

CHEMICAL ENGINEERING, MS

for the degree of Master of Science in Chemical Engineering

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This program is not currently accepting applications.

Students must be enrolled in the Chemical Engineering PhD (<http://catalog.illinois.edu/graduate/las/chemical-engineering-phd/>) program in order to receive the MS in Chemical Engineering.

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For additional details and requirements refer to the department's degree programs information (<http://chbe.illinois.edu/graduate-program/>) and the Graduate College Handbook (<http://www.grad.illinois.edu/gradhandbook/>).

Thesis Option

Code	Title	Hours
Coursework		20
CHBE 599	Thesis Research (min 12 applied toward degree)	12
Total Hours		32

Other Requirements

Requirement	Description
Other requirements may overlap	
Credit for CHBE 565 may not be applied to the degree requirements.	
Minimum Hours Overall Required	8
Within the Unit:	
Minimum 500-level Hours Required	12
Overall:	
Minimum GPA:	2.75

Non-Thesis Option

Code	Title	Hours
Coursework		30-32
CHBE 565	CHBE Seminar (Must be taken every semester that the student is in residence. Max 2 hours may be applied.)	0-2
Total Hours		32

Other Requirements

Requirement	Description
Other requirements may overlap	
Maximum hours of CHBE 565 applied to the degree	2
Minimum Hours Overall Required	12
Within the Unit:	
Minimum 500-level Hours Required	16
Overall:	
Minimum GPA:	2.75

1. Knowledge of the concepts and problem-solving skills in mathematics, science, and engineering that are relevant to identifying, formulating, and solving defined research problems in the field of chemical and biomolecular engineering.
2. Ability to clearly and persuasively communicate (orally and in writing) the motivation for a research project, relevant scientific and engineering concepts, approach, experimental data, data interpretation, conclusions drawn from the research, and the significance of the findings to both experts in the field and non-expert scientists and engineers.
3. Ability to develop and conduct appropriate experimentation or computer simulation, analyze and interpret data, and use engineering judgment to draw conclusions.
4. An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.