

INTO THE OCEAN
WENT A WORLD
MORE FANTASTIC
THAN ANY
IMAGINATION
COULD INSPIRE.

- *Wyland*



ABOUT OCEAN SCIENCES

Ocean sciences, or oceanography, is a field that encompasses the study of the global marine environment from broad geographic and disciplinary perspectives.

It essentially looks at the interaction between marine life and oceanic processes, covering such diverse topics as coastal and deep-sea food webs, marine animal ecology, physiology and behaviour, plankton dynamics, the effects of pollution or climate change on ocean life and ecosystems, the management

and conservation of aquatic resources, and much more.

DEGREES OFFERED

Apart from graduate programs (M.Sc. and Ph.D. in Marine Biology), the Department of Ocean Sciences offers the following undergraduate programs:

- B.Sc. major or honours in ocean sciences
- B.Sc. major in ocean sciences (environmental systems)
- B.Sc. major or honours in marine biology (administered by the departments of Ocean Sciences and Biology)

Ocean sciences is an interdisciplinary program requiring a broad introductory coursework to prepare students for advanced courses in a diversity of disciplines. The second year of the major typically builds on the science foundation, while exposing students to a widening variety of ocean-related subjects. The program can be customized to personal interests and career goals in the third and fourth years.

Minors in oceanography and in sustainable aquaculture and fisheries ecology are available.

OCEAN SCIENCES AT MEMORIAL

The Department of Ocean Sciences is housed at the Ocean Sciences Centre (OSC) in Logy Bay, approximately 10 km (15 min) from the St. John's campus of Memorial University. The OSC is one of Canada's largest marine laboratories and it is uniquely situated for shore-based studies of cold-ocean processes and subarctic, Arctic and deep-sea

organisms. The department offers graduate and undergraduate programs, as well as hands-on field and laboratory research experience through part-time and summer research positions.

CAREERS

Job opportunities and career perspectives for students with training in ocean sciences are extremely varied and rewarding. Trainees and graduates may obtain technical or research positions in fields such as:

- Marine biology
- Oceanography
- Aquaculture and fisheries
- Environment/wildlife management

They may also work as a:

- Science teacher
- Scientific scuba diver
- Fisheries officer
- Nature interpreter
- Aquarium curator
- Environmental analyst/consultant

FOR MORE INFORMATION

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