

Teaching (MA): Middle Grades Science Concentration

Degree Requirements

Code	Title	Hours	Counts towards
Core Courses			15
ED 508	Exploring Diversity in Classroom and Community		
ECl 579	Organization and Behavioral Management of Inclusive Classrooms		
ED 507	Principles of Developing and Interpreting Assessment		
ED 570	Classroom Action Research		
ED 571	Inquiry and Professional Development		
ED 569	Teaching Internship: MAT		
ED 572	Teacher Leadership		

Concentration Requirements

Code	Title	Hours	Counts towards
Required Courses			12
EMS 505	Methods of Teaching Science I		
EMS 506	Methods of Teaching Science II		
EMS 531	Introduction to Research in Science Education		
EMS 573	Design of Tools and Learning Environments in STEM Education		
Science Methods Courses			6

Select a minimum of six hours of Science Methods courses approved in conjunction with the academic committee – see "Science Methods Courses" listed below

Total Hours	33
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Science Methods Courses

Code	Title	Hours	Counts towards
Select a minimum of six hours of courses listed below:			6
BIO 592	Topical Problems	1-3	
BSC 546	Humans and Disease: Communicable Diseases	3	
EA 506	Water Quality Assessment	3	
EDP 575	Multicultural Lifespan Development	3	
EDP 582	Adolescent Development	3	
GIS 510	Fundamentals of Geospatial Information Science and Technology	3	
GIS 520	Spatial Problem Solving	3	
MEA 517	Fundamentals of Climate Change Science	3	
MEA 519	Barriers to Climate Change Literacy	3	
MEA 549	Principles of Biological Oceanography	3	
NTR 500	Principles of Human Nutrition	3	
NTR 501	Advanced Nutrition and Metabolism	3	
NTR 510	Maternal and Infant Nutrition	3	
NTR 515	Comparative Nutrition	3	
PY 581	Matter & Interactions for Teachers I	3	
PY 582	Matter & Interactions for Teachers II	3	

Faculty

Full Professors

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