



A Seafood Career for Me:
ALife Fact Sheet No. 6

Uni Courses and Contacts

Seafood Related University Courses Offered by Seafood CRC Participants



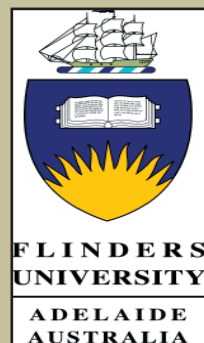
University of Tasmania

Bachelor of Aquaculture

This course aims to provide you with a broad scientific background in aquatic biology and specific orientation towards a career path in aquaculture. It will develop your ability to communicate, both within and outside the scientific community, and to learn independently.

The combined approach of broad-based aquatic biology with a comprehensive strand of specialist aquaculture subjects ensures you are highly employable throughout the aquaculture industry or in applied aquatic biology. Recent graduate surveys demonstrate 90% are either employed in this or related industries or are undertaking higher studies in aquaculture. Possible career paths include work in farming as an owner, manager or technician; or as a research assistant in aquaculture or applied aquatic biology, in university or government departments, or proceeding to higher qualifications to become a research scientist or consultant .

For more information please visit www.utas.edu.au



Flinders University

Bachelor of Technology (Aquaculture)

This course focuses on combining a strong background in the natural sciences with an understanding of health and safety issues, practical and management issues, and business and communication skills.

One period of work experience at commercial aquaculture ventures helps to reinforce the information learned in lectures and practical sessions. Much of the practical work is carried out in the purpose-built aquarium systems at Flinders.

The course was established to provide you with the right combination of skills needed to be a part of the next phase of aquaculture's growth or to make an important contribution to aquatic resource management through a variety of career paths.

You will also have access to sophisticated aquaculture facilities on campus, including 6 specially designed indoor laboratories that enable the culture of algae, zoo-plankton, fish, crustacean and mollusc at controlled temperature and light levels; and more than 100 aquaria are fitted with recirculating systems and 18 10,000-litre outdoor tanks are available to strengthen your practical skills.

For more information please visit www.flinders.edu.au



AUSTRALIAN
SEAFOOD
COOPERATIVE
RESEARCH CENTRE



Curtin University of Technology
Bachelor of Science

Food Science and Technology

The food industry is the largest industry in the world and needs highly trained professionals in food science and technology to ensure the supply, quality and safety of food. The study of food science and technology involves the application of basic science and the latest developments in the handling, processing and packaging of foods from the farm to the consumer's plate. Food scientists determine the quality and properties of foods including the nutritive value, flavour, palatability, colour, texture and storage life using sensory, chemistry and microbiological techniques. Food scientists apply their knowledge of food science to operate, design and manage the facilities and equipment involved in the processing and storage of foods. Food scientists are responsible for the research and development of new food products and new technologies in the processing of foods. In addition, the School has strong local industry links which help to ensure graduates have extensive hands-on experience in the working life of a food scientist.

Bachelor of Agribusiness

This course offers majors in Aquaculture, Farm Management, and Agribusiness Marketing. It develops knowledge and skills in management, technical production and marketing applied to activities in agribusiness, including production units such as aquaculture and in firms servicing primary producers and their products. The focus is on developing skills in the management and optimisation of systems to achieve profitable and sustainable outcomes. The course takes a holistic view of agribusiness, developing an understanding of linkages between consumers and the production, processing and distribution systems management associated with these industries. You will develop professional attributes sought by employers such as the ability to understand, apply and communicate key principles, to think analytically and creatively and also encompasses teamwork and self-directed learning skills. Professional development is enhanced during a period of 12 to 16 weeks in professional practice spent in an agribusiness organisation in Australia or overseas.

For more information please visit www.curtin.edu.au



University of Adelaide
Bachelor of Science

Marine Biology

In this Degree you will study all about the largest and most diverse ecosystem on the planet - the sea. It is strange that our planet is named 'Earth' when most of it is 'sea', and stranger that many graduates train in tropical seas when the bulk of jobs are in temperate (antarctic to sub-tropical) seas. Most of Australia's population lives on temperate coasts and for this reason this course prepares graduates for work on these coasts by demonstrating the problems and needs facing marine industry and conservation. The program provides access to staff with national and international acclaim for research excellence, with a strong emphasis on giving students field experience. You will use the same equipment that is pioneering research across the northern and southern hemispheres.

Food Science and Technology

A Degree in Food Science and Technology allows you to design and oversee the manufacture of food and beverage products to ensure high nutritional value and consumer appeal. You will learn biochemical, microbiological, processing and packaging solutions to preserve and supplement the nutritional value of food and beverages. Training in the flavour and sensory attributes of food is required to provide consumers with convenient and functional foods that have long shelf lives. This program combines world class training in the core sciences of biology, chemistry and microbiology.

Pre-Veterinary

This program is designed to provide you with the foundation knowledge and skills required to progress to further studies in both postgraduate veterinary programs and a range of different scientific disciplines.

For more information, please visit www.adelaide.edu.au