research component. The 36-credit-hour requirement may be met in one of three ways:

- (1) 30 hours of course work with a thesis carrying 6 credit hours;
- (2) 33 hours of course work with a research project carrying 3 credit hours; or
- (3) 36 hours of course work with a written comprehensive examination.

A minimum of 21 credit hours must be taken within the School of Education. A minimum of 18 hours must be at or above the 7000 level.

**Student Name:** \_\_\_\_\_ **Advisor:** \_\_\_\_\_

<b>Semester</b>	<p align="center"><b>CORE COURSES</b> (one from each category, or approved equivalent)</p> <p><b>Curriculum Studies</b> EDCI 7824 (3 credit hours) Elementary School curriculum EDCI 7825 (3 credit hours) Secondary School Curriculum EDCI 7901 (3 credit hours) Curriculum Theory</p> <p><b>Research</b> ELRC 4249 (3 credit hours) Understanding and Applying Research in Education ELRC 4006 (3 credit hours) Introduction to Applied Statistics in Educational Settings ELRC 7243 (4 credit hours) Qualitative Methods in Educational Research</p> <p><b>Technology</b> ELRC 4507 (3 credit hours) Computer Technology in Education ELRC 4535 (3 credit hours) Educational Telecommunications and the Internet ELRC 7505 (3 credit hours) Design and Development of Multimedia Instructional Units</p> <p><b>Humanistic and Behavioral Studies</b> EDCI 4800 (3 credit hours) Teaching in the Multicultural Classroom EDCI 7904 (3 credit hours) Education and Cognition EDCI 7106 (3 credit hours) Teaching Reading to Students of Diverse Cultural Backgrounds</p>			<p><b>3 hrs.</b></p> <p><b>3 hrs.</b></p> <p><b>3 hrs.</b></p> <p><b>3 hrs.</b></p>																				
	<p><b>Mathematics Education Area of Specialization (mathematics education and mathematics courses)</b> All students must take at least one mathematics education course. Regularly scheduled mathematics education courses on a 2-year cycle include EDCI 7109/7141, EDCI 7312, and EDCI 7309. Additional courses (e.g., EDCI 7921 by Webb) are offered on an occasional basis. All students (excepting those holding a master's in mathematics) are strongly encouraged to take at least one mathematics course. Area of specialization course work is to be determined in consultation with the major professor.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sem</th> <th style="width: 30%;">Institution/Rubric/Course Number</th> <th style="width: 55%;">Course Title</th> <th style="width: 10%;">CHs</th> </tr> </thead> <tbody> <tr> <td></td> <td>EDCI 7312</td> <td>Diagnostic and Prescriptive Teaching in Mathematics</td> <td align="center">3</td> </tr> <tr> <td></td> <td>EDCI 7109/7141</td> <td>Studies in the Teaching of Mathematics in the Elementary/Secondary Schools</td> <td align="center">3</td> </tr> <tr> <td></td> <td>EDCI 7309</td> <td>The Culture of Mathematical Problem Solving</td> <td align="center">3</td> </tr> <tr> <td></td> <td>EDCI 7921 (Prof. Webb)</td> <td>Inquiry in Science &amp; Mathematics</td> <td align="center">3</td> </tr> </tbody> </table>			Sem	Institution/Rubric/Course Number	Course Title	CHs		EDCI 7312	Diagnostic and Prescriptive Teaching in Mathematics	3		EDCI 7109/7141	Studies in the Teaching of Mathematics in the Elementary/Secondary Schools	3		EDCI 7309	The Culture of Mathematical Problem Solving	3		EDCI 7921 (Prof. Webb)	Inquiry in Science & Mathematics	3	<p><b>12 hrs.</b></p>
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	<p><b>Electives</b> Electives, which may include further mathematics and/or mathematics education courses, are to be determined in consultation with the major professor. Electives may include courses outside the School of Education.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">Sem</th> <th style="width: 30%;">Institution/Rubric/Course Number</th> <th style="width: 55%;">Course Title</th> <th style="width: 10%;">CHs</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>			Sem	Institution/Rubric/Course Number	Course Title	CHs																	<p><b>6-12 hrs.</b></p>
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	<p><b>Final Exam</b> In accordance with Graduate School regulations, all students are required to take an examination prior to graduation from the program. This may be a written Comprehensive Examination at the end of the student's course work or an Oral Examination following the completion of the student's Thesis or Research Project. The Final Examinations carries no credit hours. Students opting for the Research Project must register for 3 credit hours of supporting coursework, and 6 credit hours for the Thesis:</p> <p style="margin-left: 40px;">For the non-thesis research project, the student will take one of the following: EDCI 7475 (3 credit hours) Research Project in Secondary or K-12 Teacher Education EDCI 7902 (3 credit hours) Analysis of Research on Teaching</p> <p style="margin-left: 40px;">For the thesis project, the student will take: EDCI 8000 (Thesis Research)</p>			<p><b>0 hrs.</b></p> <p><b>3 hrs.</b></p> <p><b>6 hrs.</b></p>																				
<b>Total Number of Credit Hours</b>				<b>36 Hours</b>																				