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 individual problems courses (570)

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>
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</thead>
<tbody>
<tr>
<td>ECHM 594</td>
<td>Seminar (can be taken twice)</td>
<td>1</td>
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<tr>
<td>ECHM 503</td>
<td>Thermodynamics</td>
<td>3</td>
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<tr>
<td>ECHM 533</td>
<td>Transport Phenomena</td>
<td>3</td>
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Plus, a course in each of the following areas:

- Reaction Engineering
  - ECHM 510 | Reaction Engineering/Modeling       | 3       |
  - or EBIO 566 | Fundamentals of Biofilm Engr       |         |

- Advanced Mathematics
  - EGEN 505 | Advanced Engineering Analysis       | 3       |
  - or EGEN 506 | Numerical Sol to Engr Problems     |         |