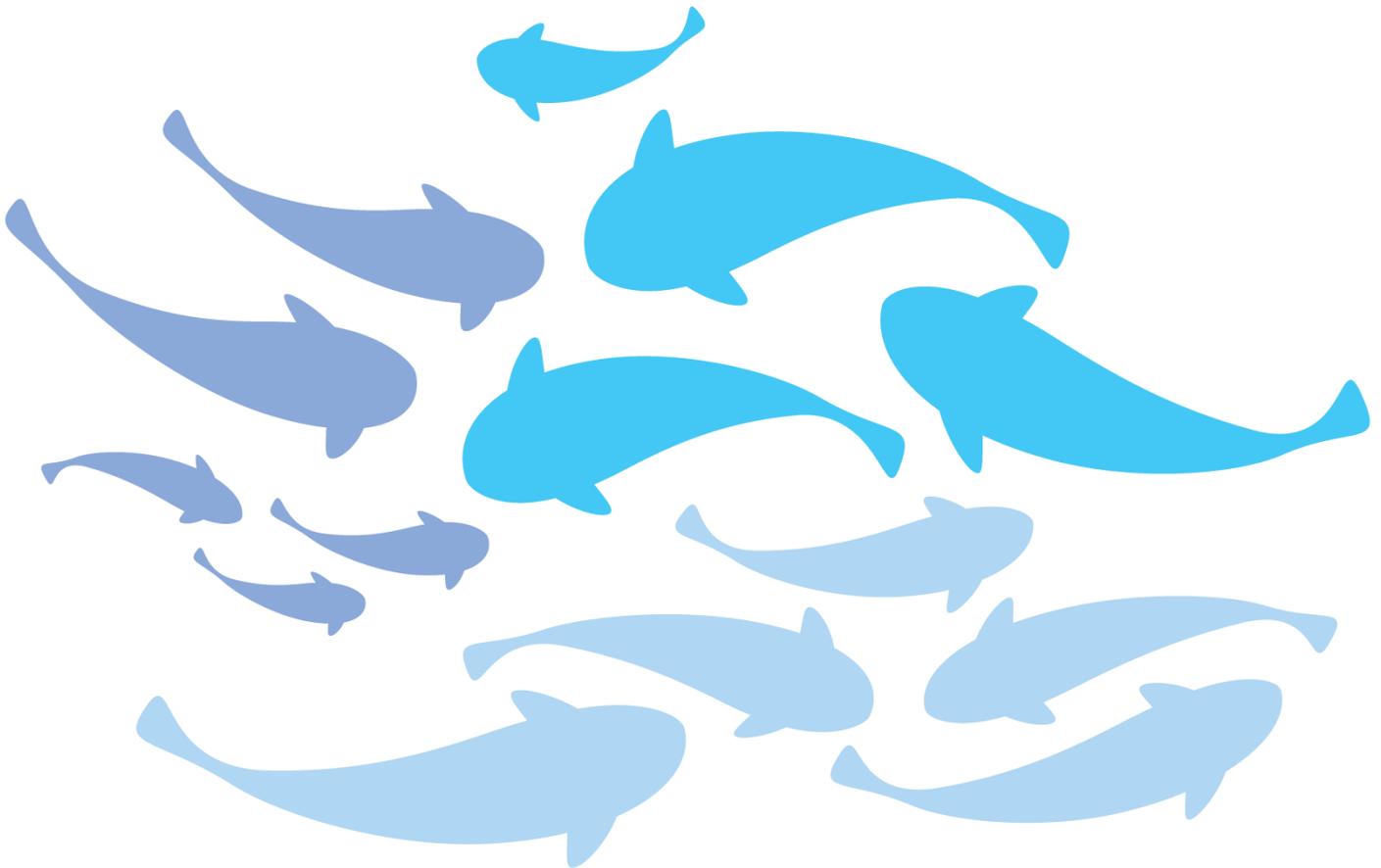




**NOAA  
FISHERIES**

Protected Species Workshop III

# **Student Diversity, Inclusion & Outreach Half-Day: Introduction to Protected Species Assessments & Opportunities at NOAA Fisheries**



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## Overview

This student-focused/DEI optional half-day (afternoon) is co-hosted by Florida International University (FIU) and will include presentations and discussions on various aspects of NOAA Fisheries' protected species assessment process with undergraduate and graduate students from FIU and other nearby academic institutions. We will also discuss student internship and scholarship opportunities at NOAA Fisheries and have agency scientists, managers, and affiliates available to answer questions and discuss a wide variety of marine focused career options, including those at NOAA Fisheries.

This effort is organized around the following three themes:

- Theme 1:** Introduction to Protected Species Assessments
- Theme 2:** Student Opportunities at NOAA Fisheries, Resume Tips and Employment Resources
- Theme 3:** Panel Discussion with NOAA Fisheries Experts

## Co-Hosted by FIU

[Dr. Jeremy Kiszka](#) is an Assistant Professor at Florida International University in the Institute of Environment and Department of Biological Sciences. In 2019, Dr Kiszka created [The Marine Conservation Ecology Laboratory](#) to investigate the ecology, behavior and conservation issues of charismatic marine megafauna. His research focuses on investigating how ocean ecosystems affect the ecology and behavior of marine mammals and other marine vertebrates and how these large and long-lived species can influence community and ecosystem dynamics. In addition, the lab focuses on assessing how long-term and acute anthropogenic impacts affect populations, and developing new tools and methods to study and mitigate these impacts in a cost-effective way. Marine megafauna are particularly challenging to observe and are facing major conservation challenges at the global scale due to bycatch, overfishing, habitat destruction and climate change. Dr. Kiszka's study areas include Biscayne Bay and Florida Straits, Caribbean, Gulf of Mexico, Northwestern Atlantic, and the Western Indian Ocean. Dr Kiszka Serves as an Associate Editor of *Frontiers in Marine Science* and *Endangered Species Research*, is a Member of the IUCN Cetacean Specialist Group (Species Survival Commission), and a Member of the Expert Panel on cetacean bycatch of the International Whaling Commission.

