Chemistry

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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
Edith Glazer
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
Chemistry

Denis Fourches
Milena Jovanovic
Vincent Lindsay
Jun Ohata
Caroline Proulx
Thomas Theis

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
Dennis W. Wertz
Myung H. Whangbo
Jerry L. Whitten

Adjunct Faculty

V. Bornemann