

# UNDERGRADUATE PROGRAMS



# OCEAN SCIENCES





# DISCOVER OCEAN SCIENCES

## UNDERGRADUATE PROGRAMS IN OCEANOGRAPHY, AQUACULTURE AND FISHERIES, AND MARINE BIOLOGY

The field of **OCEAN SCIENCES**, or **OCEANOGRAPHY**, relates to the study of the global marine environment from broad geographic and disciplinary perspectives. It 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.

### The following programs are offered:

#### **BSc with Major in Ocean Sciences / Honours in Ocean Sciences**

An interdisciplinary program administered by the Department of Ocean Sciences, providing a solid foundation in ocean studies, with an emphasis on the basic principles of chemical and biological oceanography.

#### **BSc with Major in Ocean Sciences (Environmental Systems)**

A stream of the above that provides a stronger geological and geographical context to biological and chemical phenomena in ocean sciences. It also covers such key ocean-related topics as climate change and natural hazards.

#### **BSc with Joint Major in Marine Biology**

Jointly administered by the Departments of Ocean Sciences and Biology, this program develops the knowledge of marine organisms at various scales, from cellular and behavioural aspects all the way to species interactions within ecosystems.

#### **BSc with Minor in Oceanography**

#### **BSc with Minor in Sustainable Aquaculture & Fisheries Ecology**

### For further information regarding these programs:

**Department of Ocean Sciences**  
**Memorial University**  
**St. John's, NL**  
**Canada A1C 5S7**

Tel.: (709) 864-2459

Fax: (709) 864-3220

Email: [ocean@mun.ca](mailto:ocean@mun.ca)

 [Ocean Sciences, Memorial University](#)

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