



Careers in Fisheries

The Careers Officer, Mike Lee, has updated this advisory booklet, in June 2009.

This booklet is issued free of charge. Anyone wishing to join the Institute should contact the Membership Secretary (membership@ifm.org.uk) or visit the website www.ifm.org.uk

Anyone seeking information in careers in fisheries can contact Mike Lee, IFM Careers, Environment Agency, Coverdale House, Amy Johnson Way, Clifton Moor, York. YO30 4GZ.

The **Institute of Fisheries Management** (IFM) is an international organisation of people sharing a common interest in the modern management of recreational and commercial fisheries.

Created in 1969 in the UK, the IFM is dedicated to the advancement of sustainable fisheries management in all its forms. It is a non-profit making organisation controlled by the membership and governed by an elected council. Members are drawn from professional fisheries managers, regulatory and research bodies, fishing and angling organisations, water companies, fish farms and private individuals whose interests in fisheries are represented at many levels within government and conservation bodies.

The Institute, in partnership with a number of other UK institutes and societies concerned with the environment, is one of the Constituent Bodies of the Society for the Environment. The Society now has a Royal Charter and is empowered to award the qualification of Chartered Environmentalist.

CAREERS IN FISHERIES

This advisory booklet is intended as a guide for persons seeking careers in fisheries. Points of entry into a generalised career structure are indicated for persons with differing levels of professional expertise and experience.

The interest in a fisheries career is widespread in the British Isles. Traditionally there has always been far more people attempting to obtain employment in this field than there are suitable openings, particularly at the lower entry points. The fisheries sector attracting both young people starting out on their career path, but also older persons who are thinking of a change in career.

Employing Bodies

The Environment Agency (EA) employs the largest number of persons in freshwater fisheries work in Britain. Other employers include:-

- Privatised Water Companies.
- The Department for Environment, Food and Rural Affairs (Defra).
- The Freshwater Biological Association.
- The various Rivers Trusts.
- Scottish Office Agriculture, Environment and Fisheries Department.
- Some Salmon District Fisheries Boards.
- The Scottish Environmental Protection Agency (SEPA).
- The Department of Culture, Arts and Leisure for Northern Ireland.
- The Fisheries Conservancy Board for Northern Ireland.
- The Loughs Agency.
- The Department of Communications, Energy and Natural Resources in the Republic of Ireland.
- Fishery Boards in the Republic of Ireland.
- Universities.
- Local authorities.
- Private enterprise including consultants.

Commercial fish farms

The majority of fish farming concerns are small with owners doing much of the work themselves. There are thought to be in excess of 1200 fish farms of one sort or another in the British Isles, with many salmon sea cage farms in Scotland and on the west coast of Ireland.

On the marine side of fisheries the points of entry into a career are as diverse as the freshwater side, entry being dependent on qualifications and experience.

Fish Farming

One attraction of fish farming to many is the idea of working with fish in a rural environment. Whilst this is certainly true it also has, in most cases, certain disadvantages.

Many fish farms are remote and isolated, with little suitable housing in the vicinity; this will apply especially with the growing number of marine fish farmers.

The fish need to be tended seven days a week and tasks which are fun on a summer's day can be most unpleasant in a mid-winter gale.

Large-scale fish farming is a relatively new industry in Great Britain and suffers from many of the ills which beset other new businesses such as poor working conditions or job security.

Fisheries Work at the Environment Agency.

The Environment Agency structure currently does not have its own Fisheries function. Instead fisheries staff are included within Fisheries, Recreation and Biodiversity teams (FRB), Fisheries & Recreation Technical teams (F&R) or Environmental Monitoring teams (EMT).

Fisheries staff in the Environmental Monitoring teams will lead on fish population surveys, usually with the assistance of the designated officer from the F&R or FRB team, and possibly temporary summer students. The role will also see EMT staff lead on investigation into fish mortalities. Increasingly EMT staff will not only have to deal with both fisheries work but also carry out surveys of aquatic invertebrates, aquatic and emergent vegetation and other indicators of water quality such as diatoms.

