Master of Engineering in Chemical Engineering

General Requirements

- 30 credits total
- At least 21 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 graduate requirements
- Three credits (min.) registration required during term of graduation
- Max of 6 credits of independent study courses (ECHM 592)

Course Requirements

The following courses are required of 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 503</td>
<td>Thermodynamics</td>
<td>3</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>
</tr>
</thead>
<tbody>
<tr>
<td>ECHM 510</td>
<td>Reaction Engineering/Modeling</td>
<td>3</td>
</tr>
<tr>
<td>or EBIO 566</td>
<td>Fundamentals of Biofilm Engr</td>
<td></td>
</tr>
</tbody>
</table>

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>