

Student Name	MST Program Area	Thesis Topic	Research Setting (e.g., middle school mathematics...)	Advisor	Committee Members
Ken Akiha	Generalist - Life Sciences	Observation-based characterization of Middle School through Upper Level Undergraduate STEM classrooms	MS through Undergraduate STEM classes	Michelle Smith	MacKenzie Stetzer, Micheal Wittmann
Connor Chu	Mathematics				
Ann Cleveland	Generalist - Marine Sciences				
Peter Colesworthy	Physics	Coordinate systems and directions, a design experiment using force probes to build kinesthetic experiences as an introduction to directionality	Middle school physical science students	Michael Wittmann	John Thompson, Natasha Speer
Jenn Dunham	Mathematics				
Clint Eaton	Generalist - Chemistry			Mitchell Bruce	
Billy Ferm	Generalist - Physics/Mathematics	Examining Student Reasoning Skills in Physics	Undergraduate Introductory Physics	MacKenzie Stetzer	John Thompson, Natasha Speer
Maura Foley	Earth Sciences			Jon Shemwell	
Ethan Geheb	Generalist - Physical Sciences/Mathematics	Understanding Effective Student Processing of Identifying Reasoning in Argumentation	6th grade science	Jon Shemwell	Dan Capps, Michael Wittmann
Daniel Gibson	Generalist - Physical Sciences/Mathematics	Essential processes in modeling through synthesis	Grade 8-12 teachers, in professional development	MacKenzie Stetzer	
Grace Gonnella	Generalist - Life Sciences			Jon Shemwell	
Oai Ha	Generalist - Physical Sciences/Mathematics	Cluster analysis of energy survey data to understand students' models of energy	Middle school physical science students	Michael Wittmann	

Devin Howard	Generalist - Physical Sciences/Life Sciences	Fostering Connections Between Macroscopic, Submicroscopic, and Representational Levels Using Analogical Reasoning in the Chemistry lab	College Introductory Chemistry	Mitchell Bruce	Alice Bruce, Michael Wittmann
Graham Hummel-Hall	Generalist - Life Sciences				
Derek LaBarron	Generalist - Life Sciences	Student Understanding gained from the GeMS Project and how the testing could be improved or expanded	High School Earth Science	Jon Shemwell	
Hendrik Lenferink	Generalist - Physical Sciences/Mathematics			Chris Gerbi	
Savannah Lodge-Scharff	Physical Science/Mathematics	Student understanding of forces as vectors - Distinguishing between exerted and depicted forces	University students	Jon Shemwell	
Laura Millay	Generalist - Physical Sciences/Mathematics	Examining knowledge teachers mastered while planning for classroom formative assessment in middle school earth sciences classrooms	Middle school earth science teachers	Mitchell Bruce	Shirly Avargil, Jon Shemwell
Meredith Muller	Mathematics	Symmetry Strategies in Problem Solving	Undergraduate	Eric Pandiscio	Justin Dimmel, Natasha Speer
William Schlager	Generalist - Earth Sciences/Life Sciences	Data literacy and graphing with the Snowpack Project	High School	Molly Schauffler	Sarah Nelson, Eric Pandiscio
Carla Scocchi	Generalist				
Lauren Swalec					
Ian Thackray	Generalist - Mathematics/Physical Sciences	Further defining mathematical knowledge for teaching at the post-secondary level	Post-secondary/Professor or Knowledge/Professor		
Stephanie Virgilio	Mathematics			Mitchell Bruce	
Taylor Washburn	Generalist - Physical Sciences/Mathematics				

Tiffany Wilson	Generalist - Physical Sciences/Mathematics	An evaluation of undergraduate chemistry students' understanding of greenhouse gases.	University undergraduate chemistry	Mitchell Bruce	Mitchell Bruce, Alice Bruce, Molly Schauffler
Joseph Walter	Generalist - Physical Sciences/Life Sciences/Mathematics			Mitchell Bruce	
Troy Whitaker	Generalist - Physical Sciences/Life Sciences				
