

Postgraduate Programmes at the Institute of Aquaculture

- Sustainable Aquaculture
- Aquaculture Business Management
- Aquaculture and Development
- Aquaculture and the Environment
- Aquaculture Nutrition
- Aquaculture Systems
- Aquatic Animal Health
- Aquatic Pathobiology
- Aquatic Veterinary Studies



University of Stirling Campus

The purpose of this leaflet is general guidance and information. The University's courses are subject to a continuous process of review. While every effort has been made to ensure the accuracy of material in this leaflet at time of going to press, the University will not be liable for any errors or omissions. The University reserves the right in every case at its discretion to vary the contents of courses or parts of courses, to offer new courses, to discontinue existing courses and to cancel courses in the event of low enrolments.



UNIVERSITY OF
STIRLING

Institute of Aquaculture

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UNIVERSITY OF
STIRLING

INSTITUTE OF AQUACULTURE



MSc/Postgraduate Diploma/
Postgraduate Certificate in
Sustainable Aquaculture &
related Degree programmes

MSc/Postgraduate Diploma/
Postgraduate Certificate in
Aquatic Veterinary Studies
and **Aquatic Pathobiology**



Postgraduate Programmes at the Institute of Aquaculture



Student practical class

Postgraduate programmes are created from discrete modules to enable flexibility of learning, while maintaining a high standard of training. This structure

allows greater subject choice to strengthen career prospects in all branches of aquaculture. All modules are accredited under the Scottish Credit and Qualifications Framework (SCQF).

A range of degree programmes are offered at MSc, Postgraduate Diploma and Postgraduate Certificate:

- **Sustainable Aquaculture**
- **Aquaculture Business Management**
- **Aquaculture and Development**
- **Aquaculture and the Environment**
- **Aquaculture Nutrition**
- **Aquaculture Systems**
- **Aquatic Animal Health**
- **Aquatic Pathobiology**
- **Aquatic Veterinary Studies**

The taught modules are 2 weeks long and include both Foundation and more specialised Advanced modules, these may be followed by a three month research project. Each taught module can also be taken in stand-alone mode as part of a personal “continuing professional development” programme. Taught modules are each worth 10 SCQF credits and the research project 60 SCQF credits.

Foundation Modules

Six compulsory modules providing core skills and knowledge:

Aquatic animal Biology & Health : Aquatic animals in the Environment : Aquatic animal Nutrition & Food Safety : Aquatic animal Production Systems : Aquatic animal Reproduction & Genetics : Aquaculture in Practice

Advanced Modules

Six advanced - level modules, chosen from :

Environmental Management : Geographical Information Systems : Practical Feed production, Advanced Engineering : Policy Planning & Management : Livelihoods and Aquatic Resource Management : Business and Financial Management : Economics, Marketing and Investment : Biodiversity and Sustainable Aquaculture : Broodstock Management & Genetics : Sustainable Shrimp Culture : Epidemiology and Health Control : Ecotoxicology

For students of Aquatic Veterinary Studies and Aquatic Pathobiology, Advanced modules in:

Systemic Pathology and Histopathology : Microbial Diseases : Parasitic Diseases : Immunology

Research Project

Field, laboratory or case study work based on a current topic in aquaculture, in a variety of countries, and designed to complement the taught programme. All projects are of current research relevance and are supervised by RAE 5 Institute staff and colleagues at other institutions.



Macrobrachium culture is just one of the specialist research areas at the Institute's Prawn Unit

The Institute of Aquaculture

This is one of the largest, oldest and foremost institutions in the World dedicated to the development of aquaculture. The department is renowned worldwide for its excellence in research and training and has been running MSc programmes since 1972. This 5a RAE (2001) rated Institution has over 100 staff and 100 postgraduate students, and has been designated as an EU Large Scale Research Facility for research excellence.

Institute of Aquaculture staff work closely with the aquaculture industry throughout the world with collaborative projects in more than 20 countries. We believe that research led teaching is essential.



Student research on the development of carp culture in Northern Vietnam

Stirling University

The University campus, is regarded as one of the most beautiful of any University in the UK. It covers more than 350 acres of mature parkland and woodland, with the 18th Century Airthrey Castle at its centre. The Estate has been extensively developed to accommodate a modern residential university. A number of the buildings have won architectural awards. There is a strong international student community with students enjoying active and varied social lives.

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