MATE Internship Program Update

RVTEC Meeting, Woods Hole, MA, Oct 15, 2018

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Marine Advanced Technology Education (MATE) Center
Internship Program Overview

- Started with a NSF/UNOLS grant in 1999 to fill need for marine technicians.

- Since 1999, 300+ community college and university students have been placed in research vessels, labs and industry settings (200+ were placed on UNOLS vessels).

- Present funding till 2021

- NSF Grant 3-4 year funding cycle:
  - Host 12-15 interns in 2-16 week internships each summer; support to lengthen internships beyond one research cruise at each site.
  - Host 1 six-month intern on 1-2 host vessels each year.
What the community gains

**Mentors/Hosts:**
- An extra pair of hands - almost free!
- Direct involvement in training the next generation of marine technicians
- A sneak preview of the best graduates from marine technology programs for hiring!

**Interns:**
- Job experience essential for employment – often the most important step
- Better understand the diversity of ocean careers
- Experience with cutting-edge technologies that are not available at their institutions
Intern selection process

- Interns’ interests, knowledge, and skills are carefully matched to mentor requirements
  - Summer internships - Mentor receives the 3-5 resumes that best match their needs
  - LT internship - Alice Doyle at UNOLS and Nandita at MATE review applicants and determine top 10-12 finalists
  - Mentor(s) are encouraged to interview candidates
  - Mentor makes final decision on which student(s) they host
  - MATE Coordinator checks references, makes offer, takes care of paperwork and travel logistics

- Preference (except for six-month internship) given to technical community college students and marine technology undergraduate students
2018 Internships

- 1 long-term intern: Emily Shimada with WHOI and Scripps/STARC
- 10 other interns were placed on UNOLS/USCG/NOAA vessels: Sharp (1), Healy (2), Atlantis (2), Atlantic Explorer (4), Neil Armstrong (1), Pisces (1)
- 5 women, 6 men
- 2 from community colleges
2018 Interns getting hired

- Royhon Agostine – Intern on USCGC Healy
  - Research Technician at Scripps Institution of Oceanography
- Charles Brooks – Intern on R/V Sharp
  - Research Technician at Scripps Institution of Oceanography
- AND??
2018 Happenings

- Preliminary results from survey of intern alumni till 2016
- 75 responses from approximately 230 contacted
New Internship Coordinator

- **Ms. Deidre Sullivan**
  - Director of MATE Center and faculty at MPC
  - Marine Geologist with over a year of sea time that includes time on the Pt Sur.
  - Mapped Marine Protected Areas off California in the 1990s.
  - A graduate of UCSB, MLML and OSU
  - Avid Scuba Diver and Instructor
  - Inducted into the Women Diver's Hall of Fame in 2014
  - Former World Record Holder in Underwater Tricycling
What is happening in 2019?

- LT internship – 6 mths starting Spring 2019

- 2019 summer internships – 2-16 weeks, May-Dec 2019

- Visiting community colleges to discuss changing skill requirements

- KSGs & guidelines update

- Intern survey analysis
Some requests!

- Help to update the KSGs and internship guidelines
  www.marinetech.org/files/marine/files/Workforce/KSG.OITfinal.9.10.10lr.pdf

- Post-internship mentor surveys

- Commit to providing internship opportunities ASAP

- Use the internship to promote marine technical careers—you are great mentors and role models. THANK YOU!
For more information visit:
www.marinetech.org/internships

Or contact:
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2018 Long-Term Internship

Emily Shimada

4 ships, 6 months, 10 science cruises
Hi, I’m the Intern!

2018 California Maritime Academy Graduate
- Majored in Marine Engineering Technology and Marine Science
- 3rd Asst. Engineer’s License
- Over 200 days at sea prior to this internship

Previous work with USGS and various research centers at UCLA and Cambridge
Developing New Skills
Running Deck Operations
Troubleshooting and Fabrication
Documentation
Building a Community