

## Curriculum Matrix

<b>M.S. Program in Mathematics Education</b>	<b>Outcome #1: Content</b> The Master's program will deepen and broaden teachers' understanding of mathematical content.	<b>Outcome #2: Research</b> The Master's program will develop teachers' understanding of mathematics education research in relationship to practice.	<b>Outcome #3: Leadership</b> The Master's program will develop teachers' skills as teacher-leaders in mathematics education.	<b>Outcome #4: Equity</b> The Master's program will develop teachers' abilities to address access and equity issues in the classroom.
<b>Math 610</b> Topics in Mathematics for Secondary Teachers: Analysis	P, D	NA	NA	NA
<b>Math 620</b> Topics in Mathematics for Secondary Teachers: Geometry	P, D	NA	NA	NA
<b>Math 630</b> Topics in Mathematics for Secondary Teachers: Foundations of Mathematics	P, D	NA	NA	NA
<b>Math 633</b> Topics in Mathematics for Secondary Teachers: Number Theory	P, D	NA	NA	NA
<b>Math 635</b> Topics in Mathematics for Secondary Teachers: Discrete Mathematics	P, D	NA	NA	NA
<b>Math 637</b> Topics in Mathematics for Secondary Teachers: History of Mathematics	I, P, D	NA	NA	NA
<b>Math 640</b> Topics in Mathematics for Secondary Teachers: Modern Algebra	P, D	NA	NA	NA

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<b>Math 650</b> Topics in Mathematics for Secondary Teachers: Probability and Statistics	<b>P, D</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Math 660</b> Topics in Mathematics for Secondary Teachers: Mathematical Modeling	<b>I, P, D</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>Math 698</b> Grad Advanced Topics in Math	<b>I, P, D</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>
<b>MTHE 601</b> Research in Mathematics Education	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>MTHE 680</b> Methods of research in Science Education	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>EDMA 610</b> Introduction to Inquiry in Education	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>EDCI 601</b> Curriculum Development and Instructional Design	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>EDCI 602</b> Assessment and Evaluation of Learning	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>EDCI 611</b> Analysis of Instruction	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>

<b>M.S. Program in Mathematics Education (continued, page 3)</b>	<b>Outcome #1: Content</b>  The Master's program will deepen and broaden teachers' understanding of mathematical content.	<b>Outcome #2: Research</b>  The Master's program will develop teachers' understanding of mathematics education research in relationship to practice.	<b>Outcome #3: Leadership</b>  The Master's program will develop teachers' skills as teacher-leaders in mathematics education.	<b>Outcome #4: Equity</b>  The Master's program will develop teachers' abilities to address access and equity issues in the classroom.
<b>EDCI 689</b> Professional Field Experience	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>EDUC 498</b> Special Topics	<b>NA</b>	<b>I, P, D</b>	<b>I, P, D</b>	<b>I, P, D</b>
<b>MTHE 690</b> Thesis/ Project Writing Seminar	<b>NA</b>	<b>P, D</b>	<b>P, D</b>	<b>P, D</b>
<b>Math 699T</b> Master's Study	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>
<b>Math 699P</b> Master's Project	<b>D</b>	<b>D</b>	<b>D</b>	<b>D</b>

**I = Introduce: Bring concept into use or operation for the first time.**  
**P = Practice: Perform (an activity) or exercise (a skill) repeatedly or regularly to improve or maintain one's proficiency.**  
**D = Demonstrate: Give a practical exhibition of how a skill is performed**