# Statistics (PhD)

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Required Course Work</strong></td>
<td>15</td>
</tr>
<tr>
<td>ST 779</td>
<td>Advanced Probability for Statistical Inference</td>
<td></td>
</tr>
<tr>
<td>ST 793</td>
<td>Advanced Statistical Inference</td>
<td></td>
</tr>
<tr>
<td>ST 758</td>
<td>Computation for Statistical Research</td>
<td></td>
</tr>
<tr>
<td>ST 841</td>
<td>Statistical Consulting &lt;sup&gt;1&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>ST 810</td>
<td>Advanced Topics in Statistics (Ethics in Statistics)</td>
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<tr>
<td>PHI 816</td>
<td>Introduction to Research Ethics</td>
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</table>

### Elective Courses

Select nine credit hours of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
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<tbody>
<tr>
<td>ST 732</td>
<td>Longitudinal Data Analysis</td>
</tr>
<tr>
<td>ST 733</td>
<td>Spatial Statistics</td>
</tr>
<tr>
<td>ST 740</td>
<td>Bayesian Inference and Analysis</td>
</tr>
<tr>
<td>ST 746</td>
<td>Introduction To Stochastic Processes</td>
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<tr>
<td>ST 790</td>
<td>Advanced Special Topics</td>
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### Dissertation Course <sup>2</sup>

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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</thead>
<tbody>
<tr>
<td>ST 895</td>
<td>Doctoral Dissertation Research</td>
<td>6</td>
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</table>

### Additional Courses

*Additional Courses* are approved in conjunction with the academic committee to meet 72 total hours.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Total Hours</strong></td>
<td>72</td>
</tr>
</tbody>
</table>

<sup>1</sup> Unless student has taken ST 542 Statistical Practice

<sup>2</sup> 500 or 700 level course in Statistics or another department

## Faculty

### Full Professors

- Dennis D. Boos
- Marie Davidian
- Sujit K. Ghosh
- Subhashis Ghoshal
- Kevin Gross
- Marcia Lynn Gumpertz
- Jacqueline M. Hughes-Oliver
- Eric Benjamin Laber
- Wenbin Lu
- Ryan G. Martin
- Spencer V. Muse
- Jason A. Osborne
- Brian J. Reich
- Rui Song

### Associate Professors

- Xinge Jessie Jeng
- Arnab Maity
- Donald Eugene Kemp Martin
- Thomas W. Reiland
- Charles Eugene Smith

### Assistant Professors

- Eric C. Chi
- Emily Hector
- Srijan Sengupta
- Jonathan W. Stallrich
- Minh Tang
- Jonathan Paul Williams
- Luo Xiao
- Shu Yang

### Practice/Research/Teaching Professors

- Jonathan W. Duggins
- Emily H. Griffith
- Herle M. McGowan
- Logan J. Opperman
- Justin B. Post
- Paul R. Savariappan
- Shuting Wang

### Emeritus Faculty

- William Reid Atchley
- Peter Bloomfield
Cavell Brownie
David Alan Dickey
Thomas Michael Gerig
Harvey J. Gold
Thomas Johnson
John F. Monahan
Kenneth Hugh Pollock
Charles P. Quesenberry
John Oren Rawlings
Don L. Ridgeway
Moon Won Suh
William H. Swallow
Anastasios A. Tsiatis
John L. Wasik

Adjunct Faculty
Howard D. Bondell
Soumendra Nath Lahiri
Alison Anne Motsinger-Reif
Eric A. Stone
Yichao Wu