

M.Ed. in Secondary Mathematics 9-12 Program

Courses		Credit
Math		
(Choose One) MTH 5004 MTH 5005 MTH 5006	Linear Algebra Matrix Theory Modern Algebra	3
(Choose One) MTH 5011 MTH 5012	Complex Variables Advanced Calculus for Secondary Teachers	3
(Choose Three) 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
Education		
EDU 5010	Advanced Instructional Technology for the 21 st Century	3
EDU 5030	Methods of Educational Research	3
EDU 5040	Diversity in Education: Societal and Organizational Perspectives	3
EDU 5060	Developing Leaders in 21 st Century Systems	3
EDU 5160	Instructional Planning and Assessment in Secondary Mathematics	3
Capstone Experience		
EDU 5166	Using Data for Instructional Improvement	3
MTH 5099	Product of Learning	3

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Suggested Program of Study

(This is a typical sequence of courses)

PHASE I				
Fall Semester Year 1		Spring Semester Year 1		
Math Course (1)	3	EDU 5010: Advanced Instructional Technology for the 21 st Century		3
EDU 5040: Diversity in Education: Societal and Organizational Perspectives <i>(Or Spring of Year 1)</i>	3			
Summer I (June) Year 1		Summer II (July) Year 1		
Math Course (2)	3	EDU 5060: Developing Leaders in 21 st Century Systems		3
Math Course (3)	3			
Fall Semester Year 2		Spring Semester Year 2		
Math Course (4)	3	MTH 5099: Product of Learning		3
EDU 5030: Methods of Educational Research	3	EDU 5166: Using Data for Instructional Improvement		3
EDU 5160: Instructional Planning and Assessment in Secondary Mathematics	3	Math Course (5)		3