NAUTILUS LIVE
OCEAN EXPLORATION TRUST

2025 Science & Engineering Internship Program

Application & Program Information

2025 Science & Engineering Internship Program – General Information for All Internship Tracks

The Nautilus Science & Engineering Internship Program (SEIP) aims to train and provide real-world experience for community college, technical school, undergraduate, and graduate students or recent graduates of such programs within the last two years studying **ocean science**, **engineering, seafloor mapping**, or **video systems engineering** via participation in the Nautilus Exploration Program. Our international program centers on scientific exploration of the ocean aboard Exploration Vessel (E/V) *Nautilus*, a 68-meter research vessel. The Nautilus Exploration Program is run by the non-profit Ocean Exploration Trust, founded in 2007 by Dr. Robert Ballard, and continues to lead the field in the telepresence-enabled exploration of our deep ocean.

OET offers four types of paid SEIP internships:

Ocean Science	Seafloor Mapping
ROV Engineering	Video Systems Engineering

If you are interested in applying to more than one internship, **submit separate applications** for each program, specifically addressing your interest and qualifications in each internship specialty.

Internship positions are entirely at sea and entail 3-5 weeks working aboard E/V *Nautilus* as Data Loggers, ROV Pilots, Seafloor Mappers, or Video Engineers. While onboard, interns are assigned an 8-hour watchstanding shift, 4 hours in the AM and 4 hours in the PM, or for seafloor mapping, 8-hours at once, working shoulder-to-shoulder with mentor scientists, engineers, technology specialists, educators, and students as *Nautilus* conducts ROV exploration or multibeam mapping activities.

- Ocean science interns learn to make scientific observations, summarize scientific dive information, and preserve physical samples.
- Seafloor mapping interns learn to acquire, manage, and process seafloor mapping data from a multibeam sonar, sub-bottom profiler, and auxiliary sensors (e.g. CTD, XBT).
- ROV engineering interns learn to maintain and operate our remotely operated vehicles and associated systems.
- Video engineering interns learn to operate camera controls for the ROV's video systems and work with a team in the operation and maintenance of all video systems aboard *Nautilus*.
- All interns gain experience in communications and leadership, including participation in educational outreach activities like broadcasts on NautilusLive.org and live ship-to-shore classroom interactions with learners around the world.

Between watches, interns assist with science, engineering, troubleshooting, maintenance, and educational activities aboard the ship. Off-hours include time to network with STEAM professionals as well as take personal time for sleep, meals, exercise, experiencing life at sea, and engaging with the larger expedition priorities.

OET is committed to including and amplifying Black, Indigenous, Latin, Asian, Pacific Islander, Native Hawaiian, LGBTQIA+, and historically marginalized voices in the deep sea and STEAM communities. We encourage a diverse pool of applicants, particularly learners from populations who have been traditionally underrepresented in STEAM and do not discriminate on the basis of race, color, religious creed, marital or parental status, sexual orientation, gender identity, or expression, national origin, ancestry, age, or handicap.

In 2025, E/V *Nautilus* will be conducting expeditions in the Western Pacific. As part of our commitment to expeditions being guided by and developed collaboratively with local communities, students from the Northern Mariana Islands, Marshall Islands, Solomon Islands, Fiji, Hawai'i, American Samoa, Guam, and Palau are strongly encouraged to apply. Learn more about our organizational diversity and inclusion efforts and current priorities.

This internship program opportunity is made possible by generous support from the Office of Naval Research and placements join expeditions supported by various Ocean Exploration Trust partners, including the NOAA Ocean Exploration via the Ocean Exploration Cooperative Institute. Learn about the exciting variety of over 165 deep ocean exploration expeditions conducted by OET since our founding [https://NautilusLive.org/expedition-index]

Learn more about each of the four SEIP tracks in the following sections, including application requirements and preferred skillsets.

For more information about OET, our operations, and our discoveries, please visit NautilusLive.org or our social media channels.

Stipend & Support for Science & Engineering Interns

Stipend

Thanks to the support of internship program funders, including the Office of Naval Research STEM Program, Science & Engineering Internship participants will receive a stipend of $900 per week for time spent at sea aboard E/V *Nautilus*, including travel dates to/from their expedition. A stipend payment will be made directly to participants after they complete the internship program, including all program evaluation requirements.

Expedition Travel & Board

Interns are provided travel paid by OET and coordinated by OET's Travel & Logistics team to/from their closest major airport to the ship's port for their assigned at-sea expedition(s). While at sea, interns are provided accommodation in the form of shared cabins and full meals prepped by our crew. Interns are eligible for per diem on travel days.

Passport Application Reimbursement

E/V *Nautilus* is a foreign-flagged vessel that often travels through international waters and uses U.S. and international ports, requiring customs and immigration clearance. All program participants must have a valid passport by the time of their expedition. If you do not currently have a passport and are accepted to the program, you must apply for one immediately after acceptance. Passport application or renewal fees will be covered by OET for accepted participants. Failure to acquire a passport will result in the inability to participate in the expedition.

