

# Marine Sciences Concentration

Supporting Department: [Marine Sciences](#)  
([College of Liberal Arts & Sciences](#))

## Concentration objectives:

The objectives of this concentration are to provide students with the fundamentals of biological, chemical, geological and physical oceanographic processes. Through lectures, laboratories and at-sea studies the student will be lead to an understanding and appreciation of the multidisciplinary character of marine science, an interdisciplinary approach to problem formulation and problem solving, and the importance of the ocean in the modulation and enhancement of the earth's environment. The curriculum is designed to educate students in the problem solving tools of data analysis, critical thinking and communication of ideas as related to oceanographic science.

*NOTE: Students interested in the Marine Sciences concentration should consider pursuing an Oceanography Minor. Typically completion of the minor will consist of three additional courses beyond the ENVS/Marine Sciences concentration requirements. Contact the concentration advisor, Dr. Julie Granger ([Julie.granger@uconn.edu](mailto:Julie.granger@uconn.edu)) for more information.*

## Marine Sciences concentration required course work:

Students are required to complete five courses (fifteen credits) from the following list, with at least one course from each group:

### Group A:

MARN 3014/EEB 3230	Marine Biology	Fall - Storrs, Spring alternate years, even- Avery Point
MARN 3015	Molecular Approaches to Biological Oceanography	Fall alternate years, odd
MARN 3016 /MCB 3636	Marine Microbiology	Fall – Avery Point, Spring - Storrs
MARN 3017	Plankton Ecology	Fall alternate years, even
MARN 4010	Biological Oceanography	Spring

### GROUP B

MARN 3003Q	Environmental Reaction and Transport	Spring
MARN 3030	Coastal Pollution and Bioremediation	Fall alternate years, odd
MARN 4030W	Marine Biogeochemistry	Fall
MARN 4050	Geological Oceanography	Spring

### GROUP C

MARN 3060	Coastal Circulation & Sediment Transport	Spring alternate years, even)
MARN 3061	Environmental Fluid Dynamics	Fall alternate years, odd)
MARN 4060	Descriptive Physical Oceanography	Fall

**\*\* All courses are offered at the Avery Point Campus unless otherwise noted.**