

Two-Year Schedule Template

Fall - 1st Year	Hours
CHM 6xx 600-level elective	3
CHM 6xx 600-level elective	3
CHM 701 Chemistry Seminar*	1
CHM 798 Research	2
Total Hours	9
Spring - 1st Year	Hours
CHM 6xx 600-level elective	3
CHM 6xx 600-level elective	3
CHM 700 Chemistry Colloquium	1
CHM 798 Research	2
Total Hours	9
Summer - 1st Year	Hours
CHM 798 Research	2
CHM 799 Thesis	1
Total Hours	3
Fall - 2nd Year	Hours
CHM 700-level 3 hour elective	3
CHM 700 Chemistry Seminar*	1
CHM 799 Thesis	2
Total Hours	6
Spring - 2nd Year	Hours
CHM 700-level 3 hour elective	3
CHM 700 Chemistry Colloquium	1
CHM 799 Thesis	3
Total Hours	7
600 level credit	12
700 level credit*	20
Total Hours	32
*CHM 701 is pass/fail and does not count towards 32-hour requirement.	

Sample Schedule

Fall - 1st Year	Hours
CHM 642 Adv. Organic Chem.	3
CHM 606 Physical Chemistry	3
CHM 701 Chemistry Seminar*	1
CHM 798 Research	2
Total Hours	9
Spring - 1st Year	Hours
CHM 675 Adv. Inorganic Chem.	3
CHM 652 Biochemistry II	3
CHM 700 Chemistry Colloquium	1
CHM 798 Research	2
Total Hours	9
Summer - 1st Year	Hours
CHM 798 Research	2
CHM 799 Thesis	1
Total Hours	3
Fall - 2nd Year	Hours
CHM 760 Chem. of Environ. Sys.	3
CHM 700 Chemistry Seminar*	1
CHM 799 Thesis	2
Total Hours	6
Spring - 2nd Year	Hours
CHM 702 Adv. Topics in Chem.	3
CHM 700 Chemistry Colloquium	1
CHM 799 Thesis	3
Total Hours	7
600 level credit	12
700 level credit*	20
Total Hours	32
*CHM 701 is pass/fail and does not count towards 32-hour requirement.	



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Master of Science in Chemistry

Department of Chemistry and Biochemistry

College of Natural and Applied Sciences

www.chemistry.missouristate.edu

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Master of Science Degree in Chemistry

The master's degree program in chemistry, started in 1993, focuses on applied chemistry and is designed to prepare graduates for responsible positions in industrial or government laboratories or for advanced studies at the doctoral level. Areas of specialization include analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, and physical chemistry, as well as interdisciplinary studies in biotechnology, environmental science and materials science. The program provides an individualized curriculum and permits close interactions between students and faculty members. In addition, the number of faculty is sufficiently large to make available a wide range of research opportunities. Formal courses, graduate seminars, professional advisement, directed research, and a master's thesis will be incorporated into a customized curriculum based on the individual's scholastic background and career goals.

What's in it for me?

- Median starting salary for MS: \$52,000; Median salary for all MS Chemists: \$81,000
- Financial assistance--eligibility for a graduate assistantship (tuition waiver + stipend)
- Teaching opportunities
- Focused and specific research in modern analytical, biochemistry, environmental, inorganic, organic and physical chemistry fields
- Networking opportunities
- Ph.D. program preparation/ opportunities

Admission Requirements

1. A bachelor's degree from an accredited institution in the U.S. or equivalent training at an international university.
2. A minimum overall GPA of 3.00 on a 4.00 scale, or a minimum
3. GPA of 3.00 on a 4.00 scale for the last 60 hours of course work.
4. Scores from the verbal and quantitative sections of the Graduate Record Examination. Normally, students are expected to score at or above the 50th percentile on each section of the GRE.
5. International applicants are also required to submit a score for the Test of English as a Foreign Language (TOEFL) of not less than 550 on the paper-based exam or a comparable score of 213 on the computer-based exam or 79 on the internet-based exam, with a minimum of 50th percentile on the Listening Comprehension Section.
6. A minimum undergraduate background in chemistry of two semesters each of general and organic chemistry, and one semester each of analytical chemistry and inorganic chemistry.



Graduation Requirements

A candidate must complete a minimum of 32 hours of graduate credit (including research and thesis) with at least a 3.0 graduate GPA. Each M.S. candidate must successfully complete and defend a thesis based on an approved chemical research topic and pass a written comprehensive examination. With approval of the student's advisory committee, a maximum of eight hours may be selected from related fields, and up to eight graduate chemistry hours may be transferred from another institution. A full-time student will normally complete requirements within two calendar years.

Alumni Accomplishments

Recent Graduates continuing to PhD Programs

Samuel Kasson, University of Cincinnati.
Jacob Blankenship, UCSB in Santa Barbara
Aaron Proctor, University of Michigan
Eric Tague, University of Tennessee
Jenn Schott, University of Tennessee
Xiaozheng Dou, University of Oklahoma
Quinton Wyatt, University of Missouri
Margaret Adleani, St. Louis University

Recent Graduates continuing to Industry

Roni Balzam, Sano International, Israel
Mallory Langford, AECI
Sarah Nichols, Monsanto
Melissa Yarbrough, Pfizer
Chris Reynolds, OK Medical Research Fdn
Zachary Wilson, DairiConcepts
Bryttani West, OraLabs, Inc.

Recent Graduates continuing to Med. School

William Ehrhardt, KCUMB, Joplin
Monica Kinde, KU, Joplin

Recent Graduates continuing to Military Serv.

Brett Huntley, US Navy
Andrew Eckelman, US Army