

Middle Grades Mathematics
Master of Arts in Teaching (MAT) Degree Requirements
39 Graduate Credit Hours

PHASE I. Graduate Certificate in Teaching for Middle Grades Mathematics
 Effective Fall 2010

Requirements (18 hours)

All courses in PHASE I and acceptance in the MAT program must be completed before beginning PHASE 2

	Semester	Grade
MDSK 6162: Planning for K-12 Instruction (3)	_____	_____
MDLG 5130: The Middle Grades Experience (3)	_____	_____
READ 5255: Integrating Reading and Writing in the Content Areas (3)	_____	_____
EDUC 5100: Diverse Learners (3)	_____	_____
MAED 5232: Teaching Math to Middle School Learners (3)	_____	_____
<u>Final Course in this phase:</u>		
MDSK 6470: Graduate Student Teaching and Internship (formerly MDSK 6161) (3) <i>*This final course is a full time internship requiring employment as a math teacher in an approved middle school or a non-paid placement with a licensed math teacher in a public middle school. It requires application and approval during the semester prior to the internship.</i>	_____	_____
Plus any deficiency courses in Math required for Standard Professional 1 Licensure: See background requirements below.		
<i>Praxis II Specialty Area exams passed-applies to lateral entry teachers _____(date)</i>		
<i>Application for Standard Professional I license filed in TEAL Office _____(date)</i>		

PHASE 2: Completion of the MAT Degree

Requirements (21 hrs)

Prerequisites to begin this phase: Completion of Phase I and acceptance into the MAT

RSCH 6101: Research Methods (3)	_____	_____
MDLG 6225: Issues in Middle Grades Education (3)	_____	_____
MDSK 6220: Adolescence and Learning (3)	_____	_____
XXXX xxxx: Three hours in Graduate content courses (3)	_____	_____
MAED 5040: Topics in Mathematics Education, Intermediate (3)	_____	_____
<u>Final Courses in Phase II</u>		
MDSK 6260: Teacher Leadership (3)	_____	_____
MDSK 6691: Seminar in Professional Development (3)	_____	_____
<i>Application for candidacy filed with the Graduate School _____(date)</i>		
<i>Application for graduation filed with the Graduate School _____(date)</i>		
<i>Report of project/portfolio sent to the Graduate School _____(date)</i>		
<i>Application for "M" license filed in TEAL Office _____(date)</i>		

Background Requirements 8 Key Courses			
Candidates should have at least a bachelor's degree with a major or equivalent (24 hours) in math and courses in the competency areas below. Candidates with a major in math may satisfy any background deficiencies through graduate courses or undergraduate courses in math. Candidates with degrees in other fields will build to the equivalent of a math major with undergraduate coursework. The GPA for background requirements must be at least a 2.5, and no courses may be presented for licensure with grades lower than a C.			
Requirements (24 hours)			
Content	Suggested Courses	Semester	Grade
Linear and Abstract Algebra	MATH 2341: Algebra and Algebraic Structures OR MATH 2164: Matrices and Linear Algebra		
Number Concepts	MATH 2340: Number Concepts and Relationships		
Geometry	MATH 2343: Geometry and Measurement		
Statistics	STAT 1222: Introduction to Statistics I OR STAT 2122: Introduction to Probability and Statistics		
Discrete Mathematics	MATH 1102: Introduction to Mathematical Thinking OR MATH 1165: Introduction to Discrete Structures		
Calculus	MATH 1120: Calculus OR MATH 1241: Calculus I		
Additional course to meet 24 hour requirement			

- Note-Some deficiency courses may have prerequisites—check course descriptions in the online catalog.