Work Authorization & Immigration Compliance

Applications are accepted from individuals anywhere in the world. Applicants can note in the application form if they would like to be considered for expeditions in the waters of the United States, the Republic of the Marshall Islands, Fiji, the Solomon Islands, or a combination of the above. Accepted participants must be able to work/participate in the expedition where it is located – which in 2025 could include U.S. waters (Guam, Mariana Islands, American Samoa) and non-U.S. waters (Solomon Islands, Republic of Marshall Islands, Fiji, and other locations as applicable) – and travel to/from expedition ports of call.

Work authorization will be verified for final accepted participants. After an offer is made and accepted, accepted participants will be required to present appropriate documentation to demonstrate their authorization for travel and participation in the nation(s) of the expedition. Typical types of evidence could include a passport, appropriate visa, appropriate work permit, or other types of documentation as required by the expedition country.

Barring circumstances, U.S. passport holders are generally eligible to work/participate in expeditions in the Solomon Islands, Fiji, and the Republic of Marshall Islands. Barring circumstances, individuals with passports issued by the Solomon Islands, Fiji, and the Republic of Marshall Islands are generally eligible to work/participate in expeditions within their national waters.

For non-U.S. passport holders:
If the expedition is in U.S. waters/areas → participants must be legally authorized to work/participate in a training program in the U.S. at Ocean Exploration Trust and accept new employment/internship in the U.S. without requiring any sponsorship/facilitation from Ocean Exploration Trust in order to obtain, extend, or renew U.S. authorization.

If the expedition is in non-U.S. jurisdictions → participants must be legally authorized to work/participate in a training program in the country the expedition is taking place (which in 2025 could include the Solomon Islands, Republic of the Marshall Islands, Fiji, and other locations if applicable) without requiring any sponsorship/facilitation from Ocean Exploration Trust in order to obtain, extend, or renew their U.S. authorization.

Please refer to your home country's consulate or state department for guidance on specific considerations for your eligibility across regions.

Vaccination Requirements

COVID-19 — All participants in the Nautilus Exploration Program must comply with OET's COVID-19 Mitigation and Response Plan, which includes that all participants must be fully vaccinated in accordance with the CDC's definitions and undertake pre-embarkation testing. OET will reimburse for out-of-pocket expenses associated with these requirements. OET's policy is subject to change as the circumstances with COVID-19 and science-backed guidance continue to evolve. Candidates who are offered internships will be provided with OET's most current policy upon acceptance to the program.

Vaccination requirements for certain ports of call — Some 2025 expedition season ports of call require incoming travelers to demonstrate additional vaccinations (e.g. measles). Candidates who are offered internships will be provided with detailed requirements and OET's most current policy upon acceptance to the program.

Exemptions — Candidates seeking an exemption from any of OET's vaccination policies must contact Denise Armstrong, CFO, upon offer of acceptance to begin the interactive case-by-case evaluation process. While all requests will be considered, there is no guarantee of an exemption.

Selection Process & Important Internship Dates

October 2024 - Jan 3, 2025	SEIP Applications Open
January 3, 2025	Application deadline
January 7 - January 27, 2025	Application Review
January 31, 2025	Applicants selected for interviews notified
February 5 - February 26, 2025	Online interviews for program finalists
March 4, 2025	2025 SEIP acceptances emailed
April - October 2025	Expedition Dates: TBD 3-5 week expeditions

Interns are selected by a committee made up of OET staff and experienced contracted SEIP mentors. Decisions are made by the committee as a whole, not by individuals. Due to the number of applications we receive, we, unfortunately, cannot offer individual feedback on applications.

All applications will be reviewed after the January 3, 2025 deadline. Application status notifications to all applicants will be sent by the end of January. Finalist interviews using Google Meet will be scheduled on weekdays between February 5 - February 26, 2025. The committee aims to make final selections and notify all applicants by mid-March, 2025.

How to Apply

Complete the application checklist by January 3, 2025, 8 pm EST. Only complete and on-time applications will be considered. If you have difficulty with the forms or application instructions, contact education@oet.org with a note including which SEIP internship you're applying for.

Application links are within each internship's specific description.

Application Checklist:

- ❏ **Online Application Form**
  Use the online form to submit all application materials. **This form is not editable;** make sure you enter all required information correctly. Note the appropriate file type and naming convention for uploaded files.
  - ❏ Contact information
  - ❏ Your availability to join an expedition at sea in April - October 2025 (**Indicate specific dates you are NOT available to go to sea**)
  - ❏ Three Application Statements (answer three):
    Responses are capped at 500 words each. You do not need to fill that word count if you have completed your response more concisely.
    1. OET's Science & Engineering Internship Program is a unique internship with access to our community of STEAM professionals that sail aboard E/V *Nautilus* and hands-on training at-sea. How will participating in OET's internship benefit your educational, professional, and personal pathway? What are your long-term goals and how will this internship help you achieve them?
    2. OET is dedicated to enhancing the diversity of oceanographic and technical communities as well as sharing our expeditions and team member role models to

inspire the next generation of learners and explorers. Please describe how you will contribute to this mission during and after this internship, based on your personal background and life experiences (including social, cultural, familial, educational, and other opportunities or challenges).

