# Learning & Teaching in STEM (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>ED 795</td>
<td>Special Topics in Education Research (Diversity and Equity in Schools and Communities)</td>
<td>3</td>
</tr>
<tr>
<td>ED 795</td>
<td>Special Topics in Education Research (Systemic Change in Education and Society)</td>
<td>3</td>
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Select 15 credit hours of the following:  
1. ED 710 Applied Quantitative Methods in Education I  
2. ED 730 Introduction to Qualitative Research in Education  
3. ED 711 Applied Quantitative Methods in Education II  
4. ED 731 Advanced Qualitative Research and Data Analysis in Education  
5. ED 750 Mixed Methods Research in Education  
6. ED 712 Survey Methods in Educational Research  

Additional research methods courses:  
- EMS 792 Special Problems in Math Teaching (Foundational Learning Theories in STEM Education)  
- EMS 791 Contemporary Research and Critical Issues in STEM Education  
- EAC 895 Doctoral Dissertation Research  

Select at least 24 credit hours of Program Area Courses:  

Total Hours: 60

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1. At least one Quantitative Methods Course, one Qualitative Methods Course, and one Advanced Methods Course  
2. Determined by Program Area and consultation with Advisor

## Faculty

### Full Professors
- Margaret R. Blanchard  
- Aaron Catron Clark  
- Jo-Ann D. Cohen  
- Jere Confrey  
- Karen Flanagan Hollebrands  
- Carla Johnson  
- Melissa Gail Jones  
- Hollylynne Stohl Lee  
- Soonhye Park  
- Lee Vernon Stiff  
- Eric N. Wiebe

### Associate Professors
- Sarah J. Carrier  
- Cesar Delgado  
- Cameron Denson  
- Jessica Heather Hunt  
- Temple A. Walkowiak

### Assistant Professors
- Robin Keturah Anderson  
- Kirstin Collette Rogis Busch  
- Tamecia Raishaun Jones  
- Erin Krupa  
- Jonee Wilson

### Practice/Research/Teaching Professors
- Cynthia Page Edgington