OCEAN ENGINEERING

About the Program

The University of Miami has a long history in Ocean Engineering. The University of Miami's College of Engineering together with the Rosenstiel School of Marine and Atmospheric Science offered a Master of Science degree in Ocean Engineering. The program and others of its kind in the nation, were popular in the 1970s and 1980s.

In the past decade, several major incidents – the 2010 Deep Water oil spill in the Gulf of Mexico, a series of devastating hurricanes in 2003-2005 and 2017, and the Japan Tsunami have turned our collective attention to the vulnerability of the nation's coastal infrastructure. Furthermore there have been significant demands for an increased emphasis on port and harbor security since September 11, 2001. These events have led to a renewed interest in the field of Ocean Engineering, albeit with a new focus and broader scope. Our program offers an MS degree for students not interested in a research based education but rather a practical skills-based training in real world applications of engineering theory.

Ocean Engineering

Ocean Engineering concentrates on problems associated with human interaction with the ocean.

- The ocean engineer combines competence as an engineer with both a practical experience in and theoretical understanding of the ocean.
- The Ocean Engineering program, offered jointly with the Rosenstiel School of Marine and Atmospheric Science, is intended to lay the foundation of this competence, experience and understanding.
- The areas of faculty specialization in this program include coastal engineering, off-shore engineering, structures, turbulence, computer modeling of fluids, acoustics, remote sensing and maritime security.
- Tracks offered in the program include Coastal Engineering and Remote Sensing

Additional Information

For additional information on this program, including curriculum requirements, please visit: https://cae.coe.miami.edu/programs/graduate/ms-in-ocean-engineering/index.html (https://cae.coe.miami.edu/programs/graduate/ms-in-ocean-engineering/)

M.S. In Ocean Engineering (https://bulletin.miami.edu/graduate-academic-programs/engineering/ocean-engineering/ocean-engineering-ms/)