

# Chemistry, MS

## Learning Outcomes

Students will:

- independently learn new chemical principles and techniques beyond those typical of undergraduate academic training;
- identify original and worthwhile chemical problems stated as research questions and hypotheses;
- design and execute experiments as part of independent chemistry research investigations;
- critically evaluate their data, results, and conclusions and those of others in the chemistry community;
- identify potential problems in the responsible conduct of research and identify strategies for managing those problems;
- articulate standards for laboratory safety in chemical research, assess potential hazards they may encounter in novel chemistry research, and develop effective strategies to mitigate those risks; and
- communicate chemical knowledge, new models, and research results both orally and in writing for both technical and nontechnical audiences.

## Requirements

The Master of Science program in chemistry requires a minimum of 30 s.h. of graduate credit. The degree is offered with or without thesis. MS requirements include proficiency examinations and core courses as necessary in biochemistry; analytical, inorganic, organic, and/or physical chemistry; and additional advanced coursework. Students must have a cumulative grade-point average of at least 2.75 or higher to complete the MS.

## Admission

Applicants for graduate admission should have a bachelor's degree with a major in chemistry or a related field, preferably with a grade-point average of 3.00 or higher. For application information, contact the Department of Chemistry or visit its website.

Applicants must meet the admission requirements of the Graduate College; see the Manual of Rules and Regulations on the Graduate College website.

## Career Advancement

Students with a chemistry degree can pursue careers in a wide range of fields. Learn more about career options for chemistry majors on the American Chemical Society website.

The Pomerantz Career Center offers multiple resources to help students find internships and jobs.