CHEMISTRY (MS)

A program of study leading to the Master of Science degree in Chemistry is designed for students who have a BA or BS in Chemistry or Biochemistry and:

- are looking to increase their educational level to MS to expand career options
- would like to expand their research and educational experience in preparation for a PhD program

Many of the MS courses are scheduled in the evening or online to allow working professionals to access the program.

Program Requirements	Quarter Hours
Degree Requirements	48
Total hours required	**48**

Learning Outcomes

Students will be able to:

- Critique the results of experiments and representative problems based on core chemical principles, both orally and in writing.
- Graphically represent scientific data for a professional audience.
- Formulate a chemical problem of interest and propose an appropriate solution.
- Integrate chemical knowledge to create a persuasive and justifiable scientific argument regarding results.
- State future directions for and impact of their work on the scientific community.

Degree Requirements

Course Requirements

Graduate Common Core (8 courses/32 credit hours)

Course	Title	Quarter Hours
CHE 494	SCIENCE WRITING AND COMMUNICATION	4
Select six of the following common core courses:		24
CHE 422	INORGANIC STRUCTURE AND REACTIVITY	
CHE 424	GROUP THEORY	
CHE 442	PROTEIN STRUCTURE AND FUNCTION	
CHE 444	ADVANCED TOPICS IN PROTEIN BIOCHEMISTRY	
CHE 450	ADVANCED MECHANISTIC ORGANIC CHEMISTRY	
CHE 452	ADVANCED SYNTHETIC ORGANIC CHEMISTRY	
CHE 470	STATISTICAL THERMODYNAMICS	
CHE 472	MOLECULAR DYNAMICS	
Select one of the following special topics courses:		4
CHE 480	SPECIAL TOPICS IN ANALYTICAL CHEMISTRY	
CHE 482	SPECIAL TOPICS IN BIOCHEMISTRY	
CHE 484	SPECIAL TOPICS IN INORGANIC CHEMISTRY	
CHE 486	SPECIAL TOPICS IN ORGANIC CHEMISTRY	
CHE 488	SPECIAL TOPICS IN PHYSICAL CHEMISTRY	

Track Requirements

In addition to the 8 courses at 32 credit hours in the Graduate Common Core, Chemistry students must complete the requirements within their chosen track: Thesis Track or Non-Thesis Track.

Track Requirements

Concentrations, tracks and specializations provide focus to the degree. In addition to any degree requirements, students are required to choose one of the following:

- Non-Thesis Track, Chemistry (MS) (https://catalog.depaul.edu/programs/chemistry-ms/non-thesis-track-chemistry-ms/)
- Thesis Track, Chemistry (MS) (https://catalog.depaul.edu/programs/chemistry-ms/thesis-track-chemistry-ms/)

Program Graduate Academic Student Handbook

Academic Probation

Students must maintain a minimum cumulative GPA of 2.75 to remain in good standing. A student whose cumulative GPA falls below 2.75 will be placed on academic probation.

Academic Dismissal

Students on probation have at most one academic quarter of coursework to raise their cumulative GPA to at least a 2.75. If a student does not, then he/she may be academically dismissed for a violation of satisfactory progress.

All students are expected to adhere to the Code of Student Responsibility as outlined in the Graduate Student Handbook. Any violation of the Code of Student Responsibility is considered very serious and is grounds for probation or dismissal at the discretion of the Chemistry Graduate Committee or Dean of Students.

Conditional Admission

An applicant may be admitted conditionally to the program at the discretion of the Chemistry Graduate Committee for one or more of the following reasons:

- Undergraduate GPA is less than 2.75 but the student has shown considerable promise in other areas (such as research).
- The applicant is missing one or two of the required courses but otherwise has met all of the criteria for admission; the applicant will be required to complete the missing coursework either at DePaul or comparable institution as a condition prior to taking graduate courses for which the missing course(s) is(are) prerequisite.

The Chemistry Graduate Committee will consider other circumstances not included in the above list on an individual basis.

Transfer Credit

Up to 12 quarter hours (or semester equivalent) of coursework may be accepted as transfer credit towards the M.S. degree for courses taken at another institution or through another DePaul program that articulate with current courses in the chemistry graduate program. Credits applied toward the completion of a degree at DePaul or another institution will

not be accepted as transfer credit. Written approval must come from graduate program director and associate dean for graduate studies.

Graduation Requirements

Students need a minimum cumulative GPA of 2.75 in courses required by the program to be eligible for graduation.

Graduation with Distinction

Students may graduate “with distinction” by earning a minimum cumulative GPA of 3.75 for coursework applied toward the chemistry graduate program, or on the recommendation of the thesis defense committee.

Time Limitation

Students pursuing a master's degree must complete all requirements for the master's degree within a maximum of six years from the first term of enrollment in the program.