

Science Education (Minor)

Master's Minor Requirements

Code	Title	Hours	Counts towards
Required Courses		9	
Select nine credit hours from the list below			
EMS 521	Advanced Methods in Science Education I ¹		
EMS 522	Advanced Methods in Science Education II ¹		
EMS 531	Introduction to Research in Science Education		
EMS 550	Teaching Environmental Education		
EMS 551	Learning in Informal Contexts: Theory to Practice		
EMS 552	Learning in Informal Contexts: Evaluation		
EMS 573	Design of Tools and Learning Environments in STEM Education		
EMS 575	Foundations Of Science Education		
Total Hours		9	

¹ Students that are seeking a teacher certification can take EMS 505 Methods of Teaching Science I or EMS 506 Methods of Teaching Science II.

Doctoral Minor Requirements

Code	Title	Hours	Counts towards
Required Courses		12	
Select twelve credit hours from the list below			
EMS 550	Teaching Environmental Education		

EMS 551	Learning in Informal Contexts: Theory to Practice		
EMS 552	Learning in Informal Contexts: Evaluation		
EMS 731	Fundamentals of Research in Science Education: Qualitative and Quantitative Inquiry		
EMS 732	Theoretical and Critical Perspectives of Science Education		
EMS 775	Foundations Of Science Education		
EMS 780	Foundational Learning Theories in STEM Education		
EMS 791	Contemporary Research and Critical Issues in STEM Education		
EMS 851	Internship In Mathematics and Science Education		
EMS 832	Research Applications in Science Education		
Total Hours		12	

Faculty

Full Professors

Margaret R. Blanchard

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Eric N Wiebe

Associate Professors

Sarah J. Carrier

Cesar Delgado

Assistant Professors

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Practice/Research/Teaching Professors

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