At FIU, Dr. Kiszka teaches the online course 'Biology of Marine Mammals' (OCB 4303) and 'Coastal Marine Conservation' (OCB 4070). Through research and education, he also creates outreach tools and works on providing opportunities for students from minority groups and developing countries to build capacity. The Marine Conservation Ecology lab welcomes students interested in developing new ideas, and empowers creative minds to make waves in ocean conservation. For more information on Dr Kiszka's research projects, publications, and partners please visit <https://marineconservationecologylab.com/>.



# Agenda

1:00-1:15pm	<b>Registration</b>
1:15 - 1:30pm	<b>Welcome Remarks</b> <i>Lesley Stokes, Southeast Fisheries Science Center (SEFSC), Marine Mammal Turtle Division, Research Fisheries Biologist</i> <i>Jeremy Kiszka, FIU, Assistant Professor, College of Arts, Sciences &amp; Education, Department of Biological Sciences, Marine Conservation Ecology Lab</i>
1:30-1:40	<b>Introduction to NOAA and NOAA Fisheries</b> <i>Erin McMichael, ECS in support of Office of Science &amp; Technology, Protected Species Science Program, Research Associate</i>
1:40 - 2:00 pm	<b>Introduction to Protected Species Assessments at NOAA Fisheries</b> <i>Eric Patterson, on detail to Office of Science &amp; Technology (OST), Assessment &amp; Monitoring Division, Acting Assessment Branch Chief (Permanent Position: Office of Protected Resources (OPR), Marine Mammal and Sea Turtle Conservation Division, Cetacean and Pinniped Conservation Lead)</i>
2:00-1:10 pm	<b>Introduction and Student Handouts</b> <i>Erin McMichael</i>
2:10-2:25 pm	<b>Ernest F. Hollings Undergraduate Scholarships &amp; José E. Serrano Educational Partnership Program with Minority Serving Institutions (EPP/MSI) Undergraduate Scholarship</b> <i>Natasha White, NOAA Office of Education, Program Manager</i>
2:25-2:40 pm	<b>William M. Lapenta Internship Program</b> <i>Peter Roohr, NOAA Office of Education, Program Manager</i>
2:40-3:10 pm	<b>Additional Opportunities at NOAA Fisheries &amp; Other Career Resources</b> <i>Erin McMichael</i>
3:10-3:20 pm	<b>My Experience as a Hollings and Lapenta Scholar</b> <i>(Emily Speciale, Hollings Scholar, NEFSC)</i>
3:20-3:40 pm	<b>Break</b> <i>(Please bring your own mug and/or reusable water bottle)</i>
3:40-5:00 pm	<b>Panel/Round Table Discussion with NOAA Fisheries Experts</b> <i>Lesley Stokes - Moderator</i> <i>Jenny Litz - (SEFSC, Marine Mammal &amp; Turtle Division, Marine Mammal Branch Chief)</i> <i>Joe Pfaller (SEFSC, Marine Mammal &amp; Turtle Division, Turtle Branch Chief)</i> <i>Elizabeth Chilton (OST, Monitoring Branch Chief)</i> <i>Kristan Blackhart (OST, National [Fish] Stock Assessment Program Lead)</i> <i>Genevieve Davis (NEFSC, Passive Acoustic Research Group, Research Acoustician)</i> <i>Alex Curtis (SWFSC, Marine Mammal &amp; Turtle Division, Research Biologist)</i> <i>Yvonne Barkley (PIFSC, Cetacean Acoustics Postdoctoral Researcher)</i> <i>Cullen Hauck (NEFSC, Hollings Scholar)</i> <i>Emily Speciale (NEFSC, Hollings Scholar)</i>
5:00 pm	<b>Adjourn</b>

# Student Opportunities



NOAA Education hosts a website with information about scholarships, internships, fellowships, and career development opportunities for high school students through post-doctoral: <https://www.noaa.gov/students>

- **Educational Partnership Program with Minority Serving Institutions:** Works to increase the number of students from underrepresented communities, who are educated, trained and graduated in fields that directly support NOAA's mission. Opportunities are available at the undergraduate and graduate levels: <https://www.noaa.gov/office-education/epp-msi/undergraduate-scholarship>
- **Ernest F. Hollings Undergraduate Scholarship:** Increases undergraduate training in oceanic and atmospheric science, research, technology, and education and fosters multidisciplinary training opportunities while inviting recruitment and preparation of students for public service careers with NOAA: <https://www.noaa.gov/office-education/hollings-scholarship>
- **William M. Lapenta NOAA Student Internship Program:** Targets current undergraduate and graduate students to work on areas such as weather, climate and ocean modeling and forecasting, Earth system science, decision support tools, social science and operational products to support NOAA's weather, water and climate enterprise. Each student will collaborate with one or more scientists at NWS, OAR and NESDIS labs and offices nationwide. Applications due December 31. <https://vlab.noaa.gov/web/lapenta-internship-program/home>
- **Pathways Program:** Eligible undergraduate interns may be converted to a permanent federal position within a defined timeframe upon successful completion of the program that combines education and work experience: <https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/students/>
- **Chesapeake Bay Internships:** Bay-related undergraduate and graduate-level internships include opportunities with NOAA as well as collaborative organizations. Experiences include fisheries sampling, data collection and analysis, habitat restoration, GIS skills, and community outreach. Most internships are offered during the summer months, but some may be available at other times of the year: <https://chesapeake.org/ncbo/>
- **NOAA Ocean Exploration Explorer-in-Training Program:** Provides interdisciplinary opportunities that enable the next generation of ocean explorers to increase their competitiveness in ocean-related fields. Shore-based or at-sea internships can include collaboration on ongoing projects or supporting expeditions and are available to undergraduate/graduate students and recent graduates: <https://oceanexplorer.noaa.gov/oceanos/training.html>
- **Dr. Nancy Foster Scholarship Program:** Provides support for outstanding scholarship and encourages independent graduate-level research in oceanography, marine biology, or maritime archaeology - particularly by women and members of minority groups: <https://fosterscholars.noaa.gov>
- **John A. Knauss Marine Policy Fellowship:** Provides a unique educational experience to graduate students having an interest in ocean, coastal and Great Lakes resources and in national policy decisions affecting those resources: <https://seagrant.noaa.gov/Knauss-Fellowship-Program>
- **National Marine Fisheries Service/Sea Grant Joint Graduate Fellowship Program in Population Dynamics and Marine Resource Economics:** Fellowship for Ph.D. candidates who are interested in either of these two disciplines: <https://seagrant.noaa.gov/NMFS-SG-Fellowship>
- **Office of Coastal Management Fellowships:** Provides on-the-job education and training opportunities in coastal resource management and policy for postgraduate students through project assistance to state coastal zone management programs. <https://www.coast.noaa.gov/fellowship/>
- **NOAA Climate & Global Change Postdoctoral Fellowship:** Appointed fellows are hosted by a mentoring scientist to become the next generation of researchers for climate studies: <https://cpaess.ucar.edu/cgc>



