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

**Associate Professors**

Erin Marie Baker
Nelson R. Vinueza Benitez
Michael S. Bereman
Reza A. Ghiladi
Elon A. Ison
Elena Jakubikova
Lucian A. Lucia
Paul A. Maggard
Joshua Glenn Pierce
Tatyana I. Smirnova

**Assistant Professors**

Oliver Baars
Yevgeny Brudno
Wei-Chen Chang
Denis Fourches
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

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**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

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**Adjunct Faculty**

V. Bornemann