Ph.D. Program in Chemistry with Emphasis in Chemistry Education

Overview

The Ph.D. in chemistry with an emphasis in chemistry education is designed for an individual who intends to pursue a career in chemistry education research and teaching at the university, four-year college or community college level. The program will allow the individual to serve as a faculty member in a department of chemistry. The course work will include a background in a traditional area of chemistry as other Ph.D. students. Students will also complete selected course work in statistics, education, educational psychology and curriculum development. These courses will be determined by the student’s advisor in consultation with the thesis committee and the student. Students in the chemistry education program will also complete a one-year research project in a traditional area of chemistry (students who earned a research-based Masters degree in Chemistry will have already fulfilled that requirement).

Course Work Requirements

- Complete coursework in traditional area of chemistry.
- Complete courses in following: Topics in Chemical Education Research, Quantitative Methods I and II (EPRS 8530 and EPRS 8540), EPRS 8500 Qualitative Methods I, EPY 8080 Memory and Cognition and other courses as directed by the students’ advisor.
- Take and pass the qualifying written examination in a traditional area of Chemistry
- Take and pass the oral qualifying exam
- Carry out a research project and write a dissertation in the area of Chemical Education and defend it.

Chemical Education Faculty and Research

Suazette Reid Mooring: Assistant Professor
Chemical Education, Organic Chemistry
Education
BS (2000): Morgan State University
MS (2004): Georgia Institute of Technology
Ph.D. (2010): Georgia State University
Postdoctoral Fellowship (2010-2012): Emory University