



Coastal Sustainability Studio

2022 Summer Internship Program

WHO: Graduate students and undergraduate seniors from a range of disciplines (see program description):

HOW: To apply, please email no later than March 15, 2022, the following to sandyparfait@lsu.edu:

- 2-page Letter of Interest outlining who you are and why you're interested in this Summer Internship.
- Resume demonstrating performance in your area of study. Design students may include three design samples. Engineering and science students may include descriptions of research, other summer programs, or research papers. Social sciences, law, and communications students may include writing samples.

HOW MUCH: Compensation is \$20/hour for 30 hours/week. Interns will cover their own transportation and living expenses. Past interns have easily found housing during the summer.

Situated at the intersection of the Mississippi River and the Gulf of Mexico, South Louisiana is one of the most complex, and culturally rich environments in the nation; it is also one of the most vulnerable. The Mississippi River watershed includes 31 states and two Canadian provinces, draining over 40% of the United States. This vast area drains to the fragile Louisiana coast, which is vulnerable to climate change, land subsidence, and other critical environmental issues. Additionally, The region faces economic, infrastructural, and social challenges that require multi-disciplinary collaborations to build a more sustainable future.

The development of ecosystem designs that build regional economic and social values for the Mississippi Delta today will serve as models for what coastal and riverine communities around the world can expect in the future. By nature of its geology and geography, Louisiana is a living laboratory for how to utilize ecosystem design, innovative planning, and community collaboration for coastal sustainability.

Through innovative, trans-disciplinary approaches, the LSU Coastal Sustainability Studio (CSS) and Center for Coastal Resiliency (CCR) engage scientists, engineers, and designers to study issues of settlement, coastal restoration, flood protection, and economic development to develop innovative solutions for coastal communities. This focus on ecosystem design provides a sound basis to build adaptation into sustainable land-use planning, coastal protection, and education.

The LSU Coastal Sustainability Studio and Center for Coastal Resiliency will host a 2022 summer internship program in their highly collaborative, interdisciplinary studio environment situated at the Water Campus in Baton Rouge. Qualified candidates with interests as varied as geoscience, systems ecology, civil & environmental engineering, architecture, landscape architecture, geography, social sciences, environmental law & policy, resource economics, and community planning are invited to apply. Projects will address tasks associated with two research projects that embrace the 'Engineering with Nature' initiative within U.S. Army Corps of Engineers. Students will work with university researchers to developing ecosystem design approaches to solve challenges of living and working in dynamic coastal landscapes.

