

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

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

Requirements (18 hours)

All courses in PHASE I and acceptance to 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)	_____	_____
MDSK 5251: Teaching Science to Middle and Secondary School Learners (3)	_____	_____
<u>Final Course in this phase:</u>		
MDSK 6470: Graduate Student Teaching and Internship (formerly MDSK 6161) (3) *This final course is a full time internship requiring employment as a 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.	_____	_____
Plus any deficiency courses in Science 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 Science Courses (3)	_____	_____
MDSK 6351: Advanced Methods in Middle and Secondary Science (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			
6 Key Courses			
Candidates should have at least a bachelor's degree with a major or equivalent (24 hours) in a science and courses in the competency areas below. Candidates with a major in a science may satisfy any background deficiencies through graduate courses or undergraduate courses in science. Candidates with degrees in other fields will build to the equivalent of a science 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
Life Sciences	BIOL 1110: Principles of Biology I + Lab		
	BIOL 1115: Principles of Biology II + Lab		
Physical Sciences	CHEM 1111: Chemistry in Today's Society + Lab		
	PHYS 1101: Introductory Physics I + Lab		
Earth and Environmental Sciences	ESCI 1101: Earth Sciences-Geography + Lab		
	GEOL 1200: Physical Geology + Lab		

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