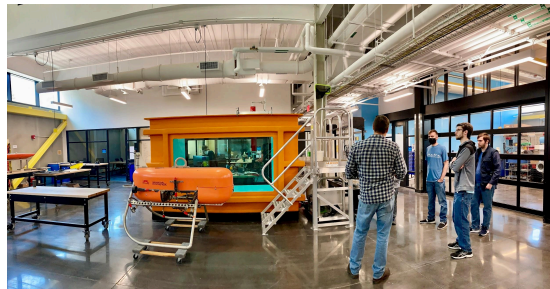
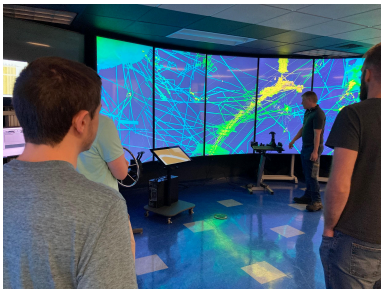


Dive into the **Bridge to Ocean Exploration (B2OE) Program** with the Ocean Exploration Cooperative Institute (OEI) at the **University of Rhode Island's (URI) Graduate School of Oceanography (GSO)**! Dip your toes into the multidisciplinary world that is ocean science with opportunities in video/data engineering, media asset management, technology asset management, applied coral science, and multimedia production.



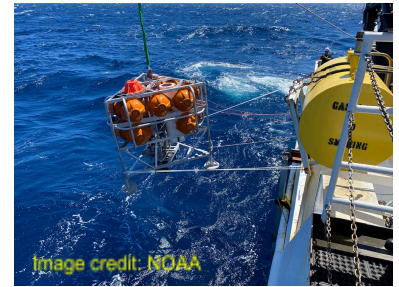
The OEI (<https://web.uri.edu/oeci/>) is a unique consortium of top oceanographic institutions: URI, Woods Hole Oceanographic Institution (WHOI), University of New Hampshire (UNH), the University of Southern Mississippi, and the non-profit, Ocean Exploration Trust. They work together to push the boundaries of ocean exploration with research and innovation in remotely-operated and autonomous vehicle operations, virtual engineering connectivity, and ocean science communication and engagement.

A core mission of the OEI is to inspire future generations of ocean scientists and engineers, and support the Blue Economy. The B2OE Program, based out of URI/GSO's Ocean Science Exploration Center, is an experiential program key to advancing this mission. Currently, the OEI is recruiting **up to nine students** to participate in this **PAID, part-time, experiential learning program** within these potential, project pathways:

- Computer science/programming**
- Ocean exploration data science**
- Ocean technology maintenance**
- 3D modeling and animations**
- Multimedia production, storytelling, and/or video editing**

## **Project Pathway Breakdown- Ocean Technology Maintenance**

- Understanding and quantifying ocean processes requires significant efforts by scientists around the world, and one component by which they can do this is through remote observation. The URI laboratory of Dr. Andrew Davies specializes in deploying instruments in deep-water habitats, principally focused on areas of high diversity (e.g. cold-water coral reefs). They study these reefs to better understand their ecology and contribution, as they are very fragile and sensitive habitats with a high conservation value due to their role as essential fish habitat and sites of carbon sequestration.
- Instruments and platforms from the Davies lab are distributed across different locations, deployed in different oceans, and have different requirements for their maintenance. As part of this B2OE project pathway, an engaged and enthusiastic student will assist their laboratory in maintaining these deep sea instruments using a variety of 3D design tools, fabrication and data management techniques.
- *Useful coursework/experience requested for the ocean technology project pathway:*
  - Basic spreadsheet (Excel, Google Sheets) and office software (Word, PowerPoint).
  - Interest in the management or organization of complex assets and resources and using/developing software tools.
  - Interest in 3D mechanical or electrical design, and rapid prototyping technologies such as 3D printing.
  - Desired qualifications:
    - Some familiarity with coding languages, web/database development or computer aided design. Related coursework may include: Programming Concepts, Introduction to Data Analytics, Database Design & Management, Web Development, CAD, Mechanical or Electrical Engineering.
    - Experience in the management or organization of assets and resources; such as bill of materials, involvement in projects that utilized mechanical, electrical or other assortments of parts.



## **Benefits to B2OE Program participation:**

- Up to \$17/hour (paid via two stipends, one in January/February 2025, and the other in May 2025)
- Exposure to cutting-edge ocean science, engineering, and media production technologies and best practices within the OECI
- Collaboration with OECI personnel; field trips to tour URI, WHOI, and other facilities, as well as local industry (if/when possible)
- Opportunity to remotely participate in NOAA Okeanos Explorer and EV Nautilus expeditions
- Peer-to-peer interaction to build communication skills
- Information exchange and networking opportunities with industry professionals during a virtual Blue Economy Career Awareness Fair

In addition to the above mentioned part-time experience, **additional program requirements and expectations include:**

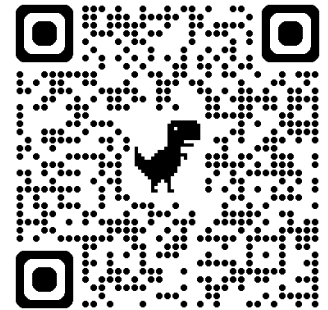
- Time commitment of up to 10h/week (November 2024- May 2025)
- Potential for onsite and/or tele-work
- Weekly tag-ups with mentors to gauge project progress and answer questions (mentors are also available via email for questions, etc. at any time)
- Participation in OECI student events, including a virtual Blue Economy Career Awareness Fair
- Final project summary report and presentation
- Participation in pre- and post-experience 360° evaluation

**Eligibility:**

- U.S. Citizenship (or F-1, J-1 visa status if applicable)
- Currently enrolled CCRI students (undergraduate/associate's degree, and/or workforce certificate)
- Degree, major, or intent to major in a field relevant to the OECI's mission; these can include, but are not limited to: STEM (science, technology, engineering and math), computer science, media production and graphic design, communications, education, and/or business operations/administration.
  - *Preferred (but not required) for this pathway: Biotechnology, Environmental Sustainability, Computer Studies Students (all concentrations)*

**Application Requirements:**

- **Interested students must complete the [OECI BOE online application](#) on or before 11:59 pmET, October 17, 2024.**
- In addition to this application, interested individuals will also be required to **submit their current resume or CV with 3 professional references listed** (who can speak to the applicant's character and professional and/or academic background- this can be a professor, advisor, teacher, community member, work supervisor, mentor, etc.).



Applications will be reviewed and analyzed based on merit and relevant experience. Potential participants will be notified by **October 23, 2024**, for an in-person or virtual interview. Final selections will be made on or before **November 12, 2024**, and candidates will be notified of their program status. **The anticipated program start date, with an on-site orientation at URI's Graduate School of Oceanography campus in Narragansett, RI, will be on or before November 21, 2024.**

Questions? Please contact Holly Morin ([holly\\_morin@uri.edu](mailto:holly_morin@uri.edu)).