

PhD in Chemical Engineering

Degree Requirements

- The student's program must include a minimum of 72 hours of graduate credit beyond the bachelor's degree (or its equivalent).
- At least 15 credits must be in 8000+ level courses, not including special readings, seminar, or research
- 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 dissertation
- 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	Advanced Chemical Reaction Engineering	3
Elective Coursework		15
7000+ CH_ENG, Other Engineering, Physical, Chemical, or Biological Sciences. ^a		9
8000+ CH_ENG, Other Engineering, Physical, Chemical, or Biological Sciences. ^a		3
MATH 7000+ or CH_ENG 8470		3
Additional Requirements		45
CH_ENG 8087	Seminar in Chemical Engineering ^b	1
CH_ENG 9990	Research-Doctoral Dissertation in Chemical Engineering	44
Total Credit Hours		72

^a Electives must be approved by student's advisor and dissertation committee.

^b Students are required to enroll in CH_ENG 8088, a zero credit hour course, for *each semester* (Fall and Spring) they matriculate in the program.

Admissions

Applicants are required to meet two sets of minimum qualifications for admission consideration: the requirements of the PhD. in Chemical Engineering program (<https://gradschool.missouri.edu/degrecategory/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