CHEMISTRY (MS)

Program Requirements | Quarter Hours
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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)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Quarter Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHE 494</td>
<td>SCIENCE WRITING AND COMMUNICATION</td>
<td>4</td>
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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.

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 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.