

# OCEAN SCIENCE AND ENGINEERING

USM Fisheries Oceanography and Ecology Lab

## GRADUATE DEGREES IN COASTAL SCIENCES

The Coastal Sciences Graduate Program (COA) at the Gulf Coast Research Laboratory is strategically located on the Gulf of Mexico near salt marshes, estuaries, barrier islands and the Pascagoula River — the nation's last free-flowing river in the lower 48 states. Students conduct research in one of the most biologically productive environments in the world, using the most advanced technologies available under internationally recognized scientists.

### LEARN FROM LEADERS IN THE FIELD

Currently, nearly 50 resident graduate students are working toward graduate degrees under the direction of coastal sciences faculty. Active faculty research programs provide students with opportunities to engage in multidisciplinary research and conduct original studies, providing coastal sciences graduates a competitive edge in the job market.

Coastal Sciences consists of talented faculty covering a wide range of disciplines within the Gulf Coast Research Laboratory's (GCRL) core research areas. Our faculty are nationally recognized in their respective fields, having authored hundreds of scientific publications and serving on regional, national and international councils and advisory panels.

Educational offerings through the division include both M.S. and Ph.D. degrees in coastal sciences. In addition to a general coastal sciences degree, students have the opportunity to select one of four emphasis areas: aquaculture, aquatic health sciences, coastal ecology and ecosystem processes, or fisheries and fisheries oceanography. Graduate students enrolled in these programs receive focused academic and hands-on training in a variety of marine-based fields. Graduates of this program have been accepted to prestigious Ph.D. programs and/or have gone on to successful careers in the private and public sectors in the fields of research, education, management and aquaculture.



### EXAMPLES OF RESEARCH

- Benthic Ecology
- Biological Modeling
- Chemical Oceanography
- Coastal Ecology
- Coastal Plants
- Coastal Restoration
- Conservation Genetics
- Fish Ecology
- Fisheries
- Infectious Diseases
- Invertebrate Ecology
- Landscape Ecology
- Marine Aquaculture
- Marine Microbiology
- Marine Toxicology
- Microbial Ecology
- Stock Enhancement

EOE/F/M/WETS/DISABILITY



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