Master of Engineering in Bioengineering

General Requirements

• 30 credits total
• At least 18 of the total credits required for degree must be at 5xx level
• 3xx level courses are not allowed
• 4xx level courses may be used
• Courses with grades below C- cannot be used to satisfy graduation requirements
• Three credits (min.) registration required during term of graduation
• Max of 6 credits of individual problems courses (570)

Course Requirements

The following courses are required for each ME student:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECHM 594</td>
<td>Seminar (can be taken twice)</td>
<td>1</td>
</tr>
<tr>
<td>ECHM 533</td>
<td>Transport Phenomena</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus, a course in each of the following areas:

Reaction Engineering

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>EBIO 566</td>
<td>Fundamentals of Biofilm Engr</td>
<td>3</td>
</tr>
<tr>
<td>or ECHM 510</td>
<td>Reaction Engineering/Modeling</td>
<td></td>
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Advanced Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGEN 505</td>
<td>Advanced Engineering Analysis</td>
<td>3</td>
</tr>
<tr>
<td>or EGEN 506</td>
<td>Numerical Sol to Engr Problems</td>
<td></td>
</tr>
</tbody>
</table>

Course in Environmental Engineering Processes

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EENV 562</td>
<td>Water Treatment Process/Design</td>
<td>3</td>
</tr>
<tr>
<td>or EENV 563</td>
<td>Wastewater Treat Proc/Design</td>
<td></td>
</tr>
</tbody>
</table>