3. Respond to one prompt from this list.
    a. What unique qualities and characteristics will you bring to our program?
    b. Tell us a story that directly or indirectly illustrates the type of person you are.
    c. What motivates you?
    d. What accomplishment are you most proud of?
    e. Choose your own question that helps you convey what you want to in this application.

❏ **Resume (UPLOAD as PDF)**

2 pages max, minimum 11-point font
Save as a PDF named: ***SEIP2025_Lastname_Firstname_Resume.pdf***

❏ **Transcript(s) (UPLOAD as PDF)**

Unofficial transcripts from all community college, undergraduate, and/or graduate school(s) to date.
Save as a PDF named: *SEIP2025_Lastname_Firstname_Transcripts.pdf*

❏ **Contact Information of two References**

You will need references' names, email addresses, phone numbers, and a brief description of how you know them. These people may be contacted in late February.

- ❏ References can be an academic (professor, advisor, TA, or research mentor) or from non-academic work experience, community involvement, or any other setting where the contact can speak to your professional qualities and experiences.
- ❏ Provide your references with the **Information for References** (Page 20 in this packet) to introduce them to this program and let them know you've submitted their name.

❏ **OPTIONAL Sample of Past Work that is Relevant to Internship**

You have the option of submitting a sample of past work (e.g. video, writing sample, code) that is relevant to the internship you are applying for.

- ❏ Work samples uploaded to YouTube, Vimeo, or a personal website are accepted. When submitting the Online Application Form, please include any passwords required to view your work sample.
- ❏ For the Video Engineering internship: Videos should be a representative example of your communication style, video engineering, production experience, and camera work.
- ❏ Applicants choosing not to submit an optional work sample will not be at a disadvantage in the review process. Contact education@oet.org with questions.

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2025 Ocean Science Internship

The Ocean Science Internship aims to train students studying various science fields in the at-sea working environment. Science interns spend their time onboard working with a wide array of scientists, learning how to document scientific observations, log data, summarize data, and preserve physical samples. The position entails 3-5 weeks working aboard E/V *Nautilus* as a Data Logger.

While onboard, ocean science interns are assigned an 8-hour working shift, split into two 4-hour watches. During watch hours**,** data loggers are in the Control Van as E/V *Nautilus* conducts ROV exploration using EventLog software to record important observations and events. After a dive, Ocean Science Interns participate in sample processing in the wet lab, write dive reports, and support educational outreach activities. Off-watch hours include time to work on assigned tasks, aid in data management and sample processing, network with STEAM professionals, as well as take personal time for sleep, meals, exercise, and experiencing the life of at-sea exploration. A typical working day on the ship is approximately 10-14 hours.

Learn more about the data logging role on the Nautilus Live career pages.

Participants in the Ocean Science Internship will:

- Gain an understanding of shipboard ocean exploration operations**,** including the use of remotely operated vehicles (ROVs), associated sensors (e.g., CTD, navigational), sampling techniques, and shipboard systems (e.g., multibeam, sub-bottom profiler).
- Learn how to conduct scientific research and outreach utilizing telepresence technologies.
- Apply knowledge and skills from science courses to deep-sea exploration.
- Utilize and expand critical thinking, problem-solving, analytical, and observational skills to support real-world applications of ocean science.
- Gain familiarity with data from ROVs, associated sensors, and sampling gear.
- Learn biological, geological, and/or environmental data collection, documentation, and processing methods.
- Develop scientific, interpersonal, collaborative, and outreach communication skills.

Ocean Science Internship Eligibility

Applicants must be:

- Enrolled in a community college, undergraduate, or graduate program in ocean science, technology, or related fields. Recent graduates (less than two years after graduation) are also eligible to apply.

  - We encourage applications from those eager to experience at-sea ocean exploration, whose application is supported by background skills either from relevant coursework, or prior research and/or field experience. This is not a postdoctoral position, nor appropriate for students with extensive at-sea experience.
- Interested in learning about oceanography (geological, biological, chemical) and using a variety of technologies — including remotely operated vehicles — to explore the ocean.
- Comfortable learning new skills, familiarity working with computers at a basic level (on PCs and/or Macs), and interested in learning new software
- Fluent in spoken and written English
- Physically and mentally capable of meeting the demands of living and operating aboard a working exploration vessel, and must be able to live in close quarters with other expedition team members.
  - There is no swimming requirement or component to the internship while working aboard E/V *Nautilus.*
  - Learn more in the *What's It Like Living on a Ship* section below.
- Meet eligibility requirements described in the "General Information for All Internship Tracks" section of this document.
- Meet OET's vaccination requirements or receive an approved exemption.
- At least 18 years of age by April 1, 2025.

