M.S. in Chemical Engineering - Non-Thesis Option (Plan B)

General Requirements

• 30 credits total
• (ECHM 575 Research or Prof Paper/Project) is required
• Half of 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:
  • Comprehensive Examination and Thesis defense
  • Graduation (1 credit with in absentia graduation request on file)

Course Requirements

The following courses are required of each MS student:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>ECHM 594</td>
<td>Seminar (can be taken twice)</td>
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<tr>
<td>ECHM 503</td>
<td>Thermodynamics (F)</td>
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<tr>
<td>ECHM 533</td>
<td>Transport Phenomena (Sp)</td>
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<tr>
<td>ECHM 575</td>
<td>Research or Prof Paper/Project</td>
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<td>(3 credits)</td>
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Plus, a course in each of the following areas:

- Reaction Engineering
  - ECHM 510 Reaction Engineering/Modeling (Sp alt. Years)
  - or EBIO 566 Fundamentals of Biofilm Engr

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

Each student’s graduate advisor and committee are to work with the student to prepare a Program of Study listing the courses the student is required to take.

Examinations

For Non-Thesis Option (Plan B) Students:

• Defense of professional paper
• Comprehensive examination
Font Notice

This document should contain certain fonts with restrictive licenses. For this draft, substitutions were made using less legally restrictive fonts. Specifically:

Times was used instead of Adobe Garamond Pro.

The editor may contact Leepfrog for a draft with the correct fonts in place.