

BACHELOR OF SCIENCE IN Chemistry



PROGRAM OVERVIEW »

BACHELOR OF SCIENCE | MAJOR | MINOR

Our chemistry program has an outstanding record of placing students beyond Stetson, with students pursuing postgraduate study in a wide range of areas, including the physical, biological, and forensic sciences, business, law, as well as medical, dental, and pharmacy school. With a major in chemistry, you will also be well prepared to directly enter the workforce as government, environmental or industrial lab researchers.

MAKING A DIFFERENCE »

We are extremely proud of our graduates. Here are a few recent examples of co-authored published works from our alumni:

Lacey Lux - Heat-treatment of metal-organic frameworks for green energy applications, Lux, Lacey and Williams, Kia and Ma, Shengqian; CrystEngComm (The Royal Society of Chemistry) 2015 17 (1), 10-22. DOI: 10.1039/C4CE01499E

Mary Jane Simpson - Spatial Localization of Excitons and Charge Carriers in Hybrid Perovskite Thin Films, Mary Jane Simpson, Benjamin Doughty, Bin Yang, Kai Xiao, and Ying-Zhong Ma, The Journal of Physical Chemistry Letters 2015 6 (15), 3041-3047. DOI: 10.1021/acs.jpcclett.5b01050

Jacob B. Geri - A Proton-Switchable Bifunctional Ruthenium Complex That Catalyzes Nitrile Hydroboration, Jacob B. Geri and Nathaniel K. Szymczak, Journal of the American Chemical Society 2015 137 (40), 12808-12814. DOI: 10.1021/jacs.5b08406

Jacob B. Geri - A systematic examination of ligand basicity effects on bonding in palladium(0)- and palladium(II)-ethylene complexes, Jacob B. Geri and John T. York (2018) Inorganica Chimica Acta, 483, 191-202.

Jacob B. Geri - Testing the Push-Pull Hypothesis: Lewis Acid Augmented N₂ Activation at Iron, Jacob B. Geri, James P. Shanahan, and Nathaniel K. Szymczak, Journal of the American Chemical Society 2017 139 (16), 5952-5956. DOI: 10.1021/jacs.7b01982

Richard Coulson - Model-effects on likelihood ratios for fire debris, Richard Coulson, Mary R. Williams, Alyssa Allen, Anuradha Akmeemana, Liqiang Ni and Michael Sigman (2018) Forensic Chemistry, 7, 38-46.

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Chemistry examines the structure and behavior of matter at the atomic and molecular level. There is both a subtlety and a cleverness to the art. Its practical applications are many, from medicine to plastics and from our planet's atmosphere to alternative forms of energy production. Stetson's chemistry program offers a comprehensive instructional program supported by modern laboratory instrumentation with an emphasis on small class size and close attention to the needs and interests of the individual student.

Darash Desai - Rapid and Specific Drug Quality Testing Assay for Artemisinin and Its Derivatives Using a Luminescent Reaction and Novel Microfluidic Technology, Nga T. Ho, Darash Desai, Muhammad H. Zaman, The American Journal of Tropical Medicine and Hygiene (2015), 92 (6), 24 – 30. DOI: <https://doi.org/10.4269/ajtmh.14-0392>

S.R. Burket - Determination of nicotine and its metabolites accumulated in fish tissue using hydrophilic interaction liquid chromatography coupled with tandem mass spectrometry, Chang, Y.-W., Nguyen, H. P., Chang, M., Burket, S. R., Brooks, B. W. and Schug, K. A. (2015), Journal of Separation Science, 38: 2414–2422. DOI:10.1002/jssc.201500235

FACULTY »

Our experienced and successful faculty will help guide you through the journey of our program.

- **W. Tandy Grubbs**, PhD, Duke University
- **Ramee Indralingam**, PhD, University of Florida
- **Delphine Prevote Pinet**, PhD, University Paul Sabatier, Toulouse, France
- **Harry Price**, PhD, University of Illinois
- **John York**, PhD, University of Minnesota
- **Matthew Shannon**, PhD, Ohio State University
- **Paul Sibbald**, PhD, University of Washington



Scan to apply today!

BEYOND THE CLASSROOM

Over the last five years, 53 percent of our graduates have continued on to reputable graduate, medical, dental or other health science postgraduate Master's and Doctoral programs, and 27 percent have entered directly into the workforce.

Our alumni teach in high schools, colleges and universities. Others work in environmental labs and for manufacturers of healthcare and consumer products. Recent alumni have matriculated in postgraduate programs at:

- Notre Dame University
- Duke University
- Georgetown University
- Vanderbilt University
- Georgia Institute of Technology
- Cornell University
- Emory University
- University of Florida - College of Medicine
- University of Florida Pharmacy
- Johns Hopkins Medical School
- University of Wisconsin
- Stetson University College of Law
- Ohio State University
- University of California – San Francisco
- University of Michigan

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