2020 Science & Engineering Internship Program

Application Packet

Science & Engineering Internship Program Description 2
  Ocean Science Internship Specifics 4
  Seafloor Mapping Internship Specifics 6
  ROV Engineering Internship Specifics 8
  Video Engineering Internship Specifics 10

About Ocean Exploration Trust 12

Stipend & costs associated with Science & Engineering Internships 13

How To Apply 14

Recommendation Letter Form & Instructions 16

Frequently Asked Questions 17
The Nautilus Science & Engineering Internship Program (SEIP) aims to train and provide real-world experience for community college, undergraduate, graduate students, or recent graduates studying mapping, ocean science, engineering, or video 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 64-meter research vessel. The Nautilus Exploration Program is run by the non-profit Ocean Exploration Trust, founded in 2008 by Dr. Robert Ballard, and continues to lead the field in telepresence-enabled exploration of our deep oceans.

**OET offers four types of paid internships through SEIP: Ocean Science, Seafloor Mapping, Video Engineering, and ROV Engineering.** Applicants interested in more than one type of internship must submit separate applications for each program, specifically addressing your interest and qualifications in each internship specialty.

Internship positions are entirely at-sea and entail 2-5 weeks working aboard E/V Nautilus as Data Loggers, Mappers, ROV Pilots, or Video Engineers. All interns spend their time 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 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 Nautilus. All interns gain experience in communications and leadership, including participation in educational outreach activities like broadcasts on [www.NautilusLive.org](http://www.NautilusLive.org) and live ship-to-shore interviews with OET education partners. Additional specific duties depend upon the particular internship. Please see the following pages for full descriptions plus additional information on application requirements and preferred skills.

While onboard, all interns will be assigned an 8-hour working shift. During these hours, interns will work with a team as Nautilus conducts ROV exploration or multibeam mapping activities. Between watches, interns assist with science, engineering, troubleshooting, maintenance and educational activities aboard the ship. Off-hours include time to network with STEM professionals as well as take personal time for sleep, meals, exercise and experiencing the life at-sea and observing other watch teams’ exploration.
The Ocean Science Internship aims to train students studying various science fields in the at-sea environment. Science interns spend their time onboard working with a wide array of scientists, learning how to make scientific observations, log data in Nautilus systems, summarize dives, and preserve physical samples. The position entails 2-4 weeks working aboard 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 will be in the Control Van as 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 detailing significant event summaries based on the Event Log entries, and can conduct educational outreach activities. Off-watch hours include time to work on assigned tasks, aid in data management and sample lab prep, network with STEM 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 and research cruise operations including the use of remotely operated vehicles (ROVs), associated sensors (e.g., CTD, navigational), and sampling techniques, possibly including shipboard acoustic sensors (e.g., multibeam, sub-bottom profiler).
- Learn how to conduct scientific research and outreach utilizing telepresence technologies.
- Apply knowledge and skills from oceanographic or marine 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 chemical sample collection, documentation, and processing methods.
- Develop interpersonal, scientific, leadership and outreach communication skills.

Ocean Science Internship Eligibility

Applicants must be:
Enrolled in or recently graduated from a community college, undergraduate or graduate program in ocean science, technology, or related fields.
  ○ We encourage applications from students eager to experience at-sea ocean exploration science whose application is supported by background skills either from relevant coursework, or prior research and/or field experience. This is not an early career track or postdoctoral position, nor appropriate for students with extensive at-sea experience.

Interested in learning about oceanography (geological, biological, chemical, archaeological) and using a variety of technologies — including remotely operated vehicles and mapping systems — to explore the ocean.

Familiar with PCs and Macs, comfortable working with computers, 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 or working aboard E/V Nautilus.

Eligible to obtain a passport, or have a valid passport through April 2021.

At least 18 years of age by June 1, 2020.

The Science & Engineering Internship Program is open to individuals who hold a United States or Canadian passport. Applicants must plan to live in the United States or Canada for the duration of the expedition season (June - December 2020).

The Ocean Exploration Trust encourages a diverse pool of applicants particularly learners from populations which are traditionally underrepresented minorities in STEM 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.

Application Requirements

- Online application form
- Cover letter
- Resume
- 2 Letters of recommendation
- Unofficial transcripts
- Finalists will be asked to attend an online interview using Google Hangouts.

Apply for the Ocean Science Internship:
https://nautl.us/OceanScienceInternship2020
The Seafloor Mapping Internship aims to train students in seafloor mapping data acquisition and processing techniques. Seafloor Mapping interns spend their time onboard working with a team learning how to acquire and process shipboard multibeam, sub-bottom and auxiliary data.

