# Learning & Teaching in STEM (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td></td>
<td><strong>College Scholar Leader Courses</strong></td>
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<tr>
<td>ED 755</td>
<td>Scholar Leader: Diversity and Equity in Schools and Communities</td>
<td>6</td>
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<tr>
<td>ED 756</td>
<td>Scholar Leader: Systemic Change in Education</td>
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<th><strong>College Research Methods Courses</strong></th>
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<tbody>
<tr>
<td>EMS 791</td>
<td>Contemporary Research and Critical Issues in STEM Education</td>
<td>6</td>
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<tr>
<td>EMS 794</td>
<td>Special Problems in Science Teaching (Foundational Learning Theories in STEM Education)</td>
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Select 24 hours of additional coursework based on Concentrations listed below

### Total Hours: 60

1. Students may also select from a design-based research course or courses in the Department of Statistics or Psychology at the level 500 or above (e.g., ST 505, PSY 880) approved in conjunction with the academic committee.

In addition to the required College core courses above, students must select one of 3 approved concentrations listed below and complete the minimum 30 hours required in the selected concentration (including the 2 required concentration area courses listed above).

1. Engineering and Technology Education
2. Mathematics and Statistics Education
3. Science Education

## Faculty

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

### Associate Professors
Cesar Delgado
Cameron Denson
Jessica Heather Hunt
Erin Krupa
Temple A. Walkowiak

Assistant Professors
Robin Keturah Anderson
Kirstin Collette Rogis Busch
Sunghwan Byun
Ruby Ellis
Tamecia Raishaun Jones
Jonee Wilson

Practice/Research/Teaching Professors
Cynthia Page Edgington
Matt Reynolds
Kevin Sutton