Fisheries Officers in the F&R and FRB teams may be organized by river catchments. Their responsibilities include giving fisheries management advice, fish rescues and transfers. Increasingly they are involved in angling participation projects. Some enforcement work previously carried out by these fisheries staff is now carried out by Environment Officers.

Most EA regions also have a team of honorary bailiffs, that responsibility is to check anglers' rod licenses and to be observant of illegal fishing activity. This is usually part-time work, and often requires the person to work weekends, when there are the most anglers on the bankside.

Fisheries staff are also employed within the Agency Head Office including the Agency Fisheries Laboratory at Brampton, Cambridgeshire. The Environment Agency's fish hatchery at Calverton in Nottinghamshire, along with salmon hatcheries in Northumbria and Wales, that also employ a number of staff.

Increasingly Environmental Monitoring Teams are employing summer students to assist the regular staff in the delivery of the various ecological surveys they have to complete during the summer months. Summer temporary staff are usually employed via 'high street' temping agencies. Numerous full time staff at the Environment Agency obtained their current positions through following this route.

Other Fishery Work

Increasingly a large number of people seeking employment in the fisheries field are being engaged by private consultants carrying out Environmental Impact Assessments for such as the privatised water companies. But temporary staff

may also carry out work contracted out by the Environment Agency, such as local investigative work, scale reading and sorting samples of aquatic invertebrates. Generally the work may only be short-term; however, it does provide the opportunity to gain valuable experience in such techniques as electro-fishing and netting, which is highly desirable to any future employers.

Bailiffs are also employed by riparian owners to maintain their own fisheries. Whilst the various Rivers Trusts forming across the UK, are also starting to employ people.

Generalised Career Structure and Entry Points

An attempt has been made to describe a simple generalised career structure in fisheries which, with only minor modification, is applicable to the staff structures of most employing bodies.

Generally it is advisable to obtain the highest qualifications before seeking permanent employment in the fisheries field. Any opportunity to gain practical experience (see above) should be taken.

Five entry points are distinguished and the usual requirements for entry at each of these is shown below.

Requirement for Entry

- | | |
|---------|---|
| Point 1 | A general interest in fisheries. Previous experience of fishing methods, dealing with anglers and police work is useful for Water Bailiff positions. The Certificate of the IFM is an advantage and will almost always secure an interview. |
| Point 2 | For a Head Bailiff or Hatchery Manager/Keeper positions experience of working in a post at Point 1 is the major requirement. For Technical Assistants posts GCSE standard is normally required and further qualifications are an advantage. |
| Point 3 | Experience in a relevant post at Point 2 or a degree in a biological subject coupled with other relevant experience. Postgraduate experience is particularly useful for research posts. |
| Point 4 | Experience in a relevant post at Point 3 or a higher University degree in a biological subject coupled with a number of years involvement in the fisheries field. The Diploma of the IFM is distinct advantage for entry points 2-4. |

Point 5 A University degree coupled with several years of working in a relevant post at Point 4 is a minimum requirement.

Within each of the five levels there is a wide salary progression.

Many of those keen to enter fisheries have undertaken a biological course, usually to first degree level, some are still at school and others (ex-servicemen in particular) are seeking new careers. Most of the positions for qualified staff go to biologists with specialist post-graduate training or fisheries experience.

Prospective candidates who can reinforce their biological knowledge with other relevant skills will be viewed most favourably by employers. Such skills may include:

- Experience of practical fisheries management such as may be obtained by participation in an Angling Club work party.
- Engineering training and experience, particularly agricultural or marine engineering.
- Livestock husbandry experience, with evidence of inborn understanding of animals, shown by good stockmen.
- A general agricultural training, including such skills as bricklaying, erection of concrete structures or laying concrete, plumbing and electrics, together with a general aptitude to make things work in a farming environment.
- Having a full driving licence can mean the difference between getting a job and not, particularly at the lower entry points.
- Good interview skills are important!

Increasingly interviews for qualified positions with the various government agencies are competency based. It is assumed that the candidates being interviewed possess the necessary training and knowledge to do the job. The candidate will generally have to provide examples from previous roles that demonstrates his or hers ability too; communicate, team work, solve problems, prioritise and manage time effectively.

