

Ocean Science and Technology (OST)

Program Overview

The Ocean Science and Technology is an integrative program offered by the Department of Ocean Science, which aims to provide students with a comprehensive foundational understanding of the cross-disciplinary ocean science and technology, and to provide first-hand exposure to the latest scientific and technological development related to investigating, conserving and managing ocean resources. General areas covered include the foundational (e.g. biological, chemical and physical processes and ecosystem functions), technological (e.g. instrumentation, data management, pollution tracking), applied (e.g. marine biotechnology and pollution bioremediation) and socioeconomic (e.g. conservation and fisheries) aspects of ocean science.

A major emphasis of this curriculum is the provision of practicum experience, experiential learning, study trips and overseas attachment to enhance students' academic, career and personal development. Ultimately, the goal of the program is to equip the students with the skillsets and attributes that are needed to serve the society by becoming educators, ocean scientists and technologists, and other professionals in environment-related sectors, both locally and internationally.

Career Prospects

Hong Kong is a coastal city with rich and diverse marine resources because of its unique geographical location in the biologically diverse Western Indo-Pacific region. The demand for talents and professionals in the public, NGOs and private sectors is higher than ever due to the need for environmental impact assessment for future coastal infrastructure projects and the burgeoning business of ecotourism. Graduates of Ocean Science and Technology program are competitive in higher studies and job market, while they will be well equipped to work in environmental consultancies, maritime industries, local environmental NGOs, and government agencies.