### Opportunities from NOAA partner organizations

- American Fisheries Society Hutton Scholarship summer mentoring program for high school students underrepresented in fisheries science and management: <https://hutton.fisheries.org/>
- American Meteorological Society scholarships and fellowships: <https://www.ametsoc.org/index.cfm/ams/information-for/students/ams-scholarships-and-fellowships/>
- National Weather Association scholarships and grants: <https://nwas.org/scholarship-grants/>
- Virtual Student Federal Service internship program for undergraduate and graduate students: <https://vsfs.state.gov/>



NOAA Education career resources: <https://www.noaa.gov/education/career-resources>

**Interested in a marine science career?** Learn about the wide range of marine careers and people working in those fields.

- OceanAGE Careers: <https://oceanexplorer.noaa.gov/edu/oceanage/welcome.html>
- Sea Grant Guide to Ocean Opportunities: <https://www.marinecareers.net>

**Interested in a career as a meteorologist or hydrologist?**

You will need a college degree in meteorology, atmospheric sciences or a related science. Course work includes calculus and differential equations, physics, chemistry, remote sensing, computer sciences, and hydrology.

- Careers in the National Weather Service: <https://www.weather.gov/jetstream/careers>
- American Meteorological Society: <https://www.ametsoc.org/ams/index.cfm/education-careers/>



### Career opportunities

Most NOAA federal positions are filled through USAJobs. Search for NOAA jobs at: <https://www.usajobs.gov> using keyword “NOAA.”

Learn how to search for jobs and complete the federal hiring process at the Office of Personnel Management’s help center: <https://www.usajobs.gov/Help>

### Pathways Program

- Students: <https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/students/>
- Veterans: <https://www.usajobs.gov/Help/working-in-government/unique-hiring-paths/veterans/>



### NOAA Corps and civilian positions

NOAA Commissioned Officer Corps, a uniformed service:

<https://www.oma.noaa.gov/learn/noaa-corps/join>

NOAA civilian vessel jobs:

<https://www.oma.noaa.gov/explore/audiences/professional-mariner>

### Contract opportunities at NOAA

In addition to federal positions, NOAA uses contract employees hired by companies awarded periodic contracts. Different types of contractor duties support the NOAA mission, including scientists, administrators, IT and communications specialists. To find these positions use “NOAA” as a keyword in your job search. A partial list of companies currently filling contract positions:

- BAE Systems: <https://jobs.baesystems.com/global/en/search-results>
- CollabraLink: <https://collabralink.com/work-with-us>
- Consolidated Safety Services: <https://jobs-css.icims.com/jobs/intro>
- Earth Resources Technology (ERT): <https://www.ertcorp.com/careers/>
- ECS: <https://ecstech.com/careers/>
- Federal Working Group: <http://federalworking.com/careers/>
- I.M. Systems Group: <https://imsg.com/index.php/careers/>
- Innovim: <https://innovim.com/careers/>
- Integrated Systems Solutions: <https://issmgt.com/careers/>
- Lynker Technologies: <https://www.lynker.com/careers/>
- Maximus Federal: <https://www.maximus.com/careers>
- M2 Strategy: <https://www.m2strategy.com/join-m2/>
- Quantum Spatial: <https://www.nv5.com/careers/>
- SAIC Systems: <https://jobs.saic.com>
- Tetra Tech: <https://www.tetrattech.com/careers>
- Versar: <https://www.versar.com/job-opportunities.html>

### Career resources from partner organizations

- National Marine Sanctuary Foundation jobs and internships: <https://marinesanctuary.org/jobs-and-internships/>
- Sea Grant careers: <https://seagrant.noaa.gov/Careers>



## Ernest F. Hollings Undergraduate Scholarship

### Includes

- Up to \$40,000 stipend
- 10-week paid summer internship at NOAA
- Funds for travel and conference participation

### Eligibility

- U.S. citizen
- 3.0 minimum GPA
- Major in NOAA mission fields, including STEM and social science



Apply September through January of sophomore year

\*third year students in five-year programs may also apply

[noaa.gov/hollings](https://noaa.gov/hollings)





**NOAA Office of Education**  
***Educational Partnership Program with Minority Serving Institutions***  
***“Demonstrating NOAA’s Commitment to Education, Training, and Professional Development of the Next Generation NOAA-mission STEM workforce”***

**Program Overview**

The Educational Partnership Program with Minority Serving Institutions (EPP/MSI) is a NOAA future workforce program that supports the education, training, and professional development of students majoring in NOAA-mission aligned disciplines, including STEM fields, policy, resource management and social sciences. EPP/MSI-supported students develop skills and competencies through collaborative research and rigorous internships to equip them to be qualified candidates for NOAA’s future workforce.

**EPP/MSI Undergraduate Scholarship Program**

High achieving undergraduate students attending Minority Serving Institutions (MSIs) who major in NOAA mission-aligned STEM, policy and resource management fields are eligible to apply for the [EPP/MSI Undergraduate Scholarship Program](#) (USP). Scholars conduct rigorous summer internships at NOAA facilities under the mentorship of NOAA scientists and managers during the summers prior to their junior and senior years. Scholars receive professional development training and additional financial support for travel to conferences and internships.