OET encourages a diverse pool of applicants, particularly learners from populations who have been traditionally underrepresented in STEAM, and does not discriminate on the basis of race, color, religious creed, marital or parental status, sexual orientation, gender identity, or expression, national origin, ancestry, age, or handicap. We are committed to including, amplifying, and making space for more Black, Indigenous, Latinx, Asian, Pacific Islander, Native Hawaiian, LGBTQIA+, and historically marginalized voices in the deep sea and STEAM communities.

Apply for the Ocean Science Internship:

2025 Ocean Science Application

2025 ROV Engineering Internship

The Remotely Operated Vehicle (ROV) Engineering Internship trains students and early career professionals studying engineering in sea-going operations. Engineering Interns work with our ROV team, learning to maintain and operate ROVs *Hercules* and *Atalanta* to conduct scientific seafloor exploration dives. The position entails a 3-5-week period working aboard E/V *Nautilus* as an ROV *Atalanta* pilot.

While onboard, ROV interns are assigned an 8-hour working shift, split into two 4-hour watches. While on watch interns are in the control van piloting as *Nautilus* conducts ROV exploration. Between watches, interns assist with ROV maintenance, pre-dive, and post-dive inspections, as well as participate in education/outreach activities. Off-hours include time to network with STEAM professionals as well as take personal time for sleep, meals, exercise and to experience the pace of at-sea exploration. A typical working day on the ship is approximately 10-14 hours.

Learn more about the ROV pilot role on the Nautilus Live career pages.

Participants in the ROV Engineering Internship will:

- Gain an understanding of shipboard exploration and research cruise operations including the operation and maintenance of ROVs, associated sensors, and sampling techniques.
- Learn how to conduct scientific research and outreach utilizing telepresence technologies.
- Expand mechanical, electrical, ocean engineering, and marine operations skills.
- Utilize critical thinking, problem-solving, analytical, and observational skills to support real-world applications of ocean engineering.
- Apply knowledge and skills from engineering courses to at-sea ROV operations.
- Gain familiarity with ROV functionality including individual ROV components.
- Gain experience with basic ROV system maintenance including electrical connector care, pre/post dive inspections, and hydraulic maintenance techniques (e.g., compensation, HPU test, high voltage test, etc).
- Gain experience with ROV operations including deck operations (e.g. vehicle launches and recoveries), piloting ROV *Atalanta,* and complete understanding of ROV *Atalanta* graphical user interface (GUI), high voltage safety, and documentation.
- Gain familiarity with ROV *Hercules* GUI features and their operation by working closely with *Hercules* pilots.
- Develop scientific, interpersonal, collaborative, and outreach communication skills.

ROV Engineering Internship Eligibility

Applicants must be:

- Community college, undergraduate or graduate students majoring in mechanical, electrical, or ocean engineering or related fields with an interest in oceanography and ocean exploration. Recent graduates are also eligible to apply.
- Interested in learning about oceanography (geological, biological, chemical) and using a variety of technologies - including remotely operated vehicles and mapping systems - to explore the ocean.
- Comfortable learning new skills, familiar working with computers at a basic level (on PCs and/or Macs), and interested in learning new software
- Fluent in spoken and written English
- Physically and mentally capable of meeting the demands of living and operating aboard a working exploration vessel, and must be able to live in close quarters with other expedition team members.
    - There is no swimming requirement or component to the internship while working aboard E/V *Nautilus.*
    - Learn more in the *What's It Like Living on a Ship* section below.
- Meet the eligibility requirements described in the "General Information for All Internship Tracks" section of this document.
- Meet OET's vaccination requirements or receive an approved exemption,
- At least 18 years of age by April 1, 2025.

Preferred Skills

- Previous experience and/or coursework in mechanical, electrical, and/or ocean engineering

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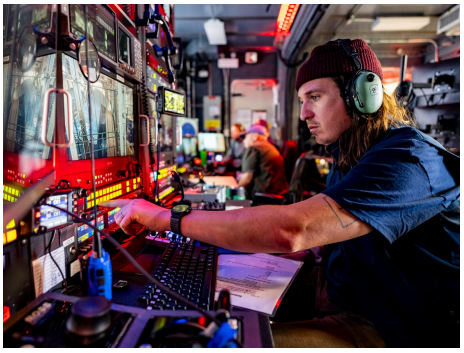
Apply for the ROV Engineering Internship:

2025 ROV Engineering Internship Application

2025 Video Systems Engineering Internship

The Video Systems Engineering Internship aims to provide an immersive learning experience for students studying video with a focus on engineering. Video interns work with our Video Engineering and Communications teams, learning how to operate and maintain our onboard video system while also contributing to the website, which hosts live video and audio streams.