Anyone considering further training prior to entering fisheries can either undertake general training in practical skills as described on the previous page or specialist courses related to fisheries as given below.

Institute of Fisheries Management Correspondence Courses

The Institute organises correspondence courses leading to Certificates in Fisheries Management and in Fish Farming, and to a Diploma in Fisheries Management. These qualifications are recognised by many employers and entitle their holder to professional status within the Institute.

The booklets used in the Certificate and Diploma Courses are also available for purchase separately.

Certificate Course

The certificate in Fisheries Management provides knowledge to the level required by persons aspiring to employment as a supervisory water bailiff or fisheries inspector in the water industry, or similar positions in commercially run fisheries. It also provides a sound knowledge base for persons interested in running their own fisheries. The course is organised on a modular basis, with a core module covering freshwater biology, water quality and fish propagation, and the second module including fishery law, bailiffing and keeping duties, fishery maintenance and improvement, and fishing methods.

Both certificates take a year to complete, with core module exams in January and specific module exams in June.

Diploma Course

This is at more advanced standard and provides the level of knowledge required by persons employed in positions such as area fisheries managers in the water industry. The course extends over two years, with freshwater biology, fisheries management, fishery law and fisheries administration covered in one year, and fish husbandry, fish disease, water quality and recreation and amenity in the other year.

Short field courses are held each year, and completion of a project as well as passes in the exams is required for the award of the Diploma. This course has recently been through a credit rating exercise with the Open University Validation Service, and carries points which can be used by successful students to contribute to an Open University degree.

Tutorial systems are in operation for both Certificate and Diploma Courses, with feedback provided to students submitting test papers and essays to course tutors.

Total cost for each Certificate Course, including all materials and exam fees, is £160.

Total cost for the Diploma is £410, plus the costs of the field courses at approximately £120 each.

For more information on the courses please contact: -

Andy Beal,
Hon. Training Secretary IFM,
33 St Cuthberts Avenue,
Great Glen,
Leicestershire,
LE8 9EJ.

Tel: 07901 900043

Email: training@ifm.org.uk

Chartered Environmentalist

The Institute offers a route to obtaining the Chartered Environmentalist qualification through being a Constituent Body of the Society for the Environment (SocEnv). Suitably qualified and experienced members of the IFM can apply to become registered by submission of an application and CV. A professional review interview is also required.

Other Institute Courses

The Institute organises an Annual Conference, covering all aspects of fisheries management and most branches organise day courses and evening talks on topical issues. Details can be obtained from Branch Secretaries, the Institute's quarterly publication 'FISH' or the Institute website (www.ifm.org.uk)

Qualifications.

A number of qualifications are relevant to fisheries work, including:

Scottish Modern Apprenticeships in Aquaculture

Scottish Vocational Qualification in Aquaculture (levels 2 and 3) or Fisheries Management.

National Vocational Qualifications for Aquaculture or Fisheries Management
First Diploma (FD), National Diploma (ND)

Foundation Degree, National Certificate (NC)

Higher National Certificate (HNC)

Degree (BSc)

Courses by other Organisations

Barony College, Parkgate, Dumfries, DG1 3NE
01387 860251, fax 01387 860395,
E-mail admin@barony.ac.uk; www.barony.ac.uk

Barony college is home to the Scottish Aquatic Training Centre. They also have a commercial trout farm on site capable of producing 25 tonnes per year. The nearby River Ae and Sport Fishery both provide facilities for practical fishery management experience. They also have a warm water recirculation unit on site.

They currently offer 2 full time courses at the college; the HNC in Fish Farming, and a National Certificate in Fisheries Studies. They also offer work based training through the Scottish Vocational Qualification 2 in both Aquaculture and Fisheries Management.

The OATA (Ornamental Aquatic Trade Association) certificate is also offered as a distance learning course. The college also offers two short course; a two and half day course relating to fish disease, diagnosis and treatment. A three day course ran in conjunction with the Scottish Fisheries Co-Ordination Centre (SFCC) covering Emergency Life Support, Electric Fishing Health and Safety, Basic Site Surveying and Fish Identification.

