

Visualizing the MS in Chemistry Program

MS Program Requirements:

Students in the MS in Chemistry program must complete three of the following Advanced Chemistry courses:

QUIM 6215 – Advanced Analytical Chemistry

QUIM 6605 – Advanced Physical Chemistry

QUIM 6401 – Advanced Organic Chemistry

QUIM 6011 – Advanced Inorganic Chemistry

QUIM 6715 – Advanced Biochemistry

Complete the Advanced Chemistry courses, electives and graduate level courses for a total of 22 credit hours.

Complete: QUIM 6005 – Seminar I, and QUIM 6006 – Seminar II. Students take QUIM 6005, in their third or fourth semester in the program. In QUIM 6006, students describe their research efforts, and this course is usually taken in one of their last two semesters in the program.

Complete 6 credit hours in research QUIM 6998, write a thesis summarizing the results of the research and defend the research in front of their graduate studies committee.

Most students take three years to complete their M.S. in Chemistry. The following tables show students' possible progress towards the MS Program, throughout a period of three years. It is not required that students make progress exactly as shown below. These tables are only shown to help visualize the MS program:

Year 1

First Semester (August)	Second Semester (January)
Advanced Chemistry Course (1 st of 3) Course	Advanced Chemistry Course (2 nd of 3) Course
Course	Course
Interview at least three professors, and select as research advisor by the end of the semester.	Establish their Graduate Studies Committee, and prepare Plan of Study for MS program.

At the end of the first year, students should have completed 18 of the 22 credit hours required for MS program.

Summer:

Start research and become familiarized with group's research, perform literature search for research project, and start preparing research proposal.

Year 2

First Semester (August)	Second Semester (January)
Advanced Chemistry Course (3 rd of 3)	QUIM 6005 – Seminar I
Course – 1 credit	QUIM 6998 – Research
QUIM 6998 - research	
Complete research proposal by end of semester.	

Students complete the 22 required credit hours at the end of the first semester.

Summer: Continuing working in research

Year 3

First Semester (August)	Second Semester (January)
QUIM 6006 – Seminar II	QUIM 6998 - Research
QUIM 6998 - Research	Complete writing of M.S. Thesis
	Defend M.S. Thesis
	Turn in Completed and Approved Thesis