AQUACULTURE
Aquaculture involves studying the underlying reproductive physiology and developmental biology of early life cycle strategies used by aquatic animal species. This knowledge is examined for its use in the husbandry, breeding and sustainable production of species in aquaculture.

You will be able to understand and apply your knowledge of marine ecology, marine biosecurity and legislation relating to sustainable aquaculture. You will understand the key principles and practices in the aquaculture of fish, invertebrates, and algae.

You will also be able to identify opportunities, issues, and solutions relevant to the New Zealand aquaculture industry and "Blue Economy", including the need to create diverse aquaculture projects that are both profitable and ecologically sustainable.

ENTRY REQUIREMENTS
All students with University Entrance can enrol directly into year 1 of the Aquaculture major. We also offer a pathway into year 3 of the programme for students who have completed the NZ Diploma in Environmental Management (Level 6) at Toi Ohomai Institute of Technology.

CAREER OPPORTUNITIES
In an industry full of opportunity with jobs set to double over the next 15 years, students can expect to find employment in a range of primary industries. Future employers include the aquaculture and marine bioproduct industry (such as AgriSea NZ), local and national government bodies (such as Ministry for Primary Industries and Regional Councils), and Crown Research Institutes (such as NIWA, AgResearch and Plant & Food Research).
FACILITIES

Studying at the new CBD campus in Tauranga, you will work alongside, and learn from, well-respected researchers, industry professionals and academics. You will have access to state-of-the-art laboratories using the most up-to-date equipment and software. You will experience hands-on learning with regular field trips both locally and throughout the North Island where you will build valuable industry connections.

FUTURE OPPORTUNITIES

Postgraduate opportunities in Aquaculture abound. Masters and PhD students have access to cutting-edge facilities at the University’s Coastal Marine Field Station and new 1000sqm Facility for Aquaculture Research of Macroalgae - both major centres of marine research excellence based in Tauranga’s marine precinct at Sulphur Point.