## Statistics (MR): Environmental Statistics Concentration

### 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>ST 501</td>
<td>Fundamentals of Statistical Inference I</td>
<td></td>
<td>21</td>
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<tr>
<td>ST 502</td>
<td>Fundamentals of Statistical Inference II</td>
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<tr>
<td>ST 503</td>
<td>Fundamentals of Linear Models and Regression</td>
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<tr>
<td>ST 542</td>
<td>Statistical Practice</td>
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<tr>
<td>ST 555</td>
<td>Statistical Programming I</td>
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<tr>
<td>ST 517 &amp; ST 518</td>
<td>Applied Statistical Methods I and Applied Statistical Methods II</td>
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<th>Code</th>
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<tbody>
<tr>
<td>ST 533:733</td>
<td>Applied Spatial Statistics</td>
<td>3</td>
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<tr>
<td>ST 711</td>
<td>Design Of Experiments</td>
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<tr>
<td>ST 534</td>
<td>Applied Time Series</td>
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<td>ST 537</td>
<td>Applied Multivariate and Longitudinal Data Analysis</td>
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<td>ST 744</td>
<td>Categorical Data Analysis</td>
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<tr>
<td>ST 745</td>
<td>Analysis of Survival Data</td>
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</table>

**Statistics Elective Courses**

- Select three credit hours of the following:
  - ST 533/733: Applied Spatial Statistics
  - ST 711: Design Of Experiments
  - ST 534: Applied Time Series
  - ST 537: Applied Multivariate and Longitudinal Data Analysis
  - ST 744: Categorical Data Analysis
  - ST 745: Analysis of Survival Data

**Supporting Elective Courses**

- "Supporting Elective Courses" are approved in conjunction with the academic committee
- 6 credit hours

**Total Hours**

- 30

*Elective courses can fall within the following subjects: Environmental Policy, Economics, Epidemiology, Toxicology/Risk Assessment, Mathematics, MEAS, GIS, Botany & Ecology, Biomathematics, and Zoology.

### Faculty

- Dennis D. Boos
- Marie Davidian
- Sujit K. Ghosh
- Subhashis Ghosal
- 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
- Erin Mary Schliep
- Rui Song
- Ana-Maria Staicu
- Leonard A. Stefanski
- Jeffrey L. Thorne
- Jung-Ying Tzeng
- Alyson Gabbard Wilson
- Fred Andrew Wright
- Daowen Zhang
- Xinge Jessie Jeng
- Arnab Maity
- Donald Eugene Kemp Martin
- Thomas W. Reiland
- Charles Eugene Smith
- Eric C. Chi
- Emily Hector
- Karl Timothy LeRoy Pazdernik
- Srijan Sengupta
- Jonathan W. Stallrich
Minh Tang
Jonathan Paul Williams
Luo Xiao
Shu Yang
Jonathan W. Duggins
Emily H. Griffith
Herle M. McGowan
Logan J. Opperman
Justin B. Post
Paul R. Savariappan
Shuting Wang
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
Howard D. Bondell
Soumendra Nath Lahiri
Alison Anne Motsinger-Reif
Eric A. Stone
Yichao Wu