

# OCEANOGRAPHY (MS)

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The M.S. provides specialized, in-depth knowledge and research/technical skills in the field of oceanography, and prepares graduates for a career in research or advanced positions, or serves as a steppingstone to a Ph.D. program. M.S. graduates engage in research careers, include non-governmental organizations, state and federal agencies, secondary and postsecondary educational institutions, and environmental consulting firms. The Master's degree is offered as a research-oriented Plan A (thesis) program, and as a course-based Plan B program. The Plan B program includes an accelerated (4+1) program for UConn undergraduates majoring in Marine Sciences. The curriculum for the Plan B master's degree includes coursework in biological, chemical, physical and geological oceanography and an examination in the final year.

## Location

- Avery Point Campus

## Modality

- In Person

## Requirements

### Master of Science Plan A

Requires 21 credits of advanced coursework, including at least 12 credits of graduate MARN coursework, nine GRAD 5950 Master's Thesis Research credits, and completion of a research project, the results of which are reported in a thesis.

### Master of Science Plan B

Requires 30 credits of advanced coursework, including at least 12 credits of graduate MARN coursework, and a final examination. No research project is required.

Although students decide on their coursework in consultation with their major advisor based on their academic background and research goals, the coursework is typically built around a two-tiered structure: four courses designed to provide a core understanding of the basic sub-disciplines of the field of oceanography, followed by a series of more specialized courses offered to meet the individual needs of the student.

Course	Title	Credits
MARN 5010	Biological Oceanography	3
MARN 5030	Chemical Oceanography	3
MARN 5050	Geological Oceanography	3
MARN 5065	Physical Oceanography	3

## Learning Objectives

1. Demonstrate appropriate breadth and depth of oceanographic knowledge, including major topics such as physical, chemical, biological, and geological oceanography, as well as key theories and current challenges of the field.
2. Adapt or apply established methods and best practices in oceanography ethically and professionally to analyze data and interpret results.
3. Communicate proficiently and effectively to a scientific or non-scientific audience, verbally and in writing, presenting a coherent argument or explanation summarizing aspects of the discipline.