**Undergraduate Studies at the Faculty of Marine Sciences**

Graduates of the Faculty of Marine Sciences will be proficient in all aspects of biology, in particular marine biology, including:

Theoretical knowledge

* Ecology and biological conservation
* Biochemistry and molecular biology
* Molecular and population genetics
* Bioinformatics and experimental genomics

Laboratory skills

During the three years of undergraduate studies, students gain:

* Broad experience in laboratory work including basic chemistry, microbiology, molecular biology, and practical genomics
* Experience in conducting independent research programs that combine theory and experimentation
* Competence in analyzing large data sets and performing deep statistical analyses
* Training in creative thinking, skills, and a set of tools for designing research programs
* The ability to read, analyze and write scientific publications

Oceanographic skills

Graduates gain vast theoretical and practical maritime experience:

* They earn skipper licenses for yachts of various sizes
* They become professionally certified for scientific diving
* They learn about, help establish, and perform research at underwater experimental stations located at various depths

Continuing education

Graduates have the necessary background that qualifies them to:

* Continue their studies towards MSc degrees or direct tracks for PhD studies in top institutes of higher education in Israel and abroad
* Continue their studies towards advanced medical, pharmaceutical, or veterinary degrees
* Enter diverse positions in the job market, in any enterprise that deals with marine agriculture and industry, inland freshwater ecology and environmental impacts on it, the pharmaceutical industry, and professional laboratories.

**MSc Studies in Marine Sciences at the Faculty of Marine Sciences**

Graduates have advanced knowledge and laboratory skills in biology, ecology, genetics and molecular biology. They can conduct independent research in all aspects of marine sciences and complete a research thesis. Graduates of our MSc program are qualified for continuing their studies and research towards a PhD program in any research institute of high standing in Israel and abroad. Graduates are highly qualified for diverse employment positions in enterprises that deal with marine agriculture and industry, inland fresh water ecology and environmental impacts, the pharmaceutical industry, and professional laboratories.