The position entails 2-4 weeks aboard Nautilus working as a Mapping Watchstander. While onboard, interns are assigned an 8-hour shift. During watch hours interns are in the control van and data lab as Nautilus conducts seafloor mapping surveys. Between watches, interns are expected to assist with additional science and education activities. Off-watch hours include time to network with STEM 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 seafloor mapping role on the Nautilus Live career pages.

Participants in the Seafloor Mapping Internship will:

- Gain an understanding of shipboard ocean exploration and research cruise operations using shipboard acoustic sensors (e.g., multibeam, sub-bottom profiler), and associated sensors (e.g., CTD, XBT).
- Learn how to conduct scientific research and outreach utilizing telepresence technologies.
- Apply knowledge and skills from courses to deep sea exploration with seafloor mapping technology.
- Utilize and expand critical thinking, problem solving, analytical and observational skills to support real world applications of exploration science.
- Gain familiarity with data from sonar and auxiliary mapping sensors.
- Learn and enhance geophysical data collection, documentation, and processing skills.
- Develop interpersonal, scientific, leadership and outreach communication skills.
Seafloor Mapping Internship Eligibility

Applicants must be:

- Currently enrolled or a recent graduate of a community college, undergraduate or graduate program related to ocean science, GIS, remote sensing, computer science, or geophysics.
  - We encourage applications from students eager to experience at-sea seafloor mapping for the first time whose experience is supported by background skills either from relevant coursework, prior research, and/or field experience. This is not an early-career or postdoctoral position, nor appropriate for students with extensive at-sea experience.
- Interested in learning about oceanography (geological, biological, chemical, archaeological) and using a variety of technologies -- including mapping systems -- to explore the ocean.
- Familiar with PCs and Macs, comfortable working with computers, 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 or working aboard E/V Nautilus.
- Eligible to obtain a passport, or have a valid passport through April 2021.
- At least 18 years of age by April 15, 2020.

The Science & Engineering Internship Program is open to individuals who hold a United States or Canadian passport. Applicants must plan to live in the United States or Canada for the duration of the expedition season (June - December 2020).

The Ocean Exploration Trust encourages a diverse pool of applicants particularly learners from populations which are traditionally underrepresented minorities in STEM 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.

Application Requirements

- Online application form
- Cover letter
- Resume
- Finalists will be asked to attend an online interview using Google Hangouts.
- 2 Letters of recommendation
- Unofficial transcripts

Apply for the Seafloor Mapping Internship:

[https://nautl.us/MappingInternship2020](https://nautl.us/MappingInternship2020)
2020 ROV Engineering Internship

The Remotely Operated Vehicle (ROV) Engineering Internship aims to train students studying engineering in sea-going operations. Engineering Interns work with our ROV team, learning how to maintain and operate the ROVs Hercules and Argus. The position entails a 2-4-week period working aboard E/V Nautilus as an ROV Argus 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 as Nautilus conducts ROV exploration. Between watches, interns are expected to assist with ROV maintenance, pre-dive and post-dive inspections, as well participate in education/outreach activities. Off-hours include time to network with STEM 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 Argus and complete understanding of ROV Argus GUI, high voltage safety and equipment lockout procedures, and ROV specific documentation.
- Gain familiarity with ROV Hercules GUI features and their operation by working closely with Hercules pilots.
- Develop interpersonal, scientific, leadership 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, archaeological) and using a variety of technologies -- including remotely operated vehicles and mapping systems -- to explore the ocean.
- Familiar with PCs and Macs, comfort working with computers and ability to learn 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 or working aboard E/V Nautilus.
- Eligible to obtain a passport, or have a valid passport through April 2021.
- At least 18 years of age by April 15, 2020.

The Science & Engineering Internship Program is open to individuals who hold a United States or Canadian passport. Applicants must plan to live in the United States or Canada for the duration of the expedition season (June - December 2020).

The Ocean Exploration Trust encourages a diverse pool of applicants particularly learners from populations which are traditionally underrepresented minorities in STEM 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.

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

Application Requirements
- Online application form
- Cover letter
- Resume
- 2 letters of recommendation
- Unofficial transcripts
- Finalists will be asked to attend an online interview using Google Hangouts.

