Biological and Agricultural Engineering (MS): Systems Analysis Concentration

Degree Requirements

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAE 591</td>
<td>Master's Research Methods I</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>BAE 592</td>
<td>Master's Research Methods II</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>Math / Statistics / Biomathematics Courses</strong></td>
<td>6</td>
<td></td>
</tr>
</tbody>
</table>

The required “Mathematics / Statistics / Biomathematics Courses” are determined in conjunction with the academic committee.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Elective Courses</strong> ¹, ²</td>
<td>22</td>
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</tbody>
</table>

“Elective Courses” are determined in conjunction with the academic committee to meet the 30 total credit hours.

Total Hours 30

¹ Minimum of 20 credit hours must come from 500-level and above courses
² Maximum 6 hours S/U graded courses

Concentration Electives

A minimum of 6 hours of elective courses must be taken from the following courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
<th>Counts towards</th>
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</thead>
<tbody>
<tr>
<td>BAE 501</td>
<td>Sensors and Controls</td>
<td>3</td>
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<tr>
<td>BAE 527/427</td>
<td>Metabolic Systems Analysis</td>
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<td></td>
</tr>
<tr>
<td>BAE 535</td>
<td>Precision Agriculture Technology</td>
<td>3</td>
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<tr>
<td>BAE 541</td>
<td>Foundation Tools to Agriculture, Food and Life Sciences Data</td>
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<td></td>
</tr>
<tr>
<td>BAE 542/542</td>
<td>Advanced Analytics to Agriculture, Food and Life Sciences Data</td>
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</tbody>
</table>

Faculty

Michael D. Boyette
Khara Deanne Grieger
Michael R. Burchell II
Jay Jiayang Cheng
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Scott A. Hale
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Sanjay Bikram Shah
Lirong Xiang
Mohamed A. Youssef
Wenqiao Yuan
François Philippe Birgand
John J. Classen
Barbara A. Doll
Steven George Hall
Praveen Kolar
Celso Francisco Castro Bolinaga
Grant H. Ellington
Lucie S. G. Guertault
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Chad Ashley Poole
Natalie G. Nelson Sagues
Chadi Sayde
Mahmoud A. N. A. N. Sharara
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Sierra Young
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Garry L. Grabow
Rodney L. Huffman
Gregory Donald Jennings
Richard W. Skaggs
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Larry F. Stikeleather
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Sheila Marie Saia
Ratna Rani Sharma

Adjunct Associate Professor
Wesley Mark Porter

Adjunct Assistant Professor
Kristina Hopkins