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

General Requirements

- 30 credits total
- ECHM 575 Research or Prof Paper/Project is required
- 21 credits or more 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 graduation (1 credit with in absentia graduation request on file)

Course Requirements

The following courses are required of each MS student:

- ECHM 594 Seminar (can be taken twice) 1
- ECHM 503 Thermodynamics (F) 3
- ECHM 533 Transport Phenomena (Sp) 3
- ECHM 575 Research or Prof Paper/Project 3

Plus, a course in each of the following areas:

Reaction Engineering
- ECHM 510 Reaction Engineering/Modeling (Sp) 3
  or EBIO 566 Fundamentals of Biofilm Engr

Advanced Mathematics
- EGEN 505 Advanced Engineering Analysis 3
  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:

- Presentation of professional paper and oral defense