CHEMISTRY

Sterling Chemistry Laboratory, 203.432.3913
http://chem.yale.edu
M.S., Ph.D.

Chair
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Director of Graduate Studies
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Assistant Professors Richard Baxter, Jason Crawford, Ziad Ganim, Timothy Newhouse, Sarah Slavoff, Hailiang Wang

Lecturers Paul Anastas, Christine DiMeglio, Narasimhan Ganapathi, Jonathan Parr

* A secondary appointment with primary affiliation in another department.

FIELDS OF STUDY
Fields include bio-inorganic chemistry, bio-organic chemistry, biophysical chemistry, chemical biology, chemical physics, inorganic chemistry, materials chemistry, organic chemistry, physical chemistry, physical-inorganic chemistry, physical-organic chemistry, synthetic-organic chemistry, and theoretical chemistry.

SPECIAL ADMISSIONS REQUIREMENTS
Applicants are expected to have completed or be completing a standard undergraduate chemistry major including a year of elementary organic chemistry with laboratory, and a year of elementary physical chemistry. Other majors are acceptable if the above requirements are met. The GRE General Test is required. The GRE Subject Test is strongly recommended though not required. Students whose native language is not English are required to take the Test of English as a Foreign Language (TOEFL).

SPECIAL REQUIREMENTS FOR THE PH.D. DEGREE
A foreign language is not required. Three term courses are required in each of the first two terms of residence. Courses are chosen according to the student’s background and research area. To be admitted to candidacy a student must (1) receive at least two term grades of Honors, exclusive of those for research; (2) pass one oral examination (preparative chemistry students) or two oral examinations (physical chemistry students) by the end of the second year of study; and (3) submit a thesis prospectus no later than the end of the third year of study. Remaining degree requirements include completing a formal proposal (inorganic, organic, and chemical biology students), a written thesis describing the research, and an oral defense of the thesis. The ability to communicate scientific knowledge to others outside the specialized area is crucial to any career in chemistry. Therefore, all students are required to teach a minimum of two terms at a TF level 20. Students may be required by their advisers to teach in additional terms, but would not be required to teach more than five terms over their first five years. All students are required to take CHEM 590, Ethical Conduct and Scientific Research, in the fall term of their first year of study.

MASTER’S DEGREE
M.S. (en route to the Ph.D.) A student must pass at least five graduate-level term courses in the Chemistry department exclusive of seminars and research. In addition, an overall average (exclusive of seminars and research) of High Pass must be maintained in all courses. One full year of residence is required.

Program materials are available upon request to the Director of Graduate Studies, Department of Chemistry, Yale University, PO Box 208107, New Haven CT 06520-8107.

COURSES