The position entails a 3-5 week expedition working aboard E/V *Nautilus.* While onboard, video interns are assigned an 8-hour working shift, split into two 4-hour watches. During these hours interns are in the control van as *Nautilus* conducts ROV or multibeam exploration. During ROV Operations, Video Engineering Interns control the camera systems on the vehicles underwater and ensure the recording, audio, and streaming systems are working correctly. Between watches, interns are expected to assist with video engineering activities, systems maintenance, and can participate in education and outreach activities. There is no filmmaking or field production component to this internship. Off-hours include time to network with STEAM professionals as well as take personal time for sleep, meals, exercise, and experience the pace of at-sea exploration. A typical working day on the ship is approximately 10-14 hours.

Learn more about the video engineer role on the Nautilus Live career pages.

Participants in the Video Systems Engineering Internship:

- Gain an understanding of shipboard exploration and research cruise operations.
- Learn about conducting exploration and outreach utilizing telepresence technologies.
- Apply prior knowledge and skills related to video engineering to deep sea exploration with remotely operated vehicles.
- Gain an understanding of shipboard exploration utilizing telepresence and live broadcasting technologies.
- Utilize critical thinking, problem-solving, analytical, and observational skills to support real-world applications of video engineering.
- Develop scientific, interpersonal, collaborative, and outreach communication skills.

Video Systems Engineering Internship Eligibility

Applicants must be / must have:

- Community college, undergraduate, or graduate student with interests or majoring in new media, film, science communication, video engineering, or related fields with an interest in oceanography and ocean exploration. Recent graduates are also eligible to apply.
- Previous experience studying and/or working in video engineering or filmmaking
- Able to demonstrate an interest in ocean exploration, science communication, camera operation, filmmaking, or video engineering.
- Comfortable learning new skills, familiar with working with computers at a basic level (on PCs and/or Macs), and interested in learning new hardware and software.
- Fluent in spoken and written English.
- Physically and mentally capable of meeting the demands of living and operating aboard a working exploration vessel, and must be able to live in close quarters with other expedition team members.
    - There is no swimming requirement or component to the internship while working aboard E/V *Nautilus.*
    - Learn more in the *What's It Like Living on a Ship* section below.
- Meet eligibility requirements described in the "General Information for All Internship Tracks" section of this document.
- Meet OET's vaccination requirements or receive an approved exemption.
- At least 18 years of age by April 1, 2025.

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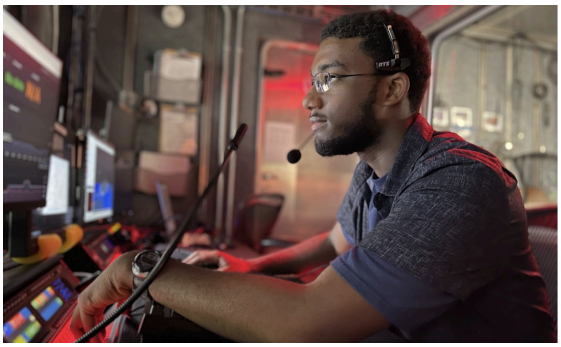
Apply for the Video Systems Engineering Internship:

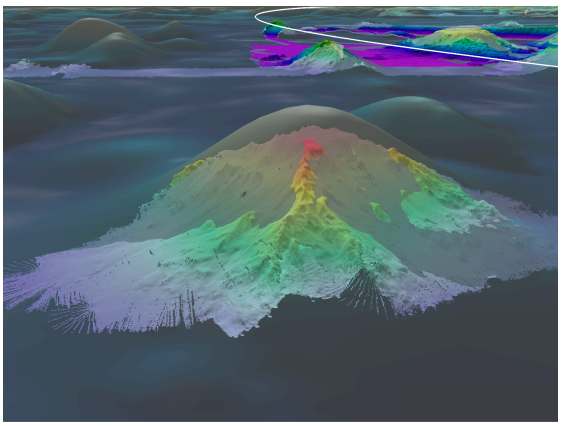
2025 Video Systems Engineering Internship Application

2025 Seafloor Mapping & Hydrography Internship



The Seafloor Mapping & Hydrography Internship provides at-sea training on ocean mapping and exploration to students and early career professionals.

Seafloor mapping interns learn to acquire, manage, and process ocean mapping data from a multibeam sonar, sub-bottom profiler, and auxiliary sensors to reveal seafloor landscapes - critical information for understanding our planet. Interns participate on an expedition aboard Exploration Vessel (E/V) *Nautilus* that will map previously unmapped regions of the deep ocean.



Internships are entirely at-sea learning experiences on one of the seafloor mapping-focused expeditions listed below. While onboard, interns are assigned an 8-hour working shift, during which they work shoulder-to-shoulder with mentor scientists, engineers, technology specialists, and other student interns as E/V *Nautilus* conducts mapping operations.

