Biomathematics (MS)

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Required Courses</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>BMA 567</td>
<td>Modeling of Biological Systems</td>
<td></td>
</tr>
<tr>
<td>or BMA 773</td>
<td>Stochastic Modeling</td>
<td></td>
</tr>
<tr>
<td>or BMA 774</td>
<td>Partial Differential Equation Modeling in Biology</td>
<td></td>
</tr>
<tr>
<td>BMA 771</td>
<td>Biomathematics I</td>
<td></td>
</tr>
<tr>
<td>BMA 772</td>
<td>Biomathematics II</td>
<td></td>
</tr>
<tr>
<td>BMA 801</td>
<td>Seminar ¹</td>
<td>1</td>
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Biological Science Courses 6

“Biological Science Courses” will be approved in conjunction with the academic committee

Statistics Courses 3-6

Required “Statistics Courses” will be approved in conjunction with the academic committee – see “Statistic Course Options” listed below

Mathematical Science Courses 6

“Mathematical Science Courses” will be approved in conjunction with the academic committee

Written Thesis

Students must complete a written thesis to receive a Master of Science Degree

Total Hours 30

¹ BMA 801 Seminar must be repeated to meet the two credit hour requirements.

Statistics Course Options

Option 1

<table>
<thead>
<tr>
<th>Code</th>
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<tbody>
<tr>
<td>ST 511</td>
<td>Statistical Methods For Researchers I</td>
<td>3</td>
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<tr>
<td>ST 512</td>
<td>Statistical Methods For Researchers II</td>
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Total Hours 6

Option 2

<table>
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<tr>
<td>ST 512</td>
<td>Statistical Methods For Researchers II (R)</td>
<td>3</td>
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</table>

Total Hours 3

Faculty

Full Professors
Kevin Gross
Mansoor Abbas Haider
Carol K. Hall
Jason M. Haugh
George R. Hess

Associate Professors
Randall Brian Langerhans
Charles Eugene Smith
Rosangela Sozzani

Assistant Professors
Belinda Sena Akpa
Kevin Bryant Flores
David Alan Rasmussen

Emeritus Faculty
William Reid Atchley
John William Bishir
Marlene L. Hauck
Gail G. McRae
Kenneth Hugh Pollock
Jim E. Riviere
Henry E. Schaffer
James Francis Selgrade
Ronald Edwin Stinner

Adjunct Faculty
John Edward Banks
Georgiy Bobashev
James W. Gilliam
Nicholas M. Haddad
Julia S. Kimbell
W. Owen McMillan III
Johnny T. Ottesen
Eric A. Stone