**EPP/MSI Cooperative Science Centers**

The [EPP/MSI Cooperative Science Centers](#) (CSCs) is a consortium of academic institutions, led by MSIs, that are focused on the education, training and graduation of highly skilled undergraduate and graduate fellows in NOAA-mission aligned STEM, policy, and resource management disciplines with a focus on students from traditionally underrepresented and historically excluded communities. In addition to conducting graduate-level research, CSC graduate fellows must complete a rigorous 12-week graduate internship at a NOAA facility under the guidance of a NOAA mentor and an academic advisor during their academic careers.

***EPP/MSI supports four CSC awards:***

- **NOAA Center for Atmospheric Sciences and Meteorology at Howard University**
  - Partner institutions: Jackson State University; Pennsylvania State University; The University of Texas at El Paso; The University of Puerto Rico at Mayaguez; The

State University of New York at Albany; The University of Maryland College Park; San Jose State University; and, The University of Maryland Baltimore County

- **NOAA Center for Earth System Sciences and Remote Sensing Technologies at City College of The City University of New York**
  - Partner institutions: Hampton University; the University of Maryland-Baltimore County; the University of Puerto Rico at Mayaguez, San Diego State University; and, University of Texas at El Paso
  
- **NOAA Center for Coastal and Marine Ecosystems at Florida A&M University**
  - Partner institutions: Bethune-Cookman University; California State University Monterey Bay; Jackson State University; Texas A&M University-Corpus Christi; and, The University of Texas at Rio Grande Valley

### **EPP/MSI Graduate Fellowship Program**

CSC-supported master's and doctoral fellows are eligible to apply for the [EPP/MSI Graduate Fellowship Program](#) (GFP). This program requires fellows to spend 12 contiguous months at a NOAA facility under the mentorship of NOAA scientists and managers to complete collaborative research that is aligned with NOAA's mission and complimentary to the master's thesis or doctoral dissertation. There are no costs associated with hosting an EPP/MSI Graduate Fellow. Stipend, travel, and other expenses are supported by EPP/MSI.

### **Need Additional Information?**

Please reach out to the program via email at: Undergraduate Scholarship Program: [epp.usp@noaa.gov](mailto:epp.usp@noaa.gov), Cooperative Science Centers: [oad.epp10@noaa.gov](mailto:oad.epp10@noaa.gov), or Graduate Fellowship Program: [epp.gfp@noaa.gov](mailto:epp.gfp@noaa.gov).



## **José E. Serrano Educational Partnership Program with Minority Serving Institutions (EPP/MSI) Undergraduate Scholarship**

### **Includes**

- Up to \$45,000 stipend
- Two 10-week paid summer internships at NOAA
- Funds for travel and conference participation
- Professional development

### **Eligibility**

- U.S. citizen or U.S. national
- Attend an MSI
- 3.2 minimum GPA
- Major in NOAA mission fields, including STEM and social science



**Apply September through January of sophomore year**  
\*third year students in five-year programs may also apply  
[noaa.gov/eppmsi-scholarship](https://noaa.gov/eppmsi-scholarship)



## NOAA Living Marine Resources Cooperative Science Center

<https://www.noaa.gov/office-education/epp-msi/csc/noaa-living-marine-resources-cooperative-science-center>

**Award Recipient:** University of Maryland Eastern Shore

**Primary NOAA Line Office:** NOAA Fisheries (National Marine Fisheries Service)

<https://wwwcp.umes.edu/lmrcsc/>

The NOAA Living Marine Resources Cooperative Science Center (LMRCSC) trains and graduates students from underrepresented communities in marine science for careers in research, management, and public policy that support the sustainable harvest and conservation of our nation’s living marine resources. With its partner institutions, the LMRCSC conducts research on marine and estuarine systems congruent with the interests of NOAA Fisheries. The Living Marine Resources Cooperative Science Center is supported by the [NOAA Education Partnership Program with Minority-Serving Institutions](#) (EPP/MSI).

The center is involved in collaborative research projects between its [partner institutions](#) and NOAA in areas such as stock assessment, essential fish habitat, resource economics, and sustainable aquaculture. The center's research has contributed information needed for the protection, management, and restoration of coastal and marine fish habitats and more than 20 species of finfish, shellfish, and protected species.

In addition, the center hosts summer camps, internships, and other outreach events reaching more than 1,000 K-12 students each year.

ACADEMIC PARTNER	LEAD INVESTIGATOR
Delaware State University	Stacy Smith, Ph.D.
Hampton University	Deidre Gibson, Ph.D.
Oregon State University	Jessica Miller, Ph.D.
Savannah State University	Dionne Hoskins, Ph.D.
University of Maryland Center for Environmental Science Institute of Marine and Environmental Technology	Rosemary Jagus, Ph.D.
University of Miami Rosenstiel School of Marine and Atmospheric Sciences	Elizabeth Babcock, Ph.D.



# WILLIAM M. LAPENTA NOAA INTERNSHIP PROGRAM

Application Period: October 1 - December 31 annually

- 10 week internship  
June - August
- Full time 40 hours per week
- Internship stipend (\$5000)
- Furnished housing
- Travel allowance to and from  
host site



## PAST PROJECTS HAVE INCLUDED:

Activities that improve  
understanding of forecasting  
problems

Developing new data analysis  
techniques with wide application  
and usefulness in operational  
forecasting

Development of improved forecast  
tools (including use of GIS)

Incorporation of social science to  
communicate forecast uncertainty

Improving air quality and  
dispersion models

For questions, please contact  
[lapenta.internships@noaa.gov](mailto:lapenta.internships@noaa.gov)

## ELIGIBILITY:

- Enrolled undergraduate (soph/junior status) or graduate student
- U.S. Citizen
- All STEM majors are welcome to apply. Other majors related to NOAA's mission, such as social science, communications, government, policy and law, will also be considered
- African Americans, Hispanic Americans, Native Americans, Alaska Natives, and Pacific Islanders, persons with disabilities, veterans, first-generation college students, and economically disadvantaged students strongly encouraged to apply

## HOW TO APPLY:

1. Register for an account at <https://lapentainternship.smapply.io/>
2. Upload the following to the site:
  - Personal statement
  - Curriculum Vitae (CV)
  - Transcript (unofficial is sufficient) from  
your institution
  - Two letters of recommendation are required  
to be submitted on your behalf





# Inclusive NOAA Fisheries Internship Program (IN FISH)

The Inclusive NOAA Fisheries Internship Program helps to build a diverse and inclusive workforce of scientists and managers.