All interns also gain experience in communications and leadership, including participation in educational outreach activities like broadcasts on www.NautilusLive.org and live ship-to-shore interviews with schools and OET education partners. Interns will also have the opportunity to network with STEAM professionals from different backgrounds while at sea, as well as experience life at sea, and engage with the larger expedition priorities.

Learn more about the seafloor mapping role on the Nautilus Live career pages.

Seafloor Mapping & Hydrography Internship Eligibility

Applicants must be:

- Currently enrolled student or a recent graduate of a community college, undergraduate or graduate program related to marine science, GIS, remote sensing, ocean mapping, computer science, or geophysics.
    - We welcome folks eager to experience at-sea ocean exploration who have not had extensive previous at-sea research experience. However, we do not recommend this opportunity for students taking a full course load at the time of sailing due to workload and potential at-sea bandwidth limitations.
- Interested in learning about oceanography and using a variety of technologies - including mapping systems - to explore the ocean.
- Comfortable working with computers and learning new software and protocols.
- Fluent in spoken and written English.
- Physically and mentally capable of meeting the demands of living and operating aboard a working exploration vessel, and must be able to live in close quarters with other expedition team members.
    - There is no swimming requirement or component to the internship while working aboard E/V *Nautilus.*
    - Learn more in the *What's It Like Living on a Ship* section below.
- Meet the eligibility requirements described in the "General Information for All Internship Tracks" section of this document.
- Meet OET's vaccination requirements or receive an approved exemption.
- At least 18 years of age by April 1, 2025.

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Apply for the Seafloor Mapping & Hydrography Internship:

2025 Seafloor Mapping Internship Application

About Ocean Exploration Trust

The nonprofit organization Ocean Exploration Trust was founded in 2007 by Dr. Robert Ballard. Our international Nautilus Exploration Program centers on scientific exploration of the seafloor. Expeditions are launched from Exploration Vessel (E/V) *Nautilus*, a 68-meter research vessel equipped with Remotely Operated Vehicles (ROVs), acoustic mapping sonars, guest autonomous vehicles, and telepresence technology that allows anyone with an Internet connection to join expeditions remotely. The ship also has an active Data Lab and Wet Lab for processing digital data and physical samples. Our international team consists of scientists, engineers, educators, cultural liaisons, and students. We aim to share their stories with the world and together believe in serving as STEAM role models to future generations of explorers and stewards.

During our expeditions, we offer scientists, educators, students, and the global public a remote exploration experience via live video, audio, and data feeds from the field, as well as ship-to-shore interactions direct to classrooms and science centers. We embed educators and students (Science & Engineering Internship Program) in expeditions, gaining hands-on experience in ocean exploration and serving as STEAM role models for the next generation. NautilusLive.org offers an immersive 24-hour portal with live video from our ROVs and various locations on the ship year-round for anyone to learn more about our expeditions, find educational resources, and marvel at new ocean discoveries.

As E/V *Nautilus* visits the Pacific Ocean we acknowledge the Indigenous people and local communities of Oceania — including those known as Polynesians, Melanesians, Micronesians, Papuans, and other Pasifika peoples — who have stewarded through generations the ocean, seas, coastlines, and lands of what is known as the Pacific Ocean. We honor and respect the enduring deep relations and interconnections that exist between these peoples, the ocean, and the environment. Ocean Exploration Trust is committed to building connections with local communities in expedition regions through co-developing expedition plans, making data publicly accessible, and coordinating outreach with schools and community groups.

Our Goals

- To explore the unknown parts of the ocean, seeking out new discoveries in geology, biology, maritime history, and chemistry;
- To use the excitement generated by our expeditions to motivate and inspire young minds to pursue careers in STEAM.

For more information about OET, our operations, and our discoveries, please visit NautilusLive.org or our social media channels.

What's It Like Living on a Ship

It's fun and inspirational! It's also hard work, and we all love it! Accommodations on E/V *Nautilus* consist of shared double or quad cabin rooms with bunk beds and bathrooms. The ship is home to 17 professional crew members and an up to 35-member rotating Corps of Exploration. The team shares three meals a day in a group dining room, the mess. E/V *Nautilus* also has multiple outdoor lounge areas and a state-of-the-art indoor lounge with exploration viewing monitors. WiFi internet is available in common areas for personal use and staying connected to shore. Satellite-based phones are provided in public spaces. The Corps of Exploration team contains a wide variety of professionals with a range of experience. All teams include mentors who teach and direct colleagues. We are proud of the ship being an environment of teaching and learning and a great place to experience working at sea.

Ship Culture

We aim for E/V *Nautilus* to be an anti-racist, inclusive, safe environment for individuals of diverse, intersectional identities to learn and work. Ocean Exploration Trust is committed to a work environment in which all individuals are treated with respect and dignity. All participants are required to agree to the OET Anti-Harassment & Anti-Discrimination Policy. Several reporting pathways exist to quickly elevate and address any behavior that violates this policy.

