



Coding for Marine Science

A Free Teacher Workshop

June 28-30, 2022

Workshop Description

Right now, Louisiana communities are facing substantial environment changes due to land loss and climate change. Coding for Marine Science provides a new perspective into the world of coding and environmental monitoring that we will rely on to understand and face these changes.

Educators will gain access to the support, content, and skill building to engage students in the use of coding for environmental monitoring. Participants will construct, code, and deploy monitoring stations powered by Raspberry Pi kits and probes.

The workshop also includes sessions about how LUMCON scientists collect field data, run data analyses, and interpret those data. Better understanding of coding for these applications and how marine scientists are using environmental monitoring will provide more flexibility for students to innovate and test their own creations as they apply to marine and environmental science.

Workshop Details

- The workshop will be held at the DeFelice Marine Center in Cocodrie, LA.
- Participants will be provided with meals and lodging (if required) during the workshop.*
- Participants will be provided with a Raspberry Pi kit for use in the classroom.
- Participants will work with LUMCON researchers to learn how they use coding and technology in their research programs.
- Participants will have students create projects and share insights through surveys.
- Participants will receive a \$250 stipend for attending and participating in workshop activities.

*Participants will be expected to adhere to all LUMCON COVID restrictions and policies.

Contact us if you have questions, would like more details, or would like to register for the workshop.

Workshop Contact: Murt Conover
mconover@lumcon.edu
u (985) 851-2860

Funding for the workshop was generously provided by

