MS in Chemical Engineering – Thesis Option (Plan A)

Updated: March 26, 2012

General Requirements

- 30 credits total (including thesis credits)
- 10 credits (minimum) of ECHM 590: Master Thesis
- 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 degree 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:

- ECHM 594: Graduate Seminar (1 cr, can be taken twice)
- ECHM 503: Thermodynamics (3 cr)
- ECHM 533: Transport Phenomena (3 cr)

Plus, a course in each of the following areas:

- Reaction Engineering (3 cr), ECHM 510 or another reactions course (e.g., EBIO 566 Biofilm Engineering)
- Numerical Analysis (3 cr), EGEN 506 or another advanced engineering mathematics course (e.g., EGEN 505)

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 Thesis Option (Plan A) students, the thesis defense and comprehensive examination are combined.