Additionally, we recognize the intensity of working at sea and strive to support all team members in caring for their mental and emotional health while participating in the Nautilus Exploration Program. Learn more in our guide for caring for your mental, emotional & physical health at sea.

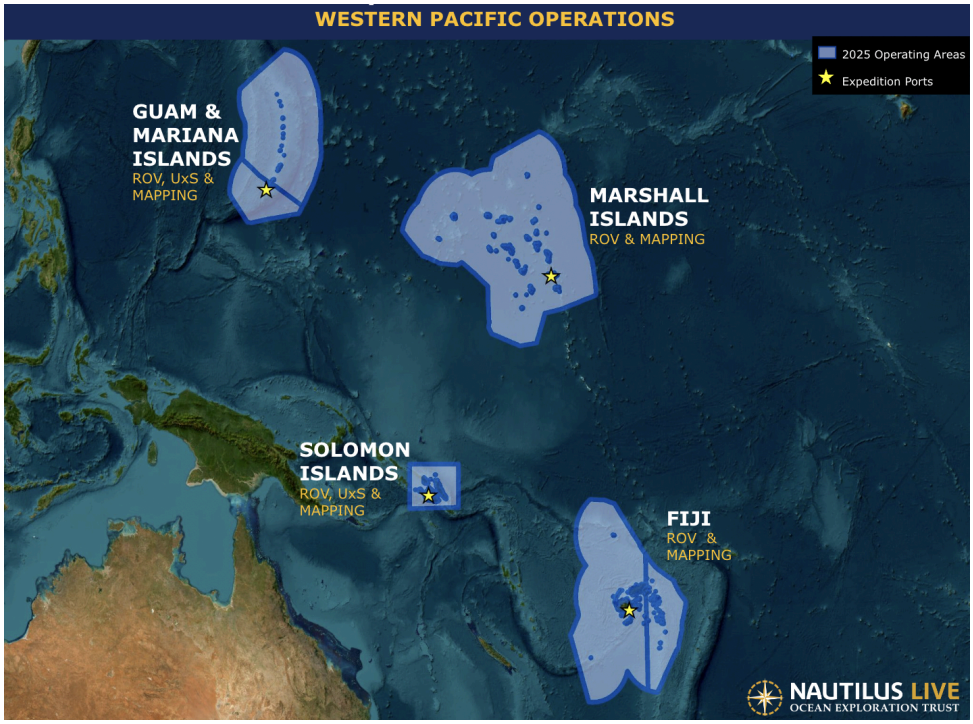
Ship Safety and Accommodations

Work at sea requires participants to be physically and mentally capable of meeting the demands of living and operating aboard a working vessel and able to live in close quarters with other expedition team members. Constructed in 1967, E/V *Nautilus* is not an ADA-accessible ship. Life at sea aboard the ship may include adverse weather, seasickness, long work hours, moving up and down stairs, and walking on unstable surfaces. The ship is a working vessel with operations that involve heavy equipment and machinery overseen by experienced professionals. Safety rules and guidelines should always be heeded and taken seriously. You will be briefed shortly after arriving on board about the safety guidelines and emergency procedures. Additional notes:

- There is no swimming requirement for the internship while working aboard E/V *Nautilus.*
- The ship has a limited medical facility available on board. Multiple team members including the captain, chief officer, and chief engineer hold medical care certificates plus 24/7 access to on-call medical advice during emergencies while at sea.
- OET welcomes pregnant people aboard under the following conditions: (1) they are within the first 24 weeks of their pregnancy, and (2) they are medically fit (requires written approval from their doctor).

If there are other ways you may need support or accommodation, we welcome those conversations, contact Megan Cook at education@oet.org.

The 2025 Nautilus Exploration Program



Ocean Exploration Trust's 2025 E/V *Nautilus* expedition season will operate April - October, during which we will explore deep-sea habitats across the Western Pacific Ocean, including areas like the Mariana Islands, Marshall Islands, Solomon Islands, and Fiji. Ocean Exploration Trust conducts exploration using a variety of technologies alone and in combination including multibeam mapping sonar systems, remotely operated vehicles, autonomous underwater vehicles and uncrewed surface vehicles, and telepresence technology. The different pacing of these expeditions makes different types of internship opportunities available at different times of the year. OET will publicly announce specific expedition locations, objectives, and ports of call early in 2025.

Internship Frequently Asked Questions

Do I have to swim?
No. You do not need to know how to swim to sail on E/V *Nautilus.* The ship does not offer swim calls or recreational swim time during expeditions. The ship is equipped with US Coast Guard and SOLAS-certified safety equipment and a professional crew to manage any emergency situations.