Bishop Burton College, Bishop Burton, Beverley, East Yorkshire, HU17 8QG
01964 553000, fax 01964 551190
www.bishopburton.ac.uk

Bishop Burton is set in rural East Yorkshire, within a short drive of the college there is a plethora of fisheries from the chalk streams of the River Hull headwaters, to numerous large gravel pits and large scale commercial fisheries. This results the student receiving an unrivalled experience in terms of practical visits, including habitat improvements to stock assessments. The college also has a large warm water recirculation unit farming carp and ornamentals.

The college currently offers three courses; the one year BTEC Introductory Diploma in Land and Environment, with a Fisheries Studies component. A one year BTEC First Diploma in Fish Husbandry is offered, and the BTEC National Diploma in fish management that last a duration of two years.

The BTEC National Diploma in Countryside Management, and the same qualification in Game and Wildlife. Both have a Fishery Management and Wetland Management component to them as well. The college also offers Environmental Conservation based foundation degree and degrees.

Brooksby Melton College, Melton Mowbray, Leicestershire LE14 2LJ.
01664 850850, fax 01664 855333
E-mail coursenenquiries@brooksbymelton.ac.uk; www.brooksbymelton.ac.uk

The college is currently offering a BTEC First Diploma in Fishery Studies. The course is designed for those wanting a career involved with commercial fish production, and recreational fisheries or ornamental fish production and keeping. Lots of practical work is carried out locally at a multitude of venues. On campus a fishing lake, fish production ponds, river and coarse fish and tropical production units, makes for a very hands on course.

The college is also offering an Introductory Diploma in Land and Environment with a fisheries studies component. The BTEC National Diploma in countryside also offers a freshwater and wetland management unit.

Hadlow College, Hadlow, Tonbridge, Kent, TN11 0AL
0500 551 434
Email: enquiries@hadlow.ac.uk; www.hadlow.ac.uk

Hadlow is Kent's premier land based college, welcoming students from around the world. Situated on 265 hectare estate, the fisheries section have dedicated science laboratories, a Brown trout river fishery, fully equipped hatchery and dedicated stock ponds. Off campus they have exclusive use of twenty water bodies for practical visits across the South East.

Currently they are running three further education courses: The BTEC First Diploma in Fish Husbandry; The National Award in Fish Management, both of which are one year courses. A two year BTEC National Diploma in Fish Management is also offered, which could lead on to a foundation degree (FDSC) in Fish Management, this course can be completed either on a full-time or part-time basis.

The BTEC National Diploma in Countryside Management also offers a fisheries/wetland management component as well.

Lews Castle College, Stornaway, Isle of Lewis, HS2 0XR
01851 770000, fax 01851 770001
E-mail: aofficele@groupwise.uhi.ac.uk; www.lews.uhi.ac.uk

The college offers the SVQ level 2 award in Aquaculture it is aimed at persons who wish a qualification showing that they have a basic knowledge of, and skills in, all aspects of the work they are doing at their fish or shellfish farm. A typical job role would include assisting with the care and welfare of farmed fish or shellfish, assisting with fish hatchery operations and the operation of small craft in support of fish farm operations.

The Level 3 award is aimed at persons who have gained enough working experience to consider working in a supervisory capacity, i.e., making their own decisions and having control of or guidance of others. The job role would include the supervision of fish hatchery operations. The college also offers an SVQ in marine vessel operations (skipper fishing inshore)

Moulton College, West Street, Moulton, Northampton, NN3 1RR
01604 491131, fax 01604 491127
E-mail: enquiries@moulton.ac.uk; www.moulton.ac.uk

Set in rural Northamptonshire this established college is currently offering three courses with fisheries related units. The BTEC First Diploma in Countryside Management and the Environment which is a 1 year course. The National Award in countryside management and the BTEC National Diploma in Countryside Management (Game and Fish), The college's estate takes in a tributary of the River Nene, several ponds, and a lake which is stocked with fish reared at the College's recently established fish rearing unit.