**2023 IN FISH Class will be announced in mid-March.**

## About IN FISH

Our Inclusive NOAA Fisheries InternSHIP (IN FISH) is a partnership program between NOAA and research partners in academia and non-governmental research institutions. It is a 10-week paid undergraduate internship for U.S. citizens in an NOAA or partner institution marine research lab or marine resources program office.

The internship is a 10-week experience that includes a 2-week course available for credit through the [University of Maryland Eastern Shore](#)  and 8 weeks of project experience working with a mentor in science or management. A \$5,000 stipend is provided to each participant, with tuition and course supplies also covered.

The IN FISH Program is modeled after the [Woods Hole Partnership Education Program](#)  and Alaska Partnership Education Program internship programs. The structure can vary due to program needs, for example, student interests, program format (virtual, in-person, hybrid), or laboratory location. The basic structure will consist of:

- Two-week ecosystems dynamics course
- Weekly professional development activities, including resume and writing. workshops, scientific presentations and seminars, guest speakers, discussions about graduate school, networking panels, and more
- Team building activities, including ice breakers, trivia night, coffee breaks, team meetings, and more
- Computational and technical workshops in R, R Shiny, GIS, and more
- Completion of research or management projects and can include things like posters, abstracts, presentations, websites, concept maps, and more
- Participation in the student symposium

## Who is Eligible

All undergraduate students who are enrolled in an undergraduate program at the time of the application period and are U.S. citizens and U.S Nationals are eligible to apply and participate.

## What are the Benefits

- Academic training and college credits (2 hours) in ecosystem dynamics and complex systems
- Experiencing real-world research and/or resource management
- Building a professional network of mentors, educators, potential employers, and colleagues
- Training in communications, networking, and other skills needed to succeed in graduate work and entry-level research and management positions
- \$5,000 stipend

## Finding a Project and Mentor

We're lining up our opportunities for 2023, which [are listed here](#). The list will be updated as we get more feedback from mentors and students. For other project ideas, review the research projects IN FISH students completed in [2021](#) and [2022](#).

If you [apply to the 2023 program](#), indicate on your application which mentors or projects interest you. If you secure a spot, we will take your interests into account when we match students with mentors. Soon after we extend offers in March, we will make matches and put students in touch with their mentors to discuss potential projects.

## How to Apply

Application packets must include:

- A completed IN FISH application form
- Cover letter
- Resume or CV
- Unofficial transcript(s)
- Two letters of reference—one must be from a faculty member and the other can be from another professional source

Once you submit your application through the application portal, the references you listed in field #21 will be emailed and asked to submit their letters of reference directly to us. Be advised that once you submit your application it can not be edited. However, you can submit a new application to include any changes or updates. The program will review and consider the most recent application submitted. Returning users can login to retrieve their saved responses.

## **2023 IN FISH Class will be announced in mid-March.**

For more questions/concerns, please email [Darius Johnson](#).

## Class of 2022

In our second year, IN FISH had 15 students from four countries and/or U.S. territories, 12 states, and 13 different colleges and universities in 11 states. Project topic areas range from climate science, endangered species, fisheries, and habitat to public policy, fishing community resilience, seafood marketing, and Indigenous knowledge.

[In each profile](#), students outline their project, explain why it's important, and—always the most compelling part—share insights they've gained into marine science as a career during their time with us

## Questions

If you experience any technical difficulties or have questions about the program or application process, please contact our [Academic Programs Office's Help Desk](#). Please include the following in the subject line of your email, "IN FISH 2023 Application Help – [Your first & last name]."

## More Information

- › [2022 IN FISH Student Highlights](#)
- › [2021 IN FISH Student Highlights](#)
- › [NEFSC Academic Program Office](#)
- › [NOAA Fisheries Careers and More](#)
- › [NOAA Fisheries Outreach and Education](#)

*Last updated by*  
[Northeast Fisheries Science Center](#)  
*on 02/13/2023*



<https://seagrant.noaa.gov/>

## **John A. Knauss Marine Policy Fellowship Program**

Sea Grant's John A. Knauss fellowship program provides a unique educational and professional experience to graduate students who have an interest in ocean, coastal, and Great Lakes resources and in the national policy decisions affecting those resources. The fellowship is named after one of Sea Grant's founders, former NOAA Administrator John A. Knauss. It matches nationally selected finalists with host offices of the Federal government located in the Washington, D.C. area for a one year nonrenewable, paid fellowship. Fellowships are subject to the availability of federal resources and occur on a February 1 to January 31 cycle.

The class of fellows is split into two cohorts—legislative and executive. Each year, legislative fellows are selected to work in the U.S. House of Representative and U.S. Senate. Fellows can be placed in both personal and committee offices. Executive fellows are placed in Federal agencies with marine policy relevant missions. Executive fellows have served on the Committee on the Marine Transportation System, Department of Energy, Department of Interior, Department of Transportation, Environmental protection Agency, Marine Mammal Commission, National Oceanic and Atmospheric Administration, National Science Foundation, Oceanographer of the Navy, State Department, Smithsonian Institute, US Army Corps of Engineers, US Coast Guard, and the White House.

Information for hosts, prospective and existing fellows is available through this site. General information about the fellowship, including application process and alumni information, can be found at <https://seagrant.noaa.gov/Knauss-Fellowship-Program>.

## **National Marine Fisheries Service-Sea Grant Joint Graduate Fellowship**

This fellowship program provides support for students in postdoctoral programs in two specialized areas: population and ecosystem dynamics and marine resource economics. Population and ecosystem dynamics involve the study of fish populations and marine ecosystems to better assess fishery stock conditions and dynamics. The Fisheries-Sea Grant Joint Graduate Fellowship Program in Population and Ecosystem Dynamics and Marine Resource Economics was established in 1999 and is designed to meet ongoing workforce development needs for effective fisheries management.

