Opportunity Title: Marine Energy Graduate Student Research Program
Opportunity Reference Code: DOE-EERE-RPP-2023-MarineEnergy

Organization	U.S. Department of Energy (DOE)
Reference Code	DOE-EERE-RPP-2023-MarineEnergy
How to Apply	Click on *Apply* below to start your application
Application Deadline	12/1/2023 11:59:00 PM Eastern Time Zone
Description	The U.S. Department of Energy (DOE) Office of Energy Efficiency & Renewable Energy (EERE), Water Power Technologies Office (WPTO) conducts early-stage research and development (R&D) to strengthen the body of scientific and engineering knowledge supporting industry efforts to develop new technologies that increase U.S. hydropower and marine energy (ME) generation. Marine energy technologies convert the energy of waves, tides, and river and ocean currents into electricity and have the potential to provide millions of Americans with locally sources, clean, and reliable energy. This program is designed to provide graduate thesis research opportunities in marine energy at DOE laboratories and other DOE/WPTO-approved facilities.

What will I be doing?

As a participant with the *Marine Energy (ME) Graduate Student Research Program*, you will get to advance your master's or doctoral thesis utilizing the expertise, resources, and capabilities available at DOE laboratories, industry, federal agencies, or other approved facility to accomplish your research goals, all while networking with top scientists in the field. You will enhance your education and training in marine energy, increase your marketability in these disciplines, gain access to top scientists and state-of-the-art equipment, and gain insight into research and career opportunities through your internship experiences. You will have the opportunity to collaborate and learn from experts researching, developing, and testing emerging technologies in marine energy and/or blue economy.

You will conduct research at both your academic institution and at an external hosting facility. Because you are responsible for finding a host facility and securing a mentor, you will be embedded in a facility whose research aligns with your research goals and who can provide the resources you need for your research. Your mentor may also be a resource for your next career step!

Who do we want?

- Highly motivated graduate students who are completing a thesis in an area of interest to WPTO, including but not limited to innovative technologies for clean, domestic power generation from marine energy technologies.
- Applicants who are able to independently secure a hosting facility and mentor to host them for at least 6 months of the appointment, either virtually or in-person.

Where will I be?

You will identify the host facility where you want to conduct your research and a potential mentor currently conducting or directing research in an area of importance to WPTO, identified in the office's multiyear program plan. The minimum appointment period for this program is 6 months at the identified hosting facility, virtually or in-person. For a list of potential host facilities, please visit https://www.energy.gov/eere/water/host-institutions-marine-energy-graduate-student-research-program .

Apply Today! We will need a copy of your academic records, a resume, a letter of recommendation, and a research plan, including your proposed hosting facility and potential mentor. For more information and resources on research plans, visit https://orise.orau.gov/marine-energy-program/.

The benefits:

You will receive a competitive stipend, an allowance to offset the costs of health insurance, reimbursement for education and research travel and materials up to $7,000, and limited tuition allowance. A relocation allowance of up to $3,000 may be provided for eligible participants relocating to the hosting facility.

This opportunity is available to U.S. citizens or Lawful Permanent Residents (LPR).

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOE, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications Applicants must:

- Be a U.S. Citizen or Lawful Permanent Resident

- Be enrolled as a full-time master's or doctoral graduate student at a qualified program requiring a research thesis/dissertation at an accredited U.S. college or university during the academic year.

- Be conducting research in an area aligned with WPTO priority research areas for marine energy.

- Have a cumulative graduate GPA of 3.00 or higher on a 4.00 scale.

- Be available to conduct research at the hosting facility for at least six months, virtually or in-person.

Students may apply for and are eligible to participate in the program at multiple times during their graduate studies.

A complete application consists of:

- Zintellect Profile
- Proof of enrollment in a Graduate program requiring thesis during the 2023 fall semester/quarter. Proof may include one of the following:

- Letter from authorized academic department official, such as Department Chair, or other document issued/authorized by the academic institution confirming your enrollment. Letter or document must include your name and official university markings such as the registrar's signature, university logo or stamp, letterhead or watermark, signature of the authorized official, etc.
  - Unofficial transcripts or copies of the student academic records printed by the applicant or by academic advisors from internal institutional systems including courses in progress during the 2023 fall semester/quarter term.
- Proposed Research Plan
- Letter of Support from Hosting Facility
- A current resume/CV (2 page limit)
- One relevant letter of recommendation. This letter should address your academic record and potential for success in an appointment, such as demonstrated intellectual merit, communication and teamwork skills. *You must provide one letter from your current academic advisor.*

For detailed information regarding Application Components, including requirements for the Proposed Research Plan, visit
https://orise.orau.gov/marine-energy-research-program/

All documents must be in English or include an official English translation. Documents sent by email, postal mail, or fax will not be considered. All supporting materials must be uploaded as PDF files so the document can be searched by Zintellect's search engine. Scanned items are not optimal for search engines. PDF must not require special certificates or passwords to open. Max file size is 10MB.

If you have questions, please send an email to DOE-RPP@orise.orau.gov. Please list the reference code for this opportunity in the subject line of your email.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Currently pursuing a Master's Degree or Doctoral Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
- **Age:** Must be 18 years of age