Apply for the ROV Engineering Internship:
https://nautl.us/ROVInternship2020
2020 Video Engineering Internship

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

The position entails a 2-4 week period working aboard E/V Nautilus. While onboard, video interns are assigned an 8-hour working shift, split into two 4-hour watches. These hours interns are in the control van as Nautilus conducts ROV or multibeam exploration. Between watches, interns are expected to assist with video engineering activities, system maintenance, and can participate in education and outreach activities. There is no filmmaking final project in this internship. Off-hours include time to network with STEM 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 Engineering Internship will:

- Gain an understanding of shipboard exploration and research cruise operations.
- Learn about conducting scientific research 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 interpersonal, scientific, and outreach communication skills.
Video Engineering Internship Eligibility

Applicants must be / must have:

- Community college, undergraduate, or graduate student 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.
- Familiar with PCs and Macs, comfort working with computers, and ability to learn 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 or working aboard E/V Nautilus.
- Eligible to obtain a passport, or have a valid passport through March 2021.
- At least 18 years of age by April 15, 2020.

The Science & Engineering Internship Program is open to individuals who hold a United States or Canadian passport. Applicants must plan to live in the United States or Canada for the duration of the expedition season (June - December 2020).

The Ocean Exploration Trust encourages a diverse pool of applicants particularly learners from populations which are traditionally underrepresented minorities in STEM 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.

Application Requirements

- Online application form
- Cover Letter
- Resume
- Finalists will be asked to attend an online interview using Google Hangouts.
- 2 Letters of Recommendation
- Unofficial Transcripts
- [Optional] Sample of Work

Apply for the Video Engineering Internship:

https://nautl.us/Videointernship2020
About Ocean Exploration Trust
The Nautilus Exploration Program was founded in 2008 by Dr. Robert Ballard and is conducted by the Ocean Exploration Trust. Our international program centers on scientific exploration of the seafloor launched from aboard the Exploration Vessel (E/V) Nautilus, a 64-meter research vessel. In addition to conducting scientific research, the Nautilus Exploration Program offers its expeditions to explorers on shore via live video, audio, and data feeds from the ship. Ocean Exploration Trust brings educators and students aboard E/V Nautilus during expeditions, offering them hands-on experience in ocean exploration, research, and communications. The international Corps of Exploration consists of scientists, engineers, educators, communicators, and students. The Corps of Exploration aim to share their stories and their science with the world and believe in serving as STEM role models to future generations of explorers.

Our Goals
➢ To explore the unknown parts of the world’s ocean, seeking out new discoveries in the fields of geology, biology, maritime history, archaeology, and chemistry;
➢ To develop the technology needed to enable exploration and education;
➢ To use the excitement generated by our expeditions to motivate and inspire young minds to pursue careers in STEM.

Our Previous Expeditions
Learn about more than 110 deep ocean exploration expeditions conducted by OET since 2008. Expedition Map
The 2020 Nautilus Exploration Program

The 2020 Nautilus Exploration Program season will be up to six months in the field exploring the eastern Pacific Ocean along the western coasts and offshore features of Canada and the United States. Ocean Exploration Trust conducts exploration using a multibeam mapping system, remotely operated vehicles, and telepresence technology. The Ocean Exploration Trust, which conducts the Nautilus Exploration Program, will announce specific expedition objectives and ports of call in April 2020.

E/V Nautilus is a 64-meter exploration vessel with 17 crew members and berthing for a 31-member rotating Corps of Exploration. The ship carries two Remotely Operated Vehicles (ROVs) named Hercules and Argus that explore the seafloor in real-time online via our telepresence technology. A hull-mounted multibeam system is installed on Nautilus and is routinely used for full-ocean depth seafloor mapping. The ship also has a Data Lab and Wet Lab for processing digital data and physical seafloor samples. A key component of our exploration is to share our expeditions with students and colleagues globally. We stream live video from our ROVs and various locations on the ship online to the website www.nautiluslive.org. We encourage explorers of all ages to join our expeditions live by participating through the interactive portions of the website.

Living conditions on E/V Nautilus consist of shared rooms with bunk beds and bathrooms. We share three meals a day in a group dining room. Nautilus also has an outdoor lounge area and a state-of-the-art indoor lounge with exploration viewing monitors. WiFi internet is available in common areas for personal use and a few landline telephones are provided in public spaces.

For more information about the Nautilus Exploration Program, E/V Nautilus, our exploration vehicles and previous expeditions, please visit www.NautilusLive.org or our social media.
Stipend & costs associated with Science & Engineering Internships

Stipend payment
Science & Engineering Internship participants will receive a stipend of $500 per week for time spent at sea aboard E/V Nautilus. A stipend payment will be made directly to participants after they complete the internship program including all program evaluation requirements.

