

# MS in Chemical Engineering

## Degree Requirements

- The student's program must include a minimum of 30 hours of graduate credit beyond the bachelor's degree (or its equivalent).
- At least 3 credits must be in 8000+ level courses, not including special readings, seminar, or research; and no more than 40% of the total can be research-based.
- The candidate must have completed all graduate work attempted at MU with a GPA of 3.0 or better.
- Each candidate must pass a final examination to demonstrate mastery of the fundamental principles of Chemical Engineering.
- Students must present a thesis.
- Students must be enrolled.

Core Coursework		12
CH_ENG 8336	Advanced Heat and Momentum Transfer	3
CH_ENG 8337	Advanced Mass Transfer	3
CH_ENG 8451	Advanced Chemical Engineering Thermodynamics I	3
CH_ENG 8463	Chemical Reaction Engineering Science	3
<b>Elective Coursework</b> <small>may take more hours than listed</small>		<b>9</b>
7000+ CH_ENG, other Engineering, Physical, Chemical, or Biological Sciences <sup>a</sup>		6
MATH 7000+ (No undergraduate level content)		3
<b>Additional Requirements</b>		<b>9</b>
CH_ENG 8087	Seminar in Chemical Engineering <sup>b</sup>	1
CH_ENG 8990	Research-Masters Thesis in Chemical Engineering	8
<b>Total Credit Hours</b>		<b>30</b>

a Electives must be approved by student's advisor and Graduate Committee to complement their research.

b Students are required to enroll in CH\_ENG 8087 for *each semester* (Fall and Spring) that they matriculate. Each semester enrolled reduces the number of required credit hours of CH\_ENG 8990 by one credit hour

## Admissions

Applicants are required to meet two sets of minimum qualifications for admission consideration: the requirements of the M.S. in Chemical Engineering program (<https://gradschool.missouri.edu/degreecategory/chemical-engineering/>) and the minimum requirements of the Graduate School (<http://gradschool.missouri.edu/admissions/apply/>). Because requirements vary, you *must* refer to a degree program's graduate admission page to learn about specific admission criteria, eligibility and application process. Before official admissions to the University of Missouri, your application materials will be reviewed by both the Graduate School and the degree program to which you've applied.

### Application Deadlines

- Fall Priority Deadline: January 4
- Fall Deadline: March 15
- Spring Deadline: October 15

### Required Application Materials

### Chemical Engineering Program

- Résumé
- Transcript
- Statement of Purpose
- 3 Letters of Reference
- GRE scores (School Code: 6875; Dept. Code: 1001)
- TOEFL (if you are an international student)
- Any additional documents requested by the Graduate School