# Statistics (MR): Financial Concentration

## Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Core Courses</td>
<td></td>
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</tr>
<tr>
<td>ST 501</td>
<td>Fundamentals of Statistical Inference I</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</td>
<td>Applied Statistical Methods I and Applied</td>
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<tr>
<td>&amp; ST 518</td>
<td>Statistical Methods II</td>
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<td>Required Courses</td>
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<tr>
<td>ECG 528</td>
<td>Options and Derivatives Pricing</td>
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<tr>
<td>MA 547</td>
<td>Stochastic Calculus for Finance</td>
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<td>Select three credit hours of the following:</td>
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<tr>
<td>ST 534</td>
<td>Applied Time Series</td>
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<td>ST 540</td>
<td>Applied Bayesian Analysis</td>
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<td>ST 711</td>
<td>Applied Multivariate and Longitudinal Data</td>
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<td></td>
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<tr>
<td>Analysis</td>
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<tbody>
<tr>
<td></td>
<td>Required Courses</td>
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<tr>
<td>ST 744</td>
<td>Total Hours</td>
<td>30</td>
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</tbody>
</table>

## Faculty

### Department Head
- K. Sellers

### Associate Department Heads
- E. Griffith
- W. Lu

### 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
- A. Wilson
Alumni Distinguished Undergraduate Professors
T. Reiland

Goodnight Innovation Distinguished Professor
F. Wright

University Distinguished Professor
S. Ghoshal

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
E. Meyer
L. Opperman
S. Wang

Associate Professor of the Practice
E. Griffith

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

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. Motsinger-Reif
Y. Zhou