

HENSON SCHOOL OF SCIENCE & TECHNOLOGY

Chemistry Department Earns ACS Recertification

SU's Chemistry Department earned recertification from the American Chemical Society (ACS). The reviewers of the six-year periodic report, effective through 2027, described SU as having a "strong chemistry program that meets all current ACS guidelines for professional training." The ACS also highlighted strengths of the department, including a new endowment to support research and travel, a recently replaced Nuclear Magnetic Resonance (NMR) spectrometer and a modernized advanced experimental laboratory.

New instrumentation with the addition of a Sherwood Scientific Evans Magnetic Susceptibility Balance, Schlenk line and associated glassware, vacuum pump, Gamry potentiostat, and prototyping electronics equipment marked highlighted upgrades to the department. With these enhancements and an increase in the number of faculty teaching courses, students can perform more than five new experiments and are benefiting from more expertise across the chemistry disciplines.

Faculty Named to Inaugural NSF All-BOARD Cohort

SU faculty in the Richard A. Henson School of Science and Technology were named to the inaugural cohort of the Alliance-Building Offshore to Achieve Resilience and Diversity (All-ABOARD) program.

Drs. Christina Bradley, Tom Cawthern, Mark Muller and Andrea Presotto will work with peers from Columbia University, Coastal Carolina University, West Virginia University and the University of Southern Florida for the next two years on diversity issues, networking, resilience and leadership development. Teams will take part in a unique in-person retreat that partially will take place on a research ship operated by the U.S. Academic Fleet.

The project is funded through the National Science Foundation's (NSF) Geoscience Opportunities for Leadership in Diversity – Expanding the Network, and is a unique ship-based professional development model that provides rising and established geoscience leaders with the tools they need to advance the goals of diversity, equity and inclusion on their home campuses.

Agencies Partner with ESRGC to Launch Eastern Shore Economic Recovery Project

In spring 2020, local economic and workforce development professionals from the Mid-Shore Regional Council and other organizations teamed with data visualization specialists from SU's Eastern Shore Regional GIS Cooperative (ESRGC) to apply for a \$400,000 grant from the U.S. Economic Development Administration to establish the program. Their mission is to create tools and strategies that will help the region recover from the economic shock of the pandemic.

The project has currently developed easy access to key economic indicators and uses publicly accessible data from resources such as the U.S. Census Bureau, American Community Survey and County Business Patterns. Data visualizations include interactive dashboards, web mapping applications and interactive reports. Much of the data was publicly available but was not in a form that was easy to use in driving actual decisions.

The Eastern Shore Economic Recovery Project ultimately will become part of the Delmarva Index, a tool the ESRGC has developed as a centralized repository that provides streamlined access to data and visualization of information about the Delmarva Peninsula.

