Chemistry

The Department of Chemistry offers programs of study leading to the Doctor of Philosophy and Master of Science degrees. These degrees are based on coursework and original research. Many research projects merge disciplines such as chemical/synthetic biology, biophysics/physics, computational science, informatics, photonics/photophysics and materials science with chemistry. General courses as well as advanced and special topics courses are offered.

Admission Requirements

Applicants should have an undergraduate degree in chemistry or in a closely related field with a strong chemistry background. A GPA of at least 3.0 in the sciences is needed for consideration. GRE General Test scores are not required. Admission decisions are made as completed applications are received. For most favorable consideration for the Fall term, all application materials should be received by January 15 (both domestic and international students).

Master’s Degree Requirements

The Master of Science (M.S.) degree in chemistry is a research degree that requires six graduate courses, a minimum of 30 credit hours, and research leading to a thesis.

Doctoral Degree Requirements

In the doctoral program, emphasis is placed on original research and a comprehensive knowledge of one’s chosen field.

Student Financial Support

Incoming graduate students are supported by departmental teaching assistantships. Outstanding applicants are eligible for supplemental fellowships during their first year of study. Research assistantships are normally available to second-, third-, and fourth-year students. The department also has fellowships for students interested in the area of electronic materials, biotechnology and pharmaceutical and synthetic organic chemistry, as well as travel funds to attend and deliver an oral presentation professional meeting(s).

Other Relevant Information

The Chemistry Department forms part of the College of Sciences. More than one dozen new faculty members have been added in the last ten years, thereby greatly enhancing opportunities for graduate research especially in cutting edge interdisciplinary programs.

Degrees

- Chemistry (MS) (http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-ms/)
- Chemistry (PhD) (http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-phd/)
- Chemistry (Minor) (http://catalog.ncsu.edu/graduate/sciences/chemistry/chemistry-minor/)

Faculty

Full Professors

Dimitris S. Argyropoulos

Edmond F. Bowden

Felix Nicholas Castellano

Stefan Franzen

Christopher B. Gorman

Jonathan S. Lindsey

James D. Martin

David C. Muddiman

Alexander A. Nevzorov

Maria T. Oliver-Hoyo

David A. Shultz

Alexej I. Smirnov

Leslie A. Sombers

Brian Space

Gavin John Williams

Associate Professors

Nelson Rodrigo Vinueza Benitez

Erin Marie Baker

Nelson R. Vinueza Benitez

Michael S. Bereman

Ryan Chiechi

Reza A. Ghiladi

Elon A. Ison

Elena Jakubikova

Lucian A. Lucia

Paul A. Maggard

Joshua Glenn Pierce

Tatyana I. Smirnova

Yi Xiao

Assistant Professors

Oliver Baars

Yevgeny Brudno

Wei-Chen Chang

Denis Fourches
Practice/Research/Teaching Professors

P. Brown
J. Feducia
M. Gallardo-Williams
A. Ison
M. Martin
G. S. McCarty
L. Del Negro
L. Petrovich
G. Rabah
K. Sandberg
L. Sremaniak
M. Voynov
R. Warren

Emeritus Faculty

Alton J. Banks
Robert D. Bereman
Charles Boss
Carl L. Bumgardner
Halbert H. Carmichael
Daniel L. Comins
Forrest W. Getzen
Forrest C. Hentz
Morteza Khaledi
S. Levine
Charles Moreland
Suzanne T. Purrington
William L. Switzer
William P. Tucker

Adjunct Faculty

V. Bornemann