

**Master of Arts in Teaching
Middle Grades Education (6-9)
Mathematics**

Phase One (18 hours)

MDSK 6162: Planning for K-12 Teaching (3) (*Formerly CURR 6162*)
READ 5255: Integrating Reading and Writing in the Content Areas (3)
EDUC 5100: Diverse Learners (3)
MDLG 5130: The Middle Grades Experience (3)
MAED 5040: Teaching Mathematics to Middle School Learners

Final course in this phase:

MDSK 6161: Analysis of K-12 Teaching (3) (*Formerly CURR 6161*)
(Requires full time employment or placement in a middle grades classroom in your field of licensure.)

Plus any deficiency courses in mathematics required for Standard Professional I licensure: See background requirements below

Praxis II Specialty Area exams passed – if applicable _____ (date)

Technology portfolio completed and tracking form signed _____ (date)

Fast track completion form signed by advisor and filed with TEAL office _____ (date)

Application for Standard Professional I license filed in TEAL Office _____ (date)

Phase Two (21 hours)

Prerequisites: Completion of Phase One and full-time employment as a middle grades teacher in mathematics

RSCH 6101: Educational Research Methods (3)
MDLG 6225: Issues in Middle Grades Education (3)
MATH xxxx: Six hours in Graduate MATH Courses (6)
The mathematics department recommends MATH 5109, 5163, 5181, MAED 5141 and other MAED 5000 level courses.
MAED 5040: Topics in Mathematics Education: Middle Grades (or substitution by Math Ed. Coordinator)

Final courses in Phase Two:

MDSK 6260: Principles of Teacher Leadership (3)
MDSK 6691: Seminar in Professional Development (3)

Completion of 39 graduate hours to be applied to the degree _____

Application for candidacy filed with the Graduate School _____ (date)

Application for graduation filed with the Graduate School _____ (date)

Report of project/portfolio sent to the Graduate School _____ (date)

Application for “M” license filed in TEAL Office _____ (date)

Middle Grades Mathematics (6-9) Background Requirements 6 key courses

Candidates should have at least a bachelor's degree with a major or equivalent (24 hours) in mathematics and courses in the competency areas below. Candidates with a major in math will typically have taken all the courses below. Candidates without a major in math will satisfy background requirements through taking the undergraduate courses below. 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.

Competency Area	Course requirements and UNC Charlotte examples There must be at least one course in each cell unless otherwise noted	Candidate's courses	Grades	Plan for satisfying deficiencies
Linear or Abstract Algebra	<p><i>A broad-based conceptual course above the 1000 level that includes algebraic content, e.g.,</i> MATH 2340: Number Concepts and Relationships</p> <p>AND <i>Algebra above the introductory level, e.g.,</i> MATH 2164: Matrices and Linear Algebra OR MATH 2341: Algebra and Algebraic Structures</p>			
Geometry	<p><i>A geometry course above the 1000 level, e.g.,</i> MATH 2343: Geometry and Measurement</p>			
Statistics	<p><i>Any statistics course, e.g.,</i> STAT 1222: Introduction to Statistics STAT 2122: Introduction to Probability and Statistics</p>			
Discrete Mathematics	<p><i>A course focused on discrete mathematics, e.g.,</i> MATH 1102: Introduction to Mathematical Thinking MATH 1165: Introduction to Discrete Structures</p>			
Calculus	<p><i>Introductory calculus, e.g.,</i> MATH 1120: Calculus MATH 1241: Calculus I</p>			

Note: Some deficiency courses may have prerequisites – check course descriptions in the online catalog.

The remaining credits to meet the 24-hour expectation:

- MAED 5040
- MATH _____