MS in Chemical Engineering – Non-Thesis Option (Plan B)

Updated: March 26, 2012

General Requirements

- 30 credits total
- A professional paper (ECHM 575) 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:

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

Plus, a course in each of the following areas:

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

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