

# 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.

<b>Core Coursework</b>		<b>12</b>
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
<b>Elective Coursework</b>		<b>15</b>
7000+ CH_ENG, Other Engineering, Physical, Chemical, or Biological Sciences. <sup>a</sup>		9
8000+ CH_ENG, Other Engineering, Physical, Chemical, or Biological Sciences. <sup>a</sup>		3
MATH 7000+ or CH_ENG 8470		3
<b>Additional Requirements</b>		<b>45</b>
CH_ENG 8087	Seminar in Chemical Engineering <sup>b</sup>	1
CH_ENG 9990	Research-Doctoral Dissertation in Chemical Engineering	44
<b>Total Credit Hours</b>		<b>72</b>

<sup>a</sup> Electives must be approved by student's advisor and dissertation committee.

<sup>b</sup> 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 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 required for students who do not completed an accredited undergraduate degree from a U.S. university]
- TOEFL (if you are an international student)
- Any additional documents requested by the Graduate School