• About NOAA EPP MSI Cooperative Science Centers

• CREST Fellowship
  • Recruitment – Admissions to the CREST program
    • CREST Journey
    • iSDP - Individualized Student Development Plan
    • RCR – Responsible Research Conduct
    • CWCC – Center Wide Core Competency
    • NERTO – NOAA Experiential Research and Training Opportunity
    • Communication, Conferences Publications
    • Final Report/Project/Thesis
    • Recognizing your fellowship – Acknowledgement/affiliation
  • Exit and beyond (Job, graduate school)

• CSC Club
  • CREST Ted talk
  • CREST Socials,
  • CREST Affinity Group
  • CREST Student Seminar Series

• Other Opportunities and Fellowships
  • Lautenbacher Public Service Fellowship
  • Nancy Foster and Knauss Fellowship
  • Hollings and EPP USP Scholarship Program
  • Nautilus/Okeanos STEM Internships
National Oceanic and Atmospheric Administration - Cooperative Science Centers (2016-2021)

• NOAA established four Cooperative Science Centers through national competition and supported by NOAA’s Office of Education

• Educate, train and graduate a diverse NOAA enterprise future workforce

• Engage in inter-disciplinary STEM fields aligned with NOAA Mission Sciences

There are Four Centers with 31 University Members

- NOAA Center for Atmospheric Science and Meteorology (NCAS-M) – Howard University, DC
- NOAA Center for Coastal and Marine Ecosystems (CCME) – Florida A&M University, FL
- NOAA Living Marine Resources Cooperative Science Center – University of Maryland, Eastern Shore, MD
- NOAA Center for Earth System Sciences and Remote Sensing Technologies (CREST) The City College of CUNY, NY

(Source: NOAA CCME (Pitter, S., May, 2017))
CUNY – 10 colleges

Federal – USEPA, USACE, USGS, NASA, DoEd

Industries - IMSG, Northrop Grumman, ERT, Inc, SSAI, and several Federal Contractors

City – NYC DEP/DEC; OEM; Mayors office

City-Private – MTA, Con-Edison, Baker International/FEMA

Museums – American Museum of Natural History and NY Hall of Science, NY

NOAA Earth System Sciences and Remote Sensing Technologies Partners (2016-2021)
CREST Fellowship is different

A Holistic Training

• RESEARCH
• ACADEMIC
• PROFESSIONAL

Prepare you

• Future workforce, or
• Further studies
NOAA CREST : Journey At a Glance

ENTER TO WIN!

LoU iSDP RCR

Core Competency

Research Training

Internships

Conference, Publications

Assessment/Exit Surveys

EXIT
Understand the Letter of Understanding

Major Elements

- Academic Conduct, Integrity and Core Competency
- Follow academic requirements in your home institutions
- Reporting and communication
- Employment during NOAA-CREST fellowship
- Travel budget and procedure
- Participate in assessment, surveys & evaluations
- Waivers for social media and other media
- Fellowship award specifics
Steps to LoU

1. Review it with Cesar Ortiz and Georgina Fekete
2. Mentor-Mentee agreement signature
3. Center Director (or his Designee) Signs the document
4. Upload your LoU on the MIS
Professional Advancement and Career Engagement
iSDP a living document

CREATE A Road map

REPORT Your Success

COMMUNICATE Identify your Goals

ASSESS Your Benchmarks

EXECUTE Your Plans and Achieve your Goals

iSDP - Continuous process for Improvement

NOAA-CREST CENTER FOR EARTH SYSTEM SCIENCES AND REMOTE SENSING TECHNOLOGIES

Student E-Portfolio

Welcome, Adedjo Adeyeye

This e-portfolio system is designed for students and is a method for evaluating CESSRST supported student learning outcomes.

The e-portfolio is digital documentation (journaling) of your entire association with the CESSRST program, as you get trained to be workforce-ready in the NOAA mission related STEM workforce. The e-portfolio will help you keep your projects organized, and help assess your progress, learning standards and outcomes.

How to create and use your Portfolio:

• Please retain your username/password for this system for future access
• You can save each part of the portfolio and revisit/update the information at a later time
• All information will be saved once you enter the data
• If you need any technical support you may contact – noaacrest@gmail.com

The portfolio primarily consists of your:

• Individualized Student Development Plan (iSDP)
• NOAA Experiential Research and Training Opportunities (NERTO) Experience
• Core Competency training Outcomes
• NOAA Social Science Training and Integration
• Bi-annual Progress reports
• Research Publications
• Participation in surveys and:
• Final closeout report and par

Note, your portfolio will be accessible to your CESSRST Faculty advisor(s), NOAA mentor(s), NOAA co-mentor(s), CESSRST Evaluators and NOAA Program Managers.

