

Training and Education

COLLEGE AND UNIVERSITY BASED



UHI have a range of education opportunities for those interested in pursuing a career in aquaculture in its broadest sense (e.g., research, regulation, policy, monitoring, supply chain, etc.). Our campus locations bring you up close to aquaculture in our stunning marine and coastal environments.

Aquaculture Management CPD

This Continuing Professional Development course is delivered online over ~9 months. It is aimed at experienced aquaculture staff working in, or progressing into, management roles or for those with a professional interest in aquaculture. The course is applicable to a range of production techniques, countries, and species. It is a SCQF Level 8 course (HND-equivalent), and students complete three modules from:

- **Managing fish farm operations and production**
- **Managing fish health and welfare**
- **Managing hatchery operations and production**
- **Managing shellfish operations and production**
- **Managing health and safety for the production environment**



Postgraduate Degree Programmes

MSc. Aquaculture, Environment and Society (ACES) – 2-year

The ACES MSc. is funded by the European Union's elite Erasmus Mundus programme and offers fully funded studentships to up to two students per country. The course has a unique international dimension – studying in Scotland, Crete, and Nantes. Students build a lasting, international network and the course lays the foundation for outstanding employment opportunities.

MSc. Algal Biotechnology and Bioeconomy – 1-year

Algae produce much of the oxygen we breath and underpin aquatic food chains, but they also have important current and potential roles in pharmaceuticals, pigments, nutraceuticals, biofuels, enzymes, fertilisers, and bioremediation materials. Students will learn many research approaches, micro and macroalgal species cultivation, biotechnology, genomics, metabolomics and will undertake a dissertation project.

MRes. Algal Biotechnology, Biology and Ecology – 1-year

The MRes. is a research project that culminates in a written thesis. Students develop research skills and gain theoretical and practical knowledge in biotechnology as well as practical skills with cultivating algae, protistan physiology, microbial biodiversity, molecular biology, bioinformatics, statistics, business skills and experimental design.

MSc. by Research

This course is a 1-year full-time research project (or 2-year part-time) with several areas of focus to choose from.

PhD.

There are a wide variety of on-going PhD programmes covering many areas related to aquaculture.

Undergraduate Degree Programmes

BSc. (Hons) Marine Science

BSc. (Hons) Marine Science with Arctic Studies

BSc Marine Science with Oceanography and Robotics

The BSc. includes aquaculture, fisheries ecology, marine environmental impact assessment, ocean science and management. The Arctic Studies program includes an opportunity to study environmental sciences in the arctic at the University Centre in Svalbard (UNIS), Spitzbergen. Oceanography and Robotics stream allows our Marine Science BSc students with a particular interest in physics and maths and a good aptitude for quantitative working to acquire in depth robotics and oceanography expertise.

Working with Schools

The National Progression Award (NPA) Level 4 and 5 in Aquaculture provides opportunities for secondary school pupils to develop their skills for a future career in aquaculture. Delivery takes place at college and the NPA is a hands-on course that includes visits to aquaculture producers.

For enquiries connect with us today at www.uhi.ac.uk/aquaculture