

M.S. in Chemistry

Degree Requirements

A minimum of 30 degree credits is required. Students must attain a cumulative GPA of 3.0 or better in the core courses listed below, and a minimum overall GPA of 3.0.

Seminar: In addition to the minimum 30 degree credits required, all students who receive departmental or research-based awards must enroll each semester in CHEM 791 Graduate Seminar.

M.S. in Chemistry (courses only)

Code	Title	Credits
Required Courses		12
Take four of the following five core courses:		
CHEM 605	Advanced Organic Chemistry I: Structure	
CHEM 610	Advanced Inorganic Chemistry	
CHEM 658	Advanced Physical Chemistry	
CHEM 661	Instrumental Analysis Laboratory	
CHEM 673	Biochemistry	
If a student successfully completes all five core courses, one course will count towards fulfilling the electives requirement. Students must maintain a 3.0 GPA or higher.		
Elective Courses		
Two 600- or 700-level chemical engineering or chemistry courses		6
Four electives ¹		12
Total Credits		30

¹ A maximum of 6 elective credits may be taken from outside chemistry or chemical engineering; a maximum of 3 credits may be at the 500 level.

M.S. in Chemistry (Master's thesis)

Code	Title	Credits
Required Courses		12
Take four of the following five core courses:		
CHEM 605	Advanced Organic Chemistry I: Structure	
CHEM 610	Advanced Inorganic Chemistry	
CHEM 658	Advanced Physical Chemistry	
CHEM 661	Instrumental Analysis Laboratory	
CHEM 673	Biochemistry	
If a student successfully completes all five core courses, one course will count towards fulfilling the electives requirement. Students must maintain a 3.0 GPA or higher.		
Thesis ¹		6
Track 1		
CHEM 700B	Masters Project	
CHEM 701B	Masters Thesis	
Track 2		
CHEM 701B & 701B	Masters Thesis and Masters Thesis	
Track 3		
CHEM 701C	Masters Thesis	
Elective Courses ²		
Four electives		12
Total Credits		30

- ¹ With permission of their research advisor, students intending to do an MS thesis may first register in the 700B MS Project course. They must receive a satisfactory (S) grade in CHEM 700B before CHEM 701B MS Thesis registration in the immediate following semester with the same advisor. The MS thesis topic should be continuation of the work done in CHEM 700B. Alternatively, students may be allowed to register in the 3-credit MS thesis course CHEM 701B in two consecutive semesters, or in the 6-credit MS thesis course CHEM 701C in a single semester with permission of their research advisor.
- ² A maximum of 6 elective credits may be taken from outside chemistry or chemical engineering; a maximum of 3 credits may be at the 500 level.