

## Master of Arts in Teaching Secondary Mathematics 9-12 (MAT) Program – Phase I

Courses		Credit
<b>Math</b>		
<b>(Choose One)</b> MTH 5004 MTH 5005 MTH 5006	Linear Algebra Matrix Theory Modern Algebra	3
<b>(Choose One)</b> MTH 5011 MTH 5012	Complex Variables Advanced Calculus for Secondary Teachers	3
<b>(Choose Three)</b> MTH 5001 MTH 5002 MTH 5003 MTH 5007 MTH 5008 MTH 5009 MTH 5010 MTH 5013 MTH 5040	Historical Development of Mathematics Combinatorics Graph Theory Number Theory Geometry Mathematical Models Topology Probability & Statistics Special Topics	9
<b>Education</b>		
EDU 5010	Advanced Instructional Technology for the 21 <sup>st</sup> Century	3
EDU 5040	Diversity in Education: Societal and Organizational Perspectives	3
EDU 5050	Classroom Organization and Management	3
EDU 5070 <b>OR</b> EDU 5080	Trends and Issues in Education <b>OR</b> Advanced Educational Psychology	3
EDU 5160	Instructional Planning and Assessment in Secondary Mathematics	3
<b>Capstone Experience</b>		
EDU 5166	Using Data for Instructional Improvement	3
EDU 5261	Clinical Internship in Secondary Mathematics	3
<b>Initial License in Secondary Mathematics Awarded after Passing Praxis II</b>		

## Master of Arts in Teaching Secondary Mathematics 9-12 (MAT) Program – Phase II

Courses		Credit
<b>MATH:</b> MTH 5099	Product of Learning	3
<b>EDUCATION:</b> EDU 5030 EDU 5060	Methods of Educational Research Developing Leaders in 21 <sup>st</sup> Century Systems	3 3
<b>“M” Level is added to the Initial License after Completion of Phase II</b>		

**Master of Arts in Teaching Secondary Mathematics 9-12 (MAT) Program**  
**Suggested Program of Study**  
*(This is a typical sequence of courses)*

<b>PHASE I</b>					
<b>Fall Semester Year 1</b>			<b>Spring Semester Year 1</b>		
	Math Course (1)	3		EDU 5010: Advanced Instructional Technology for the 21 <sup>st</sup> Century	3
	EDU 5040: Diversity in Education: Societal and Organizational Perspectives <i>(Or Spring of Year 1)</i>	3			
<b>Summer I (June) Year 1</b>			<b>Summer II (July) Year 1</b>		
	Math Course (2)	3		EDU 5050: Classroom Organization and Management	3
	Math Course (3)	3		EDU 5070: Trends and Issues in Education <b>OR</b> EDU 5080: Advanced Educational Psychology	3
<b>Fall Semester Year 2</b>			<b>Spring Semester Year 2</b>		
	Math Course (4)	3		EDU 5261: Clinical Internship in Secondary Mathematics	3
	Math Course (5)	3		EDU 5166: Using Data for Instructional Improvement	3
	EDU 5160: Instructional Planning and Assessment in Secondary Mathematics	3			

<b>PHASE II</b>					
<b>Summer or Fall Semester Year 3</b>			<b>Fall or Spring Semester Year 3</b>		
	EDU 5030: Methods of Educational Research	3		MTH 5099: Product of Learning	3
	EDU 5060: Developing Leaders in 21 <sup>st</sup> Century Systems	3			