

# OCEAN ENGINEERING: OCEAN MAPPING (M.S.)

<http://ccom.unh.edu/ms-ocean-engineering>

## Description

### Ocean Mapping Option

This option is offered in conjunction with the Joint Hydrographic Center/Center for Coastal and Ocean Mapping. Students follow a more structured path through this program, which incorporates all aspects of hydrography as required by the International Hydrographic Organization (IHO).

## Requirements

### Core Courses

|                    |   |   |
|--------------------|---|---|
| OE 990<br>& OE 991 | Ocean Seminars I<br>and Ocean Seminars II | 2 |
| OE 810             | Ocean Measurements Laboratory             | 4 |
| OE 865             | Underwater Acoustics                      | 3 |
| OE 871             | Geodesy and Positioning for Ocean Mapping | 4 |
| OE 874             | Integrated Seabed Mapping Systems         | 4 |
| OE 875             | Fundamentals of Ocean Mapping II          | 4 |
| OE 972             | Hydrographic Field Course                 | 4 |

**Select at least four additional approved credits including one of the 12-16 following electives:**

|          |                                       |
|----------|---------------------------------------|
| OE 854   | Ocean Waves and Tides                 |
| OE 857   | Coastal Engineering and Processes     |
| OE 895   | Special Topics                        |
| ESCI 858 | Introduction to Physical Oceanography |

### Complete a master's thesis for 6 credits

|               |                 |       |
|---------------|-----------------|-------|
| OE 899        | Master's Thesis | 6     |
| Total Credits |                 | 43-47 |

Students may fulfill the Category A (professional) International Federation of Surveyors/International Hydrographic Organization/International Cartographic Association (FIG/IHO) Standards of Competence for Hydrographic Surveyors by completing, in addition to the core courses, some additional specialized requirements. For more information, please visit the Center for Coastal and Ocean Mapping website. (<http://ccom.unh.edu>)