North Atlantic Fisheries College, Port Arthur, Scalloway, Shetland Isles, ZE1 0UN
01595 880328, fax 01595 880549
E-mail admin@nafc.ac.uk, www.nafc.ac.uk

The Marine Science and Technology department run the Scottish Vocational Qualification in aquaculture. It is a practical course, designed to allow candidates to prove their ability to perform their job to a high standard. It is a vocational course and as such candidates need to be employed on an aquaculture facility. The course can be delivered by block release or distance learning. Level 2 (with an emphasis on practical skills) and level 3 (with an emphasis on supervisory skills) are available. The courses currently delivered at NAFC are as follows: SVQ Levels 2 in Salmon (sea); Salmon (freshwater) and Shellfish. The level 3 course is Salmon (sea)

Reaseheath College, Reaseheath, Nantwich, Cheshire, CW5 6DF
01270 625131, fax 01270 625665
E-mail reception@reaseheath.ac.uk, www.reaseheath.ac.uk

Reaseheath College in rural Cheshire is currently offers the following courses, with fishery management components: The City and Guilds National Certificate in Countryside Management, and the City and Guilds Advanced National Certificate in Countryside Management, both of which a year long courses. The college is also offering a foundation degree (three years) with a Higher National Certificate option (two years) in countryside, conservation and recreation management.

Rodbaston College, Rodbaston, Penkridge, Stafford, ST19 5PH
01785 712209, fax 01785 715701
E-mail: rodenquiries@rodbaston.ac.uk; www.rodbaston.com

Offers First Diploma in Fish Husbandry, National Diploma in Fishery Management: Higher National Diploma (HND) Aquatic and Fisheries Management, First Diploma in Countryside Management, National Certificate in Countryside Management, National Diploma in Countryside Management, HND in Environmental Protection and Management.

Sea Fish Industry Authority, Seafish Training & Standards Division, Seafish House, St.Andrews Dock, Hull HU3 4QE,
01482 327837, fax 01482 223310
E-mail training@seafish.co.uk, www.seafish.org

Seafish is the Government-appointed National Training Organisation for the fishing, merchandising and processing, retailing and frying sectors of the sea fish industry. National and Scottish Vocational qualifications are available for all job roles in these industry sectors, along with supporting Modern Apprenticeship and National Traineeship Programmes. Training delivery is co-ordinated through a UK-wide network of Group training Associations. A variety of flexible learning modules and training videos are also available, along with Fishing Gear Technology courses at the unique Flume Tank facility.

Shuttleworth College, Old Warden Park Nr. Biggleswade Bedfordshire SG18 9EA 01767 626222 Fax: 01767 626235 E-Mail: enquiries@shuttleworth.ac.uk;
www.shuttleworth.ac.uk

Set within the stunning location of Old Warden Park, near Biggleswade the College offers a wide variety of full and part time courses making full use of the resources available which include parkland, farm land, lakes, reservoir, woodland and fish hatchery.

Shuttleworth is currently offering four courses a one year BTEC First Diploma in Fish Husbandry, National Diploma in Fish Management, which is a two year course and National Awards and Certificate/Diploma in Fish Management. The various countryside courses also offer a freshwater and wetland component.

Sparsholt College Hampshire, Sparsholt, Winchester, Hampshire SO21 2NF
Tel. 01962 776441, Fax 01962 776587
E-mail enquiry@sparsholt.ac.uk ; www.sparsholt.ac.uk

Offers the following:

BTEC BSc (Hons) Aquaculture and Fishery Management
BTEC First Diploma in Fish Husbandry
BTEC Introductory Diploma in Land & Environment: Fishery Studies
BTEC National Award in Fish Management
BTEC National Certificate in Fish Management
BTEC National Diploma in Fish Management (Ornamental Fish)
BTEC National Diploma in Fish Management (Sport Fisheries)
Foundation Degree (FdSc) in Sport Fisheries and Aquaculture

Part Time Courses

Aquatics and Ornamental Fish Husbandry
BASIS - Certificate in Aquatic Herbicides Training
Sports Fishery Management

Sparsholt is extremely well known amongst the industry for the work the college and the students carry out with regards to freshwater fisheries, fish farming, or exotic and ornamental fish for that matter.

