The study of chemistry at Lake Forest College is uniquely like an apprenticeship: hands-on, research-laden, and faculty-driven. Using the newest technologies, techniques, and instrumentation, students make new discoveries and push the limits of today's important chemistry questions. Chemistry majors at Lake Forest College graduate well prepared for immediate careers or entrance to top graduate schools in chemistry, medicine, pharmacy, and more.

**INSTRUMENTATION:**
- 400 and 60 MHz nuclear magnetic resonance spectrometers (NMRs)
- Fourier transform infrared spectrometers
- GC mass spectrometer
- Laser spectrometer (SERS)
- Liquid chromatograph-mass spectrometer (LC-MS)
- Single crystal X-ray diffractometer
- Diode array visible and ultraviolet spectrophotometers

**RESEARCH PROJECTS:**
- Synthesis of new materials in ionic liquids
- Surface Enhanced Raman Spectroscopy (SERS) of pigments used in fine art
- Modeling mechanisms for ethylene oligomerization

**PROFESSORS:**
- Jason Cody makes new compounds in unusual solvents.
- Paul Gladen develops new strategies and methods to synthesize naturally occurring bioactive molecules.
- Nilam Shah uses surface-enhanced Raman spectroscopy and nanoparticles to identify pigments in works of art.
- Dawn Wiser uses computer modeling to study transition metal catalysts used to make compounds of interest to the polymer and pharmaceutical industries.
CHICAGO offers chemistry students and faculty opportunities to collaborate on data collection and research with area institutions, including University of Chicago, Northwestern University, and the Art Institute of Chicago.

**STUDENTS PUBLISHED IN:** _Inorganic Chemistry_ • _Journal of Chemical Education_ • _Polyhedron_ • _Acta Crystallographica, Section E_ • _Organometallic_

In addition to masters degree programs at Yale, University of Leipzig, and Rollins’ School of Public Health at Emory University, students have gone on to prestigious doctoral and medical/pharmacy school programs across the country.

**PhD Programs:**

- Princeton University
- Cornell University
- Massachusetts Institute of Technology
- Northwestern University
- University of Rochester
- Pennsylvania State University
- Duke University
- University of California, Irvine

**Medical/Pharmacy School Programs:**

- Rush University
- Northwestern University
- Rosalind Franklin
- New York University
- Jefferson University

**Recent job placements for chemistry graduates:**

- Baxter Healthcare
- GlaxoSmithKline Pharmaceuticals
- Johns Hopkins Hospital
- Pepsico, Research and Development
- Abbvie Pharmaceuticals
- Wr Meadows Manufacturing
- Accenture

Learn about our accomplished faculty, requirements for the major, and more at lakeforest.edu/academics/chemistry