

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	Advanced Chemical Reaction Engineering	3
Elective Coursework	may take more hours than listed	9
7000+ CH_ENG, other Engineering, Physical, Chemical, or Biological Sciences ^a		6
MATH 7000+ (No undergraduate level content)		3
Additional Requirements		9
CH_ENG 8087	Seminar in Chemical Engineering	1
CH_ENG 8990	Research-Masters Thesis in Chemical Engineering	8
Total Credit Hours		30

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

Accelerated BS in Chemical Engineering to MS in Chemical Engineering

An accelerated option is available for the BS in Chemical Engineering to MS in Chemical Engineering (<https://catalog.missouri.edu/collegeofengineering/chemicalengineering/bs-chemical-engineering/>). Refer to the Graduate School's webpage on Accelerated Programs (<https://gradschool.missouri.edu/admissions/apply/accelerated-masters-applicants/>) for more information. For general information on how accelerated options work at MU, and for guidance on participation, refer to Accelerated Options (<https://catalog.missouri.edu/academicpolicies/acceleratedoptions/>) in the catalog.

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/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 15
- 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) [Only for students who do not receive an accredited undergraduate degree from a U.S. university]
- TOEFL (if you are an international student)
- Any additional documents requested by the Graduate School