The goals of the NOAA Fisheries/Sea Grant Fellowship Program are:

- To encourage qualified applicants to pursue careers in either population and ecosystem dynamics and stock assessment or in marine resource economics
- To increase available expertise related to these fields
- To foster closer relationships between academic scientists and NOAA Fisheries
- To provide real-world experience to graduate students and accelerate their career development

<https://seagrant.noaa.gov/NMFS-SG-Fellowship>

## **Additional Opportunities**

<https://seagrant.noaa.gov/graduate-fellowships>

## **Sea Grant Scholarship Opportunities**

Sea Grant scholarships offer opportunities that provide financial assistance and research funding to students pursuing a career in STEM. - 10 scholarships

<https://seagrant.noaa.gov/Students/Scholarships>

## **Community Engaged Internship for Undergraduate Students**

<https://seagrant.noaa.gov/Students/Undergraduate-Fellowships>

The Community Engaged Internship is designed for undergraduate students from underrepresented and indigenous communities. The overarching goal of this internship program is to broaden participation in marine and coastal professions by providing training and mentorship to the next generation of scientists, decision makers and citizens. The program will do so by recruiting, retaining and engaging diverse students in place-based research, extension, education and/or communication that respects and integrates local ways of knowing.

**The key components of this program are listed below, and details about specific internship opportunities will vary by Sea Grant program:**

- On-the-ground learning experience through a 8-10-week internship over the summer months, including
- completion of a project that extends the knowledge of community stakeholders to address a coastal, marine or Great Lakes issue of environmental, economic and/or social importance, and
- participation in all CEI professional development and training opportunities
- Mentoring by Sea Grant professionals, Sea Grant funded researchers and Knauss Fellows
- Virtual professional development sessions
- Peer discussions with other interns in the cohort through virtual platforms
- A graduation ceremony to celebrate accomplishments, network with peers and other professionals

# OPPORTUNITY -- Paid Internships for Undergraduate Students from Underrepresented and Indigenous Communities



Sea Grant's **Community Engaged Internship (CEI)** aims to broaden participation in coastal, ocean and marine sciences by offering paid internships to students from under-resourced, underrepresented and/or indigenous and tribal populations. The CEI is a national program partnering with Sea Grant at colleges and universities in all coastal states.

**WHEN:** Summer internships are 8-10 weeks long and generally run from June into August.

**STIPEND:** Stipend will vary from state to state. Interns are typically paid \$5000-\$6000 over the 8-10 week period. Some programs may also provide additional travel support to attend the graduation ceremony in Washington, D.C. (August). Programs may offer additional financial support for cost of living, travel, or housing.

**WHAT YOU WILL DO:** Mentors are expected to engage interns in field work, analyses, research and/or outreach and public engagement. CEI interns focus on place-based research, extension, education and/or communication that respects and integrates local ways of knowing.

Details of specific internships vary by different Sea Grant programs. Interns are expected to participate in all aspects of the CEI program:

- **On-the-ground learning experience** includes:
  - Completion of a project that extends the knowledge of community stakeholders to address a coastal, marine or Great Lakes issue of environmental, economic and/or social importance, and
  - Participation in all CEI professional development and training opportunities.
- **Mentoring** by Sea Grant professionals, Sea Grant funded researchers and Knauss Fellows.
- Virtual **professional development** sessions.
- Peer discussions with other interns in the **cohort** using Slack or other virtual platforms.
- **Graduation Ceremony** to celebrate accomplishments, network with peers and other professionals.
- Participation in pre/post **evaluation**.

**ELIGIBILITY:** Interns must be enrolled in an undergraduate degree at a 2- or 4-year college or university associated with a state Sea Grant program. CEI encourages applicants from groups that are historically underrepresented in the sciences, including African-American, American Indian or Alaska Native, Hispanic and Latino, female, first-generation college students, veterans, LGBTQ+, and students with

disabilities. The program is also open to students who have experienced and worked to overcome educational or economic disadvantages, and/or who have personal or family circumstances that may complicate their career paths. Applicants are strongly encouraged to connect with their State Sea Grant program to learn about any additional eligibility requirements.

**HOW TO APPLY:** Contact your state [Sea Grant program](#) to see what internships are currently offered. Intern applications are typically due in the winter months January-March but vary based on the program.

**DEADLINE:** Deadlines will vary between different state Sea Grant programs. Please be in touch with your local Sea Grant program to learn more about their CEI internship application process.

**MORE INFO:** CEI <https://seagrants.noaa.gov/Community-Engaged-Internship>  
Sea Grant <https://seagrants.noaa.gov/>  
Email questions to [seagrants.cei@gmail.com](mailto:seagrants.cei@gmail.com)

# Preparing the next generation of coastal leaders



Fall 2019

For over 50 years, the National Sea Grant College Program (Sea Grant) has trained the nation's top graduate students in coastal science, policy, and related fields. Sea Grant graduate fellows have built a legacy of research that has advanced understanding of coastal resources and communities and helped to preserve vulnerable coastal ecosystems and economies.

## In 2018 alone, Sea Grant supported

**980**  
UNDERGRADUATE  
STUDENTS



**1015**  
GRADUATE  
STUDENTS

### John A. Knauss Marine Policy Fellowship

Since 1979, Sea Grant has launched the professional careers of over 1,300 individuals through one of the nation's most prestigious marine policy fellowship programs. The Knauss fellowship provides a unique educational and professional experience to graduate students who have an interest in ocean, coastal and Great Lakes resources and policy decisions affecting those resources. The program matches fellows with "hosts" in the legislative and executive branches of government for a one-year paid immersive policy experience in the Washington, D.C. area.

**50% of alumni  
work in the federal  
government**



### National Marine Fisheries Service - Sea Grant Joint Fellowship

Since 1990, NOAA's National Marine Fisheries Service (NMFS) and Sea Grant have partnered to encourage qualified applicants to pursue careers in population and ecosystem dynamics and marine resource economics. The fellowship provides two to three years of funding, access to NMFS scientist mentors, and an annual symposium for fellows and NOAA fisheries professionals to exchange ideas and advance related scientific and management fields of study.

