

# MASTER OF SCIENCE IN CHEMICAL ENGINEERING

The School of Chemical & Biomolecular Engineering offers the MS degree in Chemical Engineering. The MS degree has two options: coursework and thesis. Additional information about the School is available at <https://www.chbe.gatech.edu/> or upon request by calling 404.894.2877.

MS students in Chemical Engineering must successfully complete the following courses (or their equivalents) with an average cumulative GPA of 2.7 or higher. All courses must be completed with a grade of A, B, or C.

## Non-Thesis Option

Code	Title	Credit Hours
CHBE 6003	Chemical Process Safety	1
CHBE 6100	Advanced Chemical Engineering Thermodynamics	3
CHBE 6200	Advanced Transport Phenomena, Fluid Mechanics, and Heat	3
CHBE 6260	Transport Phenomena-Mass Transfer	3
CHBE 6300	Kinetics and Reactor Design	3
CHBE 6500	Mathematical Modeling and Analysis of Chemical Processes	3
CHBE Elective		3
Other Electives		12
<b>Total Credit Hours</b>		<b>31</b>

## Thesis Option

Code	Title	Credit Hours
CHBE 6003	Chemical Process Safety	1
CHBE 6100	Advanced Chemical Engineering Thermodynamics	3
CHBE 6200	Advanced Transport Phenomena, Fluid Mechanics, and Heat	3
CHBE 6260	Transport Phenomena-Mass Transfer	3
CHBE 6300	Kinetics and Reactor Design	3
CHBE 6500	Mathematical Modeling and Analysis of Chemical Processes	3
CHBE Elective		3
Other Elective		3
CHBE 7000	Master's Thesis	9
<b>Total Credit Hours</b>		<b>31</b>

The MS thesis defense examination will be conducted by the Doctoral Examination Committee chosen by the student and the thesis advisor and approved by the Graduate Studies Committee and the Dean of Graduate Studies. The examination will be announced throughout the School and will be open to the academic community. The student will be required to make an oral presentation of the final thesis. If both the dissertation and examination are satisfactory, and there is compliance with all the requirements of the MS program, then the candidate will be certified as qualified to receive the Master's Degree.