Sparsholt is home to the National Aquatics Training Centre, which is unique in the UK for work with ornamental fish and warm water aquaculture species such as carp, catfish and tilapia. On campus there is also a salmonid hatchery, running commercial feed trials and producing tens of thousands of fish. There are well-known and respected experts on the staff. The campus grounds is also home to a one hectare fishing lake for practical fishery management training and on-site angling. The reputation of the college means unrivalled access to fisheries, fish farms and ornamental fish facilities across the world.

Graduate and Post-Graduate Programme

There are several Universities and Polytechnics that offer graduate and/or post-graduate courses. The following list gives some indication of the courses available.

Further information of a general nature may be obtained from: -
Universities and Colleges Admission Service,
Rosehill, New Barn Lane, Cheltenham, Gloucestershire, GL52 3LZ
www.ucas.com

Hatfield

University of Hertfordshire, Hatfield Campus, College Lane, Hatfield, Herts, AL10 9AB

01707 284000 Fax: 01707 284115

E-mail: careers.advisory@herts.ac.uk www.herts.ac.uk/

BSc (Hons) Environmental Studies (3 years), BSc (Hons) Environmental Management and Conservation. (3 years), BSc Hons Degrees in Environmental Sciences (3 years) BSc Hons Conservation Management (3 years), Animal Management FdSc.

Hull

University of Hull International Fisheries Institute, Cottingham Road, Hull HU6 7RX

01482 466421 Fax: 01482 470129

E-mail: hifi@hull.ac.uk; www.hull.ac.uk/hifi

B.Sc. (Hons) Aquatic Biology with Fisheries. It includes the following modules taught by HIFI staff: Fish Ecology, Freshwater Fisheries and Conservation, Fisheries Resource Management, Aquaculture, Coastal Fisheries Management, Fisheries Development

Taught Programme (Postgraduate Diploma/Master of Science)

Areas for study may be selected from: Fisheries Policy and Planning, Fisheries Science, Inland Fisheries Management and Aquaculture, Aquatic Resources and the Environment, Coastal and Estuarine Studies, Global Biodiversity and Conservation.

The Institute runs short courses for professionals in a variety of subject areas. Currently, the Institute is able to offer several courses of five weeks' duration: Aquatic Resources and the Environment, Management of the Coastal Zone, Data Handling and Resource Assessment, Project Management for Natural Resources and the Environment

Lancaster

University of Lancaster, Dept of Environmental Science, Institute of Environmental and Natural Sciences, Lancaster LA1 4YQ
01524 65201 Fax: 01524 846243
E-mail: ugadmissions@lancaster.ac.uk; www.lancs.ac.uk

The Lancaster Environment Centre brings together more than 300 environmental researchers from disciplines across the natural and applied sciences, humanities, management sciences and engineering.

This group, formed as a result of collaboration between the University of Lancaster and the Natural Environment Research Council's (NERC) Centre for Ecology and Hydrology, is one of the largest groups of its kind anywhere in Europe. Lancaster University and CEH are already collaborating extensively on a range of research projects. In addition to this collaboration, we are drawing together the LU research themes and CEH science programmes to develop, within LEC, a series of Interdisciplinary Research Centres in areas where there is a global need for the development of new thinking and new science. In the development of these Centres we are establishing new strategic alliances with a range of organisations and further developing our partnerships with the wider user community

BSc (Hons) in Environmental Science (3 years), BSc (Hons) in Environmental Biology (3 years) with options in aquatic ecology, BSc (Hons) in Biological Sciences (3 years)

Liverpool

University of Liverpool, PO Box 147, Liverpool, L69 3BX
01517942000
E-mail: ugrecruitment@liv.ac.uk; www.liv.ac.uk

BSc (Hons) Zoology with final year option in Freshwater Fisheries Management (3 years)

BSc (Hons) Marine Biology (3 years).

BSc (Hons) Biology with a Year in Industry/Research (4 years).

BSc (Hons) Environmental Biology (3 years).

London

Greenwich, Old