**95% of alumni  
remain in their field  
after graduation**



For more information: [seagrant.noaa.gov/graduate-fellowships](https://seagrant.noaa.gov/graduate-fellowships)

Research



**Sea Grant Program Opportunity**

- National NMFS-SG Joint Fellowship Program
- North Carolina Albemarle-Pamlico National Estuary Fellowship
- California California Graduate Research Fellowship
- California Delta Science Graduate/Post-Doctoral Fellowship
- Delaware Delaware Sea Grant-National Estuarine Research Reserve Fellowship
- Florida Florida Sea Grant Nutrient Dynamics Graduate Fellowship
- Florida Guy Harvey Scholarship
- Guam UOG Sea Grant Fellowship
- Hawai'i Peter J. Rappa Sustainable Coastal Development Fellowship
- Maryland Maryland Sea Grant Graduate Fellowship
- Maryland Coastal Resilience and Sustainability Research Fellowship
- Michigan Michigan Sea Grant Research Fellowship
- Michigan Great lakes Summer Fellows Program
- Minnesota Minnesota Sea Grant Internships
- New Hampshire Graduate Fellowship in Coastal Resources
- North Carolina Water Resources Research Institute Student Funding
- North Carolina North Carolina Sea Grant/Space Grant Research Fellowship
- Oregon Robert E. Malouf Marine Studies Scholarship
- South Carolina Kathryn D. Sullivan Earth and Marine Science Fellowship
- Virginia Virginia Sea Grant Research Fellowship

Policy



**Sea Grant Program Opportunity**

- National John A. Knauss Marine Policy Fellowship
- National Coastal Management Graduate Fellowship
- Alaska Alaska Sea Grant State Graduate Fellowship
- California California Sea Grant State Fellowship
- Georgia Georgia Sea Grant State Fellowship
- Hawai'i E. Gordon Grau Coastal & Marine Resource Management Fellowship
- North Carolina Coastal Policy Fellowship
- North Carolina Division of Marine Fisheries Fellowship
- Oregon Oregon Sea Grant Legislative Graduate Fellowship
- Oregon Oregon Natural Resource Policy Graduate Fellowship
- Virginia Commonwealth Coastal and Marine Policy Fellowship
- Washington Washington Sea Grant State Fellowship
- Wisconsin J. Philip Keillor Coastal Management Fellowship

Communication



**Sea Grant Program Opportunity**

- California California Sea Grant Science Communication Fellowship
- Florida Florida Outdoor Writers Association Scholarship
- Minnesota Minnesota Sea Grant Internships
- Washington Washington Sea Grant Science Communications Fellowship

Extension/  
Outreach



**Sea Grant Program Opportunity**

- Hawai'i Peter J. Rappa Sustainable Coastal Development Fellowship
- Michigan Michigan Sea Grant Extension Fellowship
- Minnesota Minnesota Sea Grant Internships
- Virginia Coastal Resilience Post-Graduate Fellowship

For more information and the most up-to-date list of opportunities, visit [seagrant.noaa.gov/students](https://seagrant.noaa.gov/students)



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# Sea Grant undergraduate student opportunities



Fall 2019

**In 2019 alone,  
Sea Grant  
supported**

**981**

undergraduate  
students\*

**542**

students who found  
work in their field\*

**612**

students who earned  
post-secondary  
degrees\*

Sea Grant is a national network that consists of 34 university-based college programs around the U.S and the National Sea Grant Library. These programs have many undergraduate opportunities to support budding STEM professionals, including scholarships, internships and fellowships.



**Sea Grant undergraduate opportunities provide hands-on research experiences, financial assistance, research funding and professional development experiences in new careers.**



### Scholarships

Provide financial assistance and research funding to students in STEM fields.



### Internships

Provide unforgettable hands-on experiences in a variety of STEM-related career paths.



### Fellowships

Provide professional development with various STEM partners.



**More information at [seagrant.noaa.gov/students](https://seagrant.noaa.gov/students)**

\*Numbers based on data reported in June 2019 for work completed Feb 2018 to Jan 2019

# Undergraduate Student Internships and Fellowships

Sea Grant fellowships and internships provide experiences in a variety of areas

## Research



### Sea Grant Program Opportunity

Illinois-Indiana	Summer Undergrad Student Internship Program
Maryland	Summer Research Experience for Undergrads
Michigan	Great Lakes Summer Fellows Program
Minnesota	Minnesota Sea Grant Internships
MIT	MIT Sea Grant Internships
New Hampshire	Undergraduate Ocean Research Program
Ohio	Stone Lab Research Experience for Undergrads
Oregon	Oregon Applied Sustainability Experience
Pennsylvania	Pennsylvania Sea Grant Internships
Rhode Island	Coastal Fellowship
Texas	Texas A&M University: Sea Grant Scholars Program

## Extension, Outreach and Education

### Sea Grant Program Opportunity

Georgia	Marine Education Internship
Illinois-Indiana	Summer Undergraduate Internship Program
Minnesota	Minnesota Sea Grant Internships
New Hampshire	Undergraduate Ocean Research Program
Oregon	Oregon Sea Grant Summer Scholars
Pennsylvania	Pennsylvania Sea Grant Internships

## Communication

### Sea Grant Program Opportunity

Minnesota	Minnesota Sea Grant Internships
Pennsylvania	Pennsylvania Sea Grant Internships
Rhode Island	Writing and Reporting Undergrad Internship
Washington	Science Communications Fellowship



For more information and the most up-to-date list of undergraduate opportunities, visit [seagrant.noaa.gov/students](https://seagrant.noaa.gov/students)



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## Dr. Nancy Foster Scholarship Program

<https://fosterscholars.noaa.gov/aboutnf.html>

NOAA's Dr. Nancy Foster Scholarship Program provides **support for master's and doctoral degrees** in oceanography, marine biology, maritime archaeology—these may include but are not limited to ocean and/or coastal: engineering, social science, marine education, marine stewardship, cultural anthropology, and resource management disciplines—and particularly encourages women and members of minority groups to apply. Dr. Nancy Foster Scholarships may provide, subject to appropriations, yearly support of up to \$42,000 per student (a 12-month stipend of \$30,000 in addition to an education allowance of up to \$12,000), and up to \$10,000 of support for a 4-6 week program collaboration at a NOAA facility. Masters students may be supported for up to two years, and doctoral students for up to four years. Depending on funding, approximately two to four scholarships are awarded each year.

