Master of Arts in Teaching
Middle Grades Education
Science

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)
MDSK 5251: Middle and Secondary Science Methods

***Final course in this phase*:**
MDSK 6161: Analysis of K-12 Teaching (3) *(Formerly CURR 6161)*
(Requires full time employment as a middle grades science teacher in an approved middle school or placement with a licensed teacher in a public school middle grades science classroom.)

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

Praxis II Specialty Area exams passed – applies to lateral entry teachers _____ (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 science.

RSCH 6101: Educational Research Methods (3)
MDLG 6225: Issues in Middle Grades Education (3)
XXXX xxxx: Six hours in graduate BIOL, CHEM, ESCI, GEOL, or PHYS courses
MDSK 6351: Advanced Methods in Middle and Secondary Science

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 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				