

# Department of Chemistry and Biochemistry

UNIVERSITY of NORTH CAROLINA WILMINGTON

UNCW offers intensive, student-oriented programs in chemistry and biochemistry that award Bachelor of Arts, Bachelor of Science\* and Master of Science degrees. Our expert faculty combine classroom instruction with innovative research to provide an ideal environment for training tomorrow's scientists, physicians and teachers.



## THE DEPARTMENT IS AMONG THE **TOP 5 PERCENT** OF MASTER'S DEGREE-GRANTING INSTITUTIONS IN THE U.S.

### Among NC public universities for 2016-17, UNCW is:

- **3rd** in total number of chemistry degrees (70)
- **2nd** in ACS-certified undergraduate chemistry degrees (33)
- **1st** in master's degrees (19)



### Faculty and students use state-of-the-art instrumentation to conduct internally and externally funded research in:

- analytical chemistry
- biochemistry
- biopharmaceuticals
- chemical education
- computational and physical chemistry
- marine and atmospheric science
- natural product chemistry
- organic and inorganic synthesis

### State-of-the-art instruments include:

- Agilent 1290 Infinity UHPLC w/Bruker Microtof-Q II high resolution mass spectrometer
- Agilent 1290 Infinity UHPLC w/ Bruker Amazon SL mass spectrometer
- Bruker 600 MHz NMR spectrometer
- Bruker Scion quadrupole GC/MS



In response to regional economic needs, the department is adding a track in pharmaceutical chemistry to the M.S. degree program. It is funded by a substantial gift from a local high-growth company that conducts contract chemical analyses for the pharmaceutical industry and employs many UNCW graduates.

Nearly 100 percent of UNCW chemistry graduates find relevant employment after completing their degrees, a strong indicator of the program's success. Enhancing the university's academic programs through applied learning experiences and research opportunities is among the priorities outlined in UNCW's Strategic Plan at [www.uncw.edu/strategicplan](http://www.uncw.edu/strategicplan).

To learn more, visit [uncw.edu/chem](http://uncw.edu/chem).

\* B.S. degree graduates are certified by the American Chemical Society's Committee on Professional Training.