



**Multiple Graduate Student Positions available
Center for Aquatic Chemistry and Environment (CAChE)
Florida International University, Miami, FL**

The NSF-funded CREST program at Florida International University, the Center for Aquatic Chemistry and Environment (CAChE) has a number of *graduate student fellowships available in multiple departments, including Biology, Chemistry, Earth & Environment, Public Health, and Computer Sciences. In addition, we have one graduate fellowship available to work with the STEM Transformation Institute on the Education and Training components of the Center.*

The research focus of CREST CAChE is to address the sources, transport, transformation and ecosystem responses to contaminants, pollutants and other natural stressors, under changing land-use and environmental conditions. The proposed work will be performed across South Florida's interwoven systems, consisting of natural, agricultural, and human/urban zones.

CREST CAChE will specifically research the Subprojects listed below. However, students accepted into the CREST CAChE program will have opportunities to participate in all 4 areas, as well as internships and professional development activities.

1. Advanced sensing of environmental exposure to anthropogenic contaminants, pollutants and other natural stressors, and associated analytical methods development.
2. Quantifying fate and transport of contaminants across three landscape/system transects.
3. Data analytics, interpretation and visualization to assess anthropogenic effects on South Florida's aquatic ecosystems and convey findings to policy- and decision-makers.
4. Discipline based education research, including Discovery course development/evaluation.

Prospective graduate students are instructed to look at the list of CREST faculty mentors on the program website (CRESTCAChE.fiu.edu) and apply to the faculty member's appropriate department (Biology, Chemistry, Computer Science, Earth & Environment, or Public Health) and indicate your interest in the CREST program. Full 12-month stipends are available.

Students from groups traditionally underrepresented in science and engineering fields are especially encouraged to apply. US Citizenship or permanent residency is required. Direct any inquiries to CRESTCACHE@fiu.edu or 305-348-3594.

FIU is a Carnegie engaged public research university, classified as R1 highest research activity, and offers more than 180 bachelors, masters and doctoral programs. FIU is the largest majority minority RI institution in the US, with a student population of over 50,000. FIU is a vibrant, student-centered public research university, ideally located in Miami, that is worlds ahead in its commitment to learning, research, entrepreneurship, innovation, and creativity so that our graduates are prepared to succeed in a global market. CREST CAChE is a joint venture between FIU's [Institute for Water and environment](http://InWE.fiu.edu) (InWE.fiu.edu) and the [STEM Transformation Institute](http://STEM.fiu.edu) (STEM.fiu.edu).