Covered - Expedition Travel & Board
Those selected as 2020 Interns will be provided travel to/from their closest major airport to the ship’s port for their assigned at-sea expedition(s). During the expedition at sea, Interns are provided full room and board in the form of shared cabins and full meals prepped by our crew. Interns are eligible for per diem on travel days.

Not Covered - Required - Valid current passport until 2021
Because E/V Nautilus is a foreign-flagged vessel which often travels through international waters, all program participants must have a United States or Canadian passport valid until April 2021. If you do not currently have a passport and are accepted, you must apply for one immediately after acceptance. Passport application or renewal fees are the responsibility of the participant.

Selection Process & Important Internship Dates

<table>
<thead>
<tr>
<th>Date Range</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>September - Jan 24, 2020</td>
<td>SEIP Applications Open</td>
</tr>
<tr>
<td>Jan 24, 2020</td>
<td>Applications due</td>
</tr>
<tr>
<td>Jan 24 - Feb 14, 2020</td>
<td>Application Review</td>
</tr>
<tr>
<td>Feb 14, 2020</td>
<td>Applicants selected for interview round notified</td>
</tr>
<tr>
<td>Feb 18 - 28, 2020</td>
<td>Online interview period for program finalists</td>
</tr>
<tr>
<td>Mar 6, 2020</td>
<td>2020 SEIP acceptances emailed</td>
</tr>
<tr>
<td>June - November 2020</td>
<td>Expedition Dates: TBD 2-5 weeks</td>
</tr>
</tbody>
</table>

Interns are selected by an OET staff and contractor committee. Decisions are made by the committee as a whole, not by individuals. All applications will be reviewed after the January 24, 2020 deadline. Finalist interviews using Google Meet will be scheduled on a weekday between Feb 18 - 28, 2020. The committee aims to make final selections by March 6, 2020. Due to the number of applications we receive, we cannot offer individual feedback on applications.
How to Apply

Complete the application checklist by the January 24, 2020 midnight EST deadline. Only complete and on-time applications (with both letters of recommendation) will be considered.

Application links are within each internship’s specific description.

If you have any difficulty with the forms or application instructions, please contact the OET Team at education@oet.org with a note including which SEIP internship you’re applying for.

Summary of SEIP Application Requirements

All application materials are to be completed and uploaded online. A complete SEIP application requires the following documents:

- Online Application Form
- Cover Letter
- Resume
- Unofficial Transcripts
- 2 Letters of Recommendation
- Video Engineering Interns Only: OPTIONAL Sample of Work

Application Checklist:

- Online Application Form
  - Use the online form to submit all of your application materials. This form is not editable; make sure you enter all required information correctly. Includes:
    - Your availability in 2020 to join an expedition at sea (Indicate specific dates you are NOT available June - November 2020.)
    - Files you must prepare ahead of starting the Online Application Form are marked UPLOAD below. Please note the appropriate file type and naming convention for each document.

- Cover Letter (UPLOAD)
  - Include:
    - which internship you are applying for and why you want this particular internship with the Nautilus Exploration Program / OET,
    - what specific qualities or previous experiences (work, academic, or in research settings) you bring to the Corps of Exploration, and
    - how you envision you will incorporate the at-sea internship experience into your education goals and/or future career.
  - Save as a PDF named: SEIP2020_Lastname_Firstname_CoverLetter.pdf

- Resume (UPLOAD)
  - 2 pages max, minimum 11-point font
  - Save as a PDF named: SEIP2020_Lastname_Firstname_Resume.pdf
2 Letters of Recommendation
- Two letters are required. Letters may be from professors, advisors, mentors, or others familiar with your academic, work, and/or field experience.
  - Recommendations must be submitted by the referee, not the applicant. When submitting the Online Application Form, you will need both referee's name and email addresses on hand.
- Recommendation letters must be submitted online by January 24, 2020. It is your responsibility to ensure we receive your letters before the deadline. Applications missing letters are incomplete and will not be considered.
- Provide referees the Recommendation Letter Form (Page 16) in this packet.

Transcripts (UPLOAD)
- Unofficial transcripts of undergraduate and/or graduate school record to date.
- Upload as a PDF named: SEIP2020_Lastname_Firstname_Transcripts.pdf

OPTIONAL Video Engineering Interns Only: Sample of Work
- Videos should be a representative example of your communication style, video engineering, production experience, and/or on-screen/behind the camera presence.
- Work sample videos uploaded to YouTube, Vimeo or a personal website are accepted. When submitting the Online Application Form, include any passwords required to view your work sample.
- Applicants choosing not to submit an optional video work sample will not be at a disadvantage in the review process. Contact education@oet.org with questions.
Recommendation Letter Form

To Internship APPLICANT:
Provide these instructions to a professor, advisor, or person familiar with your qualities as a student and your qualifications for the internship program. Select someone who is able to comment specifically on how you would fit into the role of an intern with the Nautilus Exploration Program.

