

# M.S. in Chemical Engineering - Thesis Option (Plan A)

## General Requirements

- 30 credits total (including thesis credits)
- 10 credits (minimum) of ECHM 590 Master's Thesis
- 21 or more 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 absentee graduation request on file)

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## Course Requirements

The following courses are required of each MS student

ECHM 594	Seminar (can be taken twice)	1
ECHM 503	Thermodynamics	3
ECHM 533	Transport Phenomena	3

Plus, a course in each of the following areas:

### Reaction Engineering

ECHM 510	Reaction Engineering/Modeling	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 Thesis Option (Plan A) students, the thesis defense and comprehensive examination are combined.