Scholarships are distributed by disciplines, institutions and geography, and by degree sought, with selections within distributions based on financial need, the potential for success in a graduate level studies program (academic achievement), and the potential for achieving research and career goals.

The Dr. Nancy Foster Scholarship Program is dedicated to ensuring that diversity, equity, and inclusion are at the core of every action and every decision. We know that having varied perspectives helps generate better ideas to solve the complex problems of a changing world. To be effective stewards we must ensure our programs reflect the communities in which we live, work, and play. The longevity and success of our system depends on creating a culture that is welcoming and inclusive of all.

To apply, each applicant must:

- be a U.S. citizen, permanent resident or a citizen of a U.S. territory;
- pursue or intend to pursue a masters or doctoral level degree in oceanography, marine biology, or maritime archaeology—these may include but are not limited to ocean and/or coastal: engineering, social science, marine education, marine stewardship, cultural anthropology, and resource management disciplines at a U.S. accredited institution
- have and maintain a minimum cumulative and term grade point average of 3.30 or higher; and
- maintain full-time student status for the duration of the scholarship award.

The program seeks to increase the number of women and minorities in these scientific disciplines, particularly as they relate to the mission of the NOAA Office of National Marine Sanctuaries.

Must complete Application Package

**The application period for the 2023 Dr. Nancy Foster Scholarship Program closed on December 22, 2022. The next application period will open in mid-October 2023.**

# Job Websites

## Job WebSites

### Federal Jobs

USA Jobs <https://www.usajobs.gov/>

- NOAA - NOAA Fisheries
- National Park Service
- US Department of Agriculture
- US Fish & Wildlife Service
- US Geological Survey

❖ Federal Resume Builder

### State Government Websites

Examples:

- Florida Fish & Wildlife Conservation Commission  
<https://myfwc.com/get-involved/employment/careers/>  
<https://peoplefirst.myflorida.com/peoplefirst>
- New Jersey Fish & Wildlife  
<https://dep.nj.gov/njfw/jobs/>
- South Carolina Department of Natural Resources  
<https://www.dnr.sc.gov/admin/dnrhr.html>

### Non Profit Organizations

Examples:

- The Nature Conservancy  
<https://www.nature.org/en-us/about-us/careers/>
- North Carolina Coastal Federation  
<https://www.nccoast.org/about-us/jobs/>
- ICF International  
<https://www.icf.com/careers/jobs>

## Professional Organizations

### Examples:

- Ecological Society of America - information on pursuing ecological careers and link to job sites  
<https://www.esa.org/career-development/job-sites/>
- Associations of Zoos and Aquaria (AZA)  
<https://www.aza.org/jobs>
- Society for Conservation Biology  
Jobs, conferences, careers, etc...
- <https://conbio.org/>
- Society of Wetland Scientists  
<https://www.sws.org/>
- National Association of Marine Laboratories  
<http://www.naml.org/jobs/index.php>

## University Subject Jobs Boards

### Examples:

- University of Georgia, Warnell School of Forestry and Natural Resources - JObs Board  
<https://warnell.uga.edu/>
- Texas A&M Natural Resources Jobs Board - browse by job type  
<https://wfscjobs.tamu.edu/job-board/>
- Humboldt State University - Wildlife Jobs  
<https://twc-west.org/wp-content/uploads/2021/05/Wildlife-Careers-Websites.pdf>

## Subject Specific Websites

### Example

- Gulf of Mexico Research Initiative  
<https://gulfresearchinitiative.org/category/opportunities/>
- Ornithology Exchange  
<https://ornithologyexchange.org/jobs/board/>  
Volunteer, Short-term (seasonal), graduate positions, postdoc positions, academic positions, non-academic positions (full-time)
- Schmidt Marine - Ocean Jobs Board  
<https://jobs.schmidtmarine.org/jobs>

## General Wildlife/Ecology Websites

Examples:

- Conservation Jobs Board  
<https://www.conservationjobboard.com/category/wildlife-jobs>
- Cyber Sierra Natural Resources Jobs  
<http://www.cyber-sierra.com/nrjobs/>

## Company Websites

Examples:

- Ecological Associates, Inc.  
<https://www.ecological-associates.com/>
- Tetra Tech  
<https://www.tetratech.com/>  
Mott McDonald  
<https://www.mottmac.com/careers#>

## International Jobs Boards

Examples:

- International Union for Conservation of Nature - IUCN Jobs Board  
<https://hrms.iucn.org/iresy/index.cfm?event=vac.showOpenList>
- United Nations Careers  
<https://uncareer.net/>

**\*Marci's Job Site** <http://pherkad.com/jobs.html>

**Species, geographical region, non-profit, government, academia, job type, subject, etc...**

# Listservs

## Listservs

*Jobs, Internships, Graduate Positions, discussions, publications, workshops, conferences, etc...*

### Ecology

ECOLOG-L

Hosted by Ecological Society of America (ES)

<https://www.esa.org/membership/ecolog/>

### Marine Mammals

MARMAM

<https://lists.uvic.ca/mailman/listinfo/marmam>

### Sea Turtle

CTURTLE

<https://accstr.ufl.edu/resources/cturtle/>

### World Forum for Acoustic Ecology

<https://www.wfae.net/contact.html>

### Ornithology

<https://si-listserv.si.edu/cgi-bin/wa?SUBED1=ORNITHOLOGY&A=1>

### Sharks and Cartilaginous Fish Discussion

<https://raven.utc.edu/SCRIPTS/WA.EXE?A0=SHARK-L>

### University of Washington School of Aquatic and Fishery Sciences

<http://mailman11.u.washington.edu/mailman/listinfo/safsjobs>