SEIP Applicant’s Name: ____________________________________________________________

Applicant is applying for the following one (1) internship:

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

To RECOMMENDER:
The student above is applying for an internship with Ocean Exploration Trust and has asked that you provide a letter of reference. We appreciate your time and effort in supplying this perspective and background information which is an important component to their application. If you need additional information about the internship or have any questions, please contact the OET Team at: education@oet.org.

Each internship pool is reviewed separately. If the student is applying for multiple internships, please submit multiple letters speaking uniquely about the student’s qualifications for each position.

Instructions

● Write a personal, original and signed letter of recommendation describing:
  ○ the length of time you have known the applicant and in what capacity,
  ○ the applicant’s communication, teamwork, and interpersonal skills,
  ○ their specific and/or overall qualifications for this internship as it relates to their education or career goals, and
  ○ your recommendation for their participation in the Nautilus Exploration Program Science and Engineering Internship.

● Save as a PDF named: SEIP2020_ApplicantLastName_ApplicantFirstName_Reference_YourLastName.pdf

● Follow the appropriate link below to complete a short referee form and upload a PDF of your letter to Ocean Exploration Trust.
  Ocean Science Internship or https://nautl.us/2Z6d2TT
  Seafloor Mapping Internship or https://nautl.us/30nBBZ8
  ROV Engineering Internship or https://nautl.us/2KX3UXZ
  Video Engineering Internship or https://nautl.us/2MtaSHc
Frequently Asked Questions

Do you accept applications from those living outside the US, Canada, or Mexico?
Due to restrictions as a foreign-flagged vessel and program sponsorship, the Science & Engineering Internship Program is only open to individuals who hold a United States or Canadian passport. Applicants must plan to live in the United States or Canada for the duration of the expedition season (June - December 2020).

Can I request an internship assignment longer than 2-5 weeks if I have a school / graduation requirement?
Unfortunately, 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 staff interns to sail for 2-5 weeks working embedded with our Corps of Exploration.

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. You may have a chance to go swimming before or after an expedition on your own personal time.

What if I can’t go on the ship during the school year?
Our expedition season stretches across the shoulders of the academic year and the summer. We understand not everyone is able to miss weeks during the school year, in the same way others can’t miss weeks of the summer. When completing the online application form, indicate dates you are NOT available to sail. It is very important that you 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 to go to sea. As the 2020 expedition schedule is set by our Leadership Team, the education team will consider selected Interns’ availability against the expedition schedule to determine cruise assignments. Most expeditions last 1-3 weeks, so in some cases Interns may sail on two back-to-back expedition legs to total 2-5 weeks at sea.

Do you contact my recommenders asking for a letter or should I?
We do not contact your recommenders asking them to write / submit letters of recommendation. It is the applicant’s responsibility to ask the two recommenders to write letters and provide those recommenders with instructions on how to submit them to the Ocean Exploration Trust review committee. The instructions on how to submit and label the letter file are found in the application packet.
What is it like living on a ship?
Living conditions on E/V Nautilus consist of shared rooms with bunk beds and bathrooms. We share three meals a day in a group dining room. Nautilus also has an outdoor lounge area and a state-of-the-art indoor lounge with exploration viewing monitors. WiFi internet is available in common areas for personal use and a few landline telephones are provided in public spaces. The Corps of Exploration team is made up of a wide variety of professionals with a range of experience. All teams include mentors who teach and direct their teams. We are proud of the ship being an environment of teaching and learning and a great place to experience working at sea.

How can I improve my application from a previous year or stand out if this is my first-time?
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. One way to improve your application is to work on your cover letter. 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 qualities) if accepted. Tell us how can we help you achieve your goals for your academic career and beyond. In the time between applications, stay involved in programs and activities that will help you get to your future goal. Extracurricular activities in your field choice is noticeable when looking at one years application to the next. Work experiences are valuable alongside academic experiences if you explain clearly how they have helped you develop or skills you bring from previous experience to this 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 and what this internship entails and tell the committee how ocean exploration experience will help you with your future career. Use your cover letter to describe why this learning opportunity stands out from others to help you stand out.
● Talk up 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 service available for free to help proofread cover letters, review resumes, and help you practice for interviews. Put your most professional foot forward in your application.