

Middle Grades Education (6-9) Graduate Certificate in Teaching Science

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)
MDSK 5251: Middle and Secondary Science Methods

Final course

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

This final course is a full time internship requiring employment as a middle grades science teacher in an approved middle school or a non-paid placement with a licensed science 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

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 your 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 Science (6-9) Background Requirements

6 key courses

Candidates should have at least a bachelor's degree with a major or equivalent (24 hours) in an area of science and courses in the competency areas below. Candidates with a major in one of the sciences will typically have met most of the requirements below, but may need to take additional courses to meet the breadth of background required. Candidates with majors in other fields will build to the equivalent of a 24-hour major through the science courses listed 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	Coursework required and exemplar UNC Charlotte courses There must be at least one course in each cell unless otherwise noted.	Candidate's courses	Year taken	Grades	Plan for satisfying deficiencies
Life sciences	An introductory biology course, e.g., BIOL 1110+L: Principles of Biology I AND An additional biology course, e.g., BIOL 1115+L: Principles of Biology II				
Earth sciences	One introductory course in geology, e.g., GEOL 1200+L: Introductory Geology AND One course about the interacting systems of the earth and its inhabitants, e.g., ESCI 1101+L: Earth Science – Geography				
Physical Sciences	One introductory course in physics, e.g., PHYS 1101+L: Introductory Physics I or PHYS 1130+L: Astronomy One introductory course in chemistry, e.g., CHEM 1111+L: Chemistry in Today's Society CHEM 1251+L: Principles of Chemistry				