MASTER OF CHEMICAL ENGINEERING WITH SPECIALIZATION IN ENERGY/ENVIRONMENT/ECONOMICS (E3)

This program has the same requirements as the M.S. degree program, except that in place of six to eight credit hours of M.S. thesis research, students are required to register for two to five credit hours of special projects research (CHE 594), plus additional E3 courses with the approval of their adviser. Students are also encouraged to register or attend the interdisciplinary graduate seminar (CHE 593) or general seminars offered in energy and/or sustainability areas by the Wanger Institute for Sustainable Energy Research (WISER).

<table>
<thead>
<tr>
<th>Curriculum</th>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Core Courses</td>
<td>CHE 525</td>
<td>Chemical Reaction Engineering</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHE 535</td>
<td>Applctn Math Cheml Engrg</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>CHE 551</td>
<td>Advanced Tnsport Phenomena</td>
<td>3</td>
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<tr>
<td></td>
<td>CHE 553</td>
<td>Advanced Thermodynamics</td>
<td>3</td>
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<tr>
<td>Special Projects Research</td>
<td>CHE 594</td>
<td>Special Projects</td>
<td>2-5</td>
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<tr>
<td>Electives</td>
<td>CHE 543</td>
<td>Energy Envir Economics</td>
<td>3</td>
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<td></td>
<td>(5-8)</td>
<td>Select a minimum of one course from Group A</td>
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<td>Select a minimum of one course from Group B</td>
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<tr>
<td>Recommended</td>
<td>CHE 593</td>
<td>Seminar in Chemical Engrng (or general seminars offered in energy and/or sustainability by WISER)</td>
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Minimum degree credits required: 32