Statistics (MR): Biostatistics 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>6</td>
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<tr>
<td>ST 502</td>
<td>Fundamentals of Statistical Inference II</td>
<td>6</td>
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<tr>
<td>ST 503</td>
<td>Fundamentals of Linear Models and Regression</td>
<td>6</td>
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<tr>
<td>ST 542</td>
<td>Statistical Practice</td>
<td>3</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>
<td>6</td>
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Concentration Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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<tbody>
<tr>
<td>Select nine credit hours of the following:</td>
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<tr>
<td>ST 520</td>
<td>Statistical Principles of Clinical Trials</td>
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<tr>
<td>ST 537</td>
<td>Applied Multivariate and Longitudinal Data Analysis</td>
<td>3</td>
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<tr>
<td>ST 744</td>
<td>Categorical Data Analysis</td>
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<tr>
<td>ST 745</td>
<td>Analysis of Survival Data</td>
<td>3</td>
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</tbody>
</table>

Total Hours 30

Faculty

Department Head
K. Sellers

Associate Department Heads
E. Griffith

Director of Statistics Graduate Programs
W. Lu

Director of Statistics Undergraduate Programs
S. Muse

Director of Online Programs
J. Post

Director of Bioinformatics Research Center
F. Wright

Director of Bioinformatics Graduate Program
S. Muse

R.A. Fisher Distinguished Professor of Statistics
L. Stefanski

J. Stuart Hunter Distinguished Professor
M. Davidian

Cox Distinguished Professor of Statistics
B. Reich

Alumni Distinguished Graduate Professors
M. Davidian

Alumni Distinguished Undergraduate Professor
T. Reiland
Goodnight Innovation Distinguished Professor
F. Wright

University Distinguished Professor
S. Ghosal

Professors
D.D. Boos
M. Davidian
S. Ghosal
S.K. Ghosh
K. Gross
M. Gumpertz
W. Lu
A. Maity
R. Martin
S. Muse
J. Osborne
B. Reich
K. Sellers
A. Staicu
L.A. Stefanski
J.-Y. Tzeng
A. Wilson
F. Wright
D. Zhang

Associate Professors
J. Jeng
D. Martin
T.W. Reiland
E. Schliep
S. Sengupta
C.E. Smith
J. Stallrich
L. Xiao
S. Yang

Assistant Professors
A. Booth
E. Hector
N. Josephs
L. Opperman
M. Tang
J. Williams

Teaching Associate Professors
J. Duggins
H. McGowan
J. Post
P. Savariappan

Teaching Assistant Professors
J. Duggins
L. Opperman
S. Wang

Associate Professor of the Practice
E. Griffith

Lecturers
R. Danaher
D. Harris
T. Johnson
M. Winters

Emeritus Faculty
P. Bloomfield
D. Dickey
T. Gerig
M. Gumpertz
J. Hughes-Oliver
J. Monahan
W. Swallow
J. Thorne
A. Tsiatis

Associate and Adjunct Faculty
H. Bondell
J. Guiness
I. Ipsen
A. Montsinger-Reif
Y. Zhou