How can I improve my application from the previous year or stand out if this is my first time applying?
If you were not selected previously for an internship with OET, we strongly encourage you to keep applying! This is a very competitive program with only a limited number of selections per year due to ship berth space and complex expedition schedules. Each year those variables adjust with different timing available; many candidates will apply in multiple seasons. One way to strengthen your application is to work on improving your responses to application questions. Write specifically to tell reviewers why you want this internship, what about an internship with OET stands out for your interests, and what you bring to the table (be it work experiences, life experiences, research experience, or other personal qualities). Tell us how we can help you grow toward your professional and personal goals. In the time between applications, stay involved in programs and activities that will help you get to your future goal. Relevant work and academic experiences are valuable, and so are experiences where you can show you're a curious learner and hard worker. Clearly explain how your background, skills, and goals align with this internship program.

Our Top Tips for Internship Applications

- Show us your passion — We love the work we do exploring the ocean! Show us you're a good fit for the team and an eager learner by conveying your passion for this particular opportunity or how it will help you down your future career or academic path.
- Describe the why — Demonstrate you have read about what our organization does (explore https://NautilusLive.org/) and what this internship entails. Tell the committee how ocean exploration experience will help you with your future career. Use your question responses to describe why this learning opportunity stands out from others to help you stand out.
- Showcase your strengths — Many students apply for this program. Help us see what would make you a better candidate for our program than others. Share courses you've taken, experiences you've had, or work you've done in this area. Experience comes in many forms so don't limit yourself. If you've worked full-time while putting yourself through your education, showcase skills learned in that environment like reliability or attention to detail.
- Visit a career center for help — Many campuses and communities have professional services available for free to help proofread applications, review resumes, and help you practice for interviews. Put your most professional foot forward in your application.

Will I conduct my own original research project through this internship?
No. This program focuses on the operational and scientific needs of partners and sponsors built into larger expedition plans. Interns will be a part of a larger scientific expedition working towards a variety of expedition goals. If you have specific research or capstone graduation requirements, follow-up

projects and collaborations using expedition data available from our public archives are encouraged. Learn more: https://NautilusLive.org/science/data-management

Can I request an internship assignment longer than 3-5 weeks if I have a school/graduation requirement?

No. Our organization does not offer multiple month-long internships. Due to limited berthing capacity on the ship and to let as many students participate as possible, we provide 3-4 week internships for students to sail on E/V *Nautilus* expeditions.

What if I can't go on the ship during the school year?

Our expedition season stretches across the academic year and the summer. We understand not everyone can miss 3-5 weeks during the school year or summer. Note, that we do not recommend this opportunity for students taking a full course load or synchronous classes at the time of sailing. When completing the online application form, indicate the dates you are NOT available to sail. You must check off the dates you would NOT be able to go to sea so we can check which expeditions coincide with your available days. If your availability changes after submitting the application, please send updated information to education@oet.org.

How do I know what expedition I would go on?

When completing the online application form, indicate all dates you are NOT available. As the 2025 expedition schedule is finalized, the education team will consider selected Interns' availability against the expedition schedule to determine expedition assignments.

Information for References

Applicant: Provide this letter to references familiar with your qualities as a learner and your interest in this internship program.

Applicant Name: _____

Applicant is applying for the Ocean Exploration Trust

_____ Ocean Science Internship	_____ Seafloor Mapping Internship
_____ ROV Engineering Internship	_____ Video Engineering Internship

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Dear Recommender:

This student is applying for an internship with Ocean Exploration Trust (OET) and has asked that you serve as a reference. We do not need a letter from you at this time. If the student advances to the interview round, a member of the OET staff will get in touch in late February to schedule a conversation about the applicant's individual qualities and how our program could be a good match for them.

We appreciate your time and effort in supporting this student's goals and professional development. If you need additional information about the internship or have any questions, please visit https://NautilusLive.org/join/internship-program or contact us at education@oet.org.

About Ocean Exploration Trust Science & Engineering Internships:
OET Internships are paid, entirely at-sea experiences that entail 3-5 weeks working aboard E/V *Nautilus* as Data Loggers, Seafloor Mappers, ROV Pilots, or Video Engineers. Interns spend their time on expeditions at sea standing watches and working among a wide array of scientists, engineers, students, and educators.

- Ocean science interns learn to make scientific observations, summarize scientific dive information, and preserve physical samples.
- Seafloor mapping interns learn to acquire, manage, and process seafloor mapping data from a multibeam sonar, sub-bottom profiler, and auxiliary sensors (e.g. CTD, XBT).
- ROV engineering interns learn to maintain and operate our remotely operated vehicles and associated systems.
- Video systems engineering interns learn to operate camera controls for the remotely operated vehicles' video systems and work with lead engineers in the operation and maintenance of all video systems aboard E/V *Nautilus*.

All interns gain experience in communications and leadership, including participation in educational outreach activities like broadcasts on www.NautilusLive.org and live ship-to-shore classroom Q&A programs with learners worldwide.