Statistics (MR): Statistical Genetics Concentration

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Core Courses</td>
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<tr>
<td>ST 501/701</td>
<td>Fundamentals of Statistical Inference I</td>
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<tr>
<td>ST 502/702</td>
<td>Fundamentals of Statistical Inference II</td>
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<tr>
<td>ST 503/705</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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<td>ST 555</td>
<td>Statistical Programming I</td>
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<tr>
<td>ST 517</td>
<td>Applied Statistical Methods I</td>
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<tr>
<td>&amp; ST 518</td>
<td>and Applied Statistical Methods II</td>
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Concentration Requirements

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>Required Courses</td>
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<td>Select one of the following:</td>
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<tr>
<td>ST 520</td>
<td>Statistical Principles of Clinical Trials</td>
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<td>ST 540</td>
<td>Applied Bayesian Analysis</td>
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<td>ST 711</td>
<td>Design Of Experiments</td>
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<td>ST 744</td>
<td>Categorical Data Analysis</td>
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<td>ST 745</td>
<td>Analysis of Survival Data</td>
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<td>Select six credit hours of the following:</td>
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<tr>
<td>ST 721</td>
<td>Genetic Data Analysis</td>
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<tr>
<td>ST 590</td>
<td>Special Topics (Introduction to Bioinformatics)</td>
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<tr>
<td>ST 590</td>
<td>Special Topics (Bioinformatics II)</td>
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<tr>
<td>GN 703</td>
<td>Population and Quantitative Genetics</td>
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<tr>
<td>ST/GN 756</td>
<td>Computational Molecular Evolution</td>
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<tr>
<td>ST/GN 757</td>
<td>Quantitative Genetics Theory and Methods</td>
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<td>Total Hours</td>
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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
Ana-Maria Staicu
Leonard A. Stefanski
Jeffrey L. Thorne
Jung-Ying Tzeng
Alyson Gabbard Wilson
Fred Andrew Wright
Daowen Zhang

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
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