

# MIT Engineering Majors Guide

## Ocean Engineering (Course 13)

### Skill Set

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- Develop complex engineering systems for operations in the ocean
- Conceive, initiate, and direct complex engineering projects
- Analyze and design of deep water ports
- Plan new uses of waterways
- Discover, product and deliver offshore petroleum resources
- Develop new methods to protect marine wildlife and coastal regions

### Industry Occupations

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Ship Design & Building	Marine Systems	Coastal Engineering
Environmental Engineering	Nuclear Waste Disposal	Shipping and Transportation
Design and Marine Robotics	Thermal Energy Conversion	Structures and Structure Dynamics
Acoustics	Hydrodynamics	Offshore Oil Exploration
Naval Architecture	Ocean Technology	

For in-depth information on Ocean Engineering visit <http://www.careerplanit.com/resource/profile.asp> or to explore other careers, peruse the Occupational Outlook Handbook <http://stats.bls.gov:80/ocohome.htm>

### Careers of Ocean Engineering Alumni

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- Batelle, Engineer
- United States Navy, Commander Operational Test and Evaluation Force
- Exxon, Senior Engineering Specialist
- Bechtel National Inc, Manager of Operations
- NTSB, Naval Architect
- Solar Turbines Intl, Applications Engineer
- Disney World, Engineer
- Draper Laboratory, Technical Engineer

To contact alumni in your area of interest, check out the ICAN network at <http://web.mit.edu/alum/career/ican/>

### Internships

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#### Programs at MIT

Undergraduate Practice Opportunities Program <http://web.mit.edu/engineering/upop/>

#### Jobs and Internships During and After MIT\

Monstertrak - On Campus Recruiting <http://www.monstertrak.com>

## **Companies who recruit Ocean Engineers**

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Disney World	Battelle	Maritech Communications Corp
Tidewater Naval Architects	John J. McMullen Associates	American Bureau of Shipping
Northrop Grumman	United States Navy	CDI Marine Company
Bath Iron Works Corp.	Gibbs & Cox, Inc.	Nichols Advanced Marine, Inc.
3M Corporation	George G. Sharp, Inc.	Newport News Shipbuilding
Litton PRC	Electric Boat	Woods Hole Group

## **Career and Job Search Internet Resources**

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- American Bureau of Shipping (ABS) <http://www.eagle.org/>
- American Society of Naval Engineers (ASNE) <http://www.navalengineers.org/>
- ASNE Links to Naval Engineering Info <http://www.navalengineers.org/About/Links.html>
- Marine and Oceanographic Technology Network (listing of companies) <http://www.motn.org>
- Michigan Dept. of Naval Architecture and Marine Engineering website list of employer links [http://www.engin.umich.edu/dept/name/news/jobs/current\\_recruiting.html](http://www.engin.umich.edu/dept/name/news/jobs/current_recruiting.html)
- National Shipbuilding Research Program <http://www.nsrp.org>
- Ocean, Offshore and Arctic Engineering (OOAE) Division of ASME <http://www.ooae.org/>
- Sea Jobs <http://www.seajobs.com>

## **Salary Information**

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MIT Salary Survey <http://web.mit.edu/career/www/salary.html>

## **Professional Associations**

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- Society of Naval Architects and Marine Engineers (SNAME) <http://www.sname.org/>
- Marine and Oceanographic Technology Network <http://www.motn.org>
- Marine Technology Society <http://www.mtsociety.org>
- MIT Ocean Engineering Students Association <http://web.mit.edu/13seas/www/index.html>

## **Departmental Homepage**

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MIT Department of Ocean Engineering <http://oe.mit.edu/>

## **Next Steps**

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**E**xplore other career engineering majors guides located at <http://web.mit.edu/career/www/Engineering/guides.htm>.

**N**etwork with current students, alumni /nae in your area of interest.

**V**isit the MIT Careers Office to schedule an appointment with a counselor in the School of Engineering to discuss career choices.