

Middle Grades Education (6-9) Mathematics

Graduate Certificate in Teaching

Required courses

MDSK 6162: Planning for K-12 Teaching (3)
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

MDSK 6161: Analysis of K-12 Teaching (3)

This final course is a full time internship requiring employment as a teacher in your field of licensure in an approved middle school or a non-paid placement with a licensed teacher in a public middle school. It requires application and approval during the semester prior to the internship.

Additional requirements for licensure

Technology portfolio

Passing scores on Praxis II exams if you are/have been a lateral entry teacher or have earned fewer than 24 hours in math

Other specific background courses in your content discipline, if applicable – See background requirements below

Applying for the teaching license

Application for NC Standard Professional I license to be filed in TEAL Office, with all appropriate forms regarding completion of coursework, technology portfolio, and internship

Looking ahead

You may wish to apply to the Master of Arts in Teaching (MAT) in Middle Grades Education at the completion of the Graduate Certificate program: <http://www.uncc.edu/gradmiss/index.asp> . All graduate coursework for the Graduate Certificate will be applied toward the requirements for that degree. Completion of the master's degree leads to the advanced "M" teaching license and a 10% pay raise.

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 shown 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 <small>There must be at least one course in each cell unless otherwise noted</small>	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><u>AND</u> <i>Algebra above the introductory level, e.g.,</i> MATH 2164: Matrices and Linear Algebra OR MATH 2341: Algebra and Algebraic Structures</p>			
Geometry	<i>A geometry course above the 1000 level, e.g.,</i> MATH 2343: Geometry and Measurement			
Statistics	<i>Any statistics course, e.g.,</i> STAT 1222: Introduction to Statistics STAT 2122: Introduction to Probability and Statistics			
Discrete Mathematics	<i>A course focused on discrete mathematics, e.g.,</i> MATH 1102: Introduction to Mathematical Thinking MATH 1165: Introduction to Discrete Structures			
Calculus	<i>Introductory calculus, e.g.,</i> MATH 1120: Calculus MATH 1241: Calculus I			

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 _____