

Chemistry, MS

Requirements

The Master of Science in chemistry requires a minimum of 30 s.h. of graduate credit. Students must maintain a Graduate College grade-point average of at least 2.75. The MS may be a primary degree objective or completed *en passant*, i.e., as part of pursuing the PhD in chemistry. The degree is offered with or without thesis.

Graduate study in chemistry is highly individualized. Students develop a plan of study in conjunction with a faculty advisor, which takes into account their previous preparation and educational goals. Coursework may include review courses and advanced courses, pedagogy, seminar, research, and professional development.

University of Iowa courses offered outside the Department of Chemistry and graduate transfer credit must be relevant to the student's plan of study, supported by the advisor, and approved by the department to count toward degree requirements.

The MS in chemistry requires the following coursework.

Core Courses

Course #	Title	Hours
Both of these:		
CHEM:5091	Graduate Chemistry Orientation	2-3
CHEM:7270	Ethics in Chemical Sciences	1

Research in Chemistry

Students must complete at least 3 s.h. in CHEM:7999 Research in Chemistry. Students completing a thesis are permitted, but not required, to apply an additional 6 s.h. of CHEM:7999 toward the elective requirement, for a maximum total of 9 s.h. toward the degree. Students completing the degree without thesis are permitted, but not required, to apply an additional 1 s.h. of CHEM:7999 toward the elective course requirement, for a maximum total of 4 s.h. toward the degree.

Divisional Seminar

Students completing a thesis must present a research seminar by completing one of the following courses for 1 s.h. Students completing the degree without thesis are welcome to enroll in a seminar course but are not required to do so.

Course #	Title	Hours
One of these:		
CHEM:5190	Seminar: Analytical Chemistry	1
CHEM:5290	Seminar: Inorganic and Chemical Education Research	1
CHEM:5390	Seminar: Organic Chemistry	1
CHEM:5490	Seminar: Physical and Environmental Chemistry	1

Elective Courses

Elective courses must bring the total credit to a minimum of 30 s.h. for the degree.