

SAMPLE M.Ed MMT – Mathematics Education Degree Plan

Group A (9 Hrs.): Recommended courses:	Hours	<p align="center">Group A (College of Education Core): Students must take one from each category:</p>																
1. CUIIN 6360: Principles of Curriculum Development	3		<p><u>Category 1: Historical/Cultural/Philosophical Foundations</u> ELCS 7365: Administration in Multicultural Settings CUIIN 6360: Principles of Curriculum Development CUST 6310: Multicultural Curriculum K-12 CUST 6311: Education in a Multicultural Society CUST 6360: Foundations of Educational Sociology HLT 6323: Cross-Cultural Aspects of Health CUST 6370: Cultural Foundations of American Education PEP 6321: Sport in Contemporary Society</p>															
2. EPSY 6340: Principles of Human Learning OR EPSY 6330 Human Growth and Development	3																	
3. CUIIN 6378: Instructional Evaluation	3																	
Group B (18 Hrs.): Area of Program Emphasis																		
1. CUIIN 7332: Models of Teaching and Learning Mathematics (REQUIRED)	3	<p><u>Category 2: Human Growth/Learning</u> EPSY 6330: Human Growth and Development EPSY 6340: Principles of Human Learning PEP 6340: Principles of Motor Learning</p>																
2. CUIIN 7340: Issues in Mathematics Education (REQUIRED)	3																	
3. CUIIN 6397: Developing Number Concepts	3																	
4. CUIIN 6340 Teach Geom Concepts/ Gr 6-12	3																	
5. CUIIN 6342 Teaching Prob & Stats Grades 6-12	3																	
6. CUIIN 7333 Developing Algebraic Thinking	3	<p><u>Category 3: Inquiry</u> CUIIN 6378: Instructional Evaluation EPSY 6300: Introduction to Educational and Psychological Measurement EPSY 6310: Introduction to Educational Research PEP 6305: Measurement in Health and Physical Education</p>																
Group C: Approved Electives – as determined by student and advisor.																		
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<p align="center">Group B (Program Area Emphasis):</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">CUIIN 7332 Models of Teaching and Learning Mathematics - REQUIRED</td> <td style="width: 50%;">CUIIN 6340 Teach Geom Concepts/ Gr 6-12</td> </tr> <tr> <td>CUIIN 7340 Issues in Mathematics Education - REQUIRED</td> <td>CUIIN 6342 Teaching Prob & Stats Grades 6-12</td> </tr> <tr> <td>CUIIN 6334 Mathematics for Young Children</td> <td>CUIIN 6346 Teaching Secondary Math with Technology</td> </tr> <tr> <td>CUIIN 6341 Teaching Math Problem Solving</td> <td>CUIIN 7333 Developing Algebraic Thinking</td> </tr> <tr> <td>CUIIN 6344 Teaching Mathematics In Grades 4-8</td> <td>CUIIN 7341 Assessing Mathematical Understanding</td> </tr> <tr> <td>CUIIN 6347 Teaching Math In Grades 7-12</td> <td>CUIIN 6398 Special Problems in Mathematics Education</td> </tr> <tr> <td>CUIIN 7334 Developing Proportional Reasoning</td> <td>ELED 6335 Teaching Mathematics in the Elementary Grades</td> </tr> <tr> <td></td> <td>CUIIN 6397 Special Topics in Mathematics Education</td> </tr> </table>			CUIIN 7332 Models of Teaching and Learning Mathematics - REQUIRED	CUIIN 6340 Teach Geom Concepts/ Gr 6-12	CUIIN 7340 Issues in Mathematics Education - REQUIRED	CUIIN 6342 Teaching Prob & Stats Grades 6-12	CUIIN 6334 Mathematics for Young Children	CUIIN 6346 Teaching Secondary Math with Technology	CUIIN 6341 Teaching Math Problem Solving	CUIIN 7333 Developing Algebraic Thinking	CUIIN 6344 Teaching Mathematics In Grades 4-8	CUIIN 7341 Assessing Mathematical Understanding	CUIIN 6347 Teaching Math In Grades 7-12	CUIIN 6398 Special Problems in Mathematics Education	CUIIN 7334 Developing Proportional Reasoning	ELED 6335 Teaching Mathematics in the Elementary Grades		CUIIN 6397 Special Topics in Mathematics Education
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