



MASTERS OF OPERATIONAL OCEANOGRAPHY

A REVOLUTION IS UNDERWAY

Today's students will be challenged over their professional lifetimes to provide society with 60% more food, 55% more water and 80% more energy for a growing global population forecast to exceed 9 billion by 2050. In just 15-months, our students build the skills necessary to address this challenge and engage with technology and professionals. Our graduates leave the program ready for jobs in the energy sector, maritime industry, government agencies, research organizations, and non-profits.

OUR STUDENTS

- Take on and solve real world problems
- Gain experience collaborating with experts in the field
- Deploy cutting edge ocean technology
- Master marine data analytics and software programming

Learn more about how we can help you reach your career goals in marine technology at
rucool.marine.rutgers.edu

JOBS THAT MATTER

“ *The Master's in Operational Oceanography has given me the opportunity to pave my own path in my career...and apply the skills I gained in the program!*

-Julia Engdahl



Julia Engdahl, '21
Oceanographic Data Specialist,
NOAA



Ted Thompson, '21
Data Analyst,
US Geological Survey



Ailey Sheehan, '21
Research Assistant,
Haskin Shellfish Lab



Joseph Anaruma, '21
Environmental Analyst,
Sage Services



RUTGERS
 Center for Ocean
 Observing Leadership

Rutgers Masters of Operational Oceanography

At the Rutgers University's Center for Ocean Observation Leadership we are technology innovators. We were the first to send an unmanned robot across the Atlantic Ocean, the first to establish a remote sensing, high frequency radar network along the coast, and are at the cutting edge of hurricane and ocean monitoring. Our students benefit from joining one of the worlds most advanced and longest operating ocean observatories.

GAIN MARKETABLE SKILLS IN 15 MONTHS

A combination of hands-on experience, research, and targeted coursework, empowers our students to tackle real world challenges and provides them with an edge over other candidates in the job market. Kicking off with an immersive ocean observing summer experience, students continue through two semesters of coursework and research, culminating with an applied thesis submission and defense in the second summer. Each semester includes three (3-credit) courses that cover a wide range of ocean observing technologies and include both lecture and hands-on laboratory components. Students also develop thesis projects with a faculty mentor through independent research courses (3-credits) during each semester.

OUR PROGRAM

We meet the needs of marine employers by instilling our students with:

- marine science expertise
- collaborative skills
- observing system technology experience
- data literacy
- ocean modeling literacy
- communication skills, and
- job preparation



RUTGERS

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SOLVE REAL WORLD PROBLEMS

Our core research areas include:



**HURRICANE
SCIENCE**



**OFFSHORE
WIND**



**OCEAN
ACIDIFICATION**



**POLAR
SCIENCE**



**INTEGRATING
OCEAN
TECHNOLOGY**

Applications received by January 1 receive full consideration. For information about applying to Rutgers graduate school see this page: <http://gradstudy.rutgers.edu/>. This program is a track within the Oceanography (MS) degree in the School of Graduate Studies,

For more information about the Masters of Operational Oceanography, please contact Travis Miles (tnmiles@marine.rutgers.edu) and Carrie Ferraro (ferraro@marine.rutgers.edu)