Links:

Individualized Student Development Plan
NERTO Dashboard
6-month Progress Report
Center-Wide Core Competency
Research Journal Publicati
Conference Participation
CREST Seminar Attendanc
Exit Form

Useful Resources

How to apply for NOAA Undergraduate Scholarship Program (video)

For NERTO:

• Click here to learn about NERTO
• NERTO at a Glance
• SSIO Graduate Opportunities Mentor Instructions

Mapping & tracking your career goals || Reporting, Assessment/Evaluation
CREST Fellowship mandates RCR

Responsible Conduct of Research (RCR)

RCR covers core norms, principles, regulations, and rules governing the practice of research.
1. Technical Core Competency
2. Professional Development
3. Social Science (Human Dimensions)

http://crest.cuny.edu/moodle/

Online – take it at your own pace and before you graduate
Take the quiz/survey
45 hours of certification
Why Core Competency

Attain skillsets for diverse careers

Workforce Ready!

YOU GOT THE JOB!
Foster a Mentor-Mentee Relationship
One Advisor - Multiple Mentors

- Program Advisors
- Faculty Advisor
- CREST Faculty
- Peer Mentors
- NOAA mentor
- Social Science Mentor
- Academic Advisor
- Department/University

Source: CREST Education

Source: wecommunities.org
NERTO – A Graduate NOAA Internship

12 week Internship in a NOAA Facility

NERTO report in 2 weeks after the internship

Upload the report on MIS and email to NOAA EPP

Complete NERTO Survey on the MIS

I.S.D.P. Verified
All students must have an Independent Student Development Plan in place before applying for the NERTO

STEP 01
Mentor provides Project Synopsis
The NOAA mentor develops a synopsis of the research and training opportunity

STEP 02
S.S.I.O. Posted
The NOAA mentor creates a Student Scholarship Internship Opportunity announcement which is reviewed and approved by NOAA EPP Program office and shared with the CSCs

STEP 03
Student Responds to S.S.I.O. Posting
CSC Assistant Director communicates that approved S.S.I.O. posted. Student develops a 12-week plan that needs approval from the Center, their faculty advisor and NOAA

STEP 04
Student to NOAA Site
Student receives Award Letter from NOAA mentor and begins security and badging processes. Upon approval, student reports to NOAA facility to begin their research and training

STEP 05
NERTO Purpose & Need

• Under this new Cooperative agreement there is a requirement that each CSC funded graduate student must complete a NOAA internship for a minimum of 12 weeks up to a year in collaboration between academic advisor and NOAA mentor at a NOAA facility.

• NERTO – NOAA Experiential Research and Training Opportunity

• NERTO - provides opportunities for CSC collaboration with NOAA to create a pool of candidate eligible for the NOAA Enterprise future workforce.
**NERTO Benefits**

- Provide value to both the NOAA host offices and the EPP/MSI Cooperative Science Center-supported students

- Requires a minimum 12-weeks and up to one year of real-world NOAA experience to students at a NOAA facility through NOAA/EPP/MSI funding

- Provide professional development, gain new skillsets, and produce research publication(s) from NERTO projects

- Allows for an objective look at potential candidate(s) for future NOAA mission enterprise workforce
NERTO Benefits

• NERTO begins with establishing a relationship between university faculty advisors and NOAA scientists

• CSC supported graduate students, faculty advisor and NOAA mentor identify/design NERTO research project

• This NERTO project could an opportunity of professional development and also become a part of the students research thesis

• A minimum of 12-week NERTO Internship Plan and internship start and end date are collaboratively developed, established, and shared with the **EPP/MSI Program Office**
Communication! Comunicación!!

- Communication, Conferences Publications
- Final Report/Project/Thesis
- Recognizing your fellowship – Acknowledgement/affiliation
- Exit and beyond (Job, graduate school)

Upload all your information promptly on the MIS system.
Students Yearly Calendar of Events

- Jan-Feb: Fellowship Renewal
  - iSDP Seminar CWCC Research
- Mar-Apr: REPORT
- May-Jun: Fellowship Renewal
  - NERTO Summer Internships
  - iSDP
- Jul-Aug: REPORT
- Sep-Oct: Fellowship Renewal
  - iSDP Seminar CWCC Research
- Nov-Dec: REPORT
  - iSDP Seminar CWCC Research
Branding, Affiliation: A NOAA-CREST Scholar, funded by NOAA

Jane Doe
NOAA CREST Fellow and Doctoral Student
Civil Engineering Department
The City College of New York, NY
212.650.xxxx | xxx@ccny.cuny.edu | www.noaacrest.org

Conference, publication, reports:

ACKNOWLEDGEMENTS:
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Building a Student Community

CREST Professional Club (possible ideas/thoughts)
  CREST TED talk
  CREST Socials and Affinity Group
  CREST Homecoming Alumni Social Event (CHASE)
  CREST STSS - Student Technical Seminar Series
  CREST Student Corner (Blog) www.noaacrest.org
Attend CREST Town Halls once a Semester

- A chance to:
  - Socialize with fellow students in an informal environment
  - Check in with the Center’s staff about how you are doing
Other Opportunities – CREST as your Gateway

• Other Opportunities and Fellowships
  • Lautenbacher Public Service Fellowship (2019 Applications are open)
  • Nancy Foster and Knauss Fellowship (NOAA Fellowship)
  • Hollings and EPP USP Scholarship Program (NOAA Fellowship)
  • Nautilus/Okeanos STEM Internships (Field Campaign-Expedition)
COASTS, OCEANS, PORTS, AND RIVERS INSTITUTE

Created in 2000, the Coasts, Oceans, Ports, and Rivers Institute (COPRI) is a semi-autonomous Institute of the American Society of Civil Engineers (ASCE), the country's oldest national engineering society. COPRI's services are designed to complement ASCE's traditional civil engineering base, and attract non-engineering allied professionals who seek to enhance their professional and technical development.

JOIN COPRI

Find out which membership type is right for you.

VISION

COPRI serves as a multidisciplinary and international leader in improving knowledge, education, development and the practice of civil engineering and other disciplines in the sustainable management of coastal, ocean, port, waterways, rivers, and wetlands resources for the benefit of society.

MISSION

COPRI serves its membership and society by uniting the disciplines working to sustainably develop, protect and restore coasts, oceans, ports, waterways, rivers, and wetlands; integrating the key stakeholders into decision-making processes; advancing technological state of art and practice; and influencing public policy.

CONTACT US

If you have any questions about COPRI or want to become involved in any of our activities, please contact us at copri@asce.org or contact our staff at:
Are you attending AMS in January 2019

Smoke, Ash, Ice, and Hurricanes
OH MY!

Learn About NATURE'S FORCE and HOW to predict impacts using satellites

Applying JPSS Data Products to Better Forecast Challenging Weather Events

Short Course
January 6, 2018
Room North 222C
8am – 3:30pm

Sign up today
99th AMS Annual Meeting, Phoenix Convention Center, Phoenix, AZ

https://annual.ametsoc.org/index.cfm/2019/registration/
If you are a Sophomore ...become the next NOAA HOLLINGS Scholar...!

Ernest F. Hollings Undergraduate Scholarship The 2019 application is now open- deadline January 31, 2019

For more details visit: https://www.noaa.gov/office-education/hollings-scholarship
If you are a Sophomore with 3.2 and above GPA

If you are attending one of the Minority Serving Institutions

Then you can apply for NOAA Undergraduate Scholarship Program

https://oedwebapps.iso.noaa.gov/uspa/

Deadline January 31, 2018
Another opportunity to sail on a NOAA Ship..

Nikola Rodriguez – 2017 NOAA USP intern says..
So, how did I get on the Okeanos Explorer as a NOAA intern?
I'm an undergrad from the University of Hawai'i at Hilo pursuing a B.S. in Marine Science with a minor in Chemistry, and she was one of eight recipients of the NOAA Educational Partnership Program (EPP) Scholarship.

Read More: 
https://oceanexplorer.noaa.gov/okeanos/explorations/ex1706/logs/aug1/welcome.html
CREST Partner Institution PIs

Hampton University

Dr. Pat McCormick

U. of MD Baltimore County

Dr. Ruben Delgado

U. of Texas at El Paso

Dr. Miguel Velez-Reyes

U. of Puerto Rico at Mayaguez

Dr. Rafael Rodriguez Solis

San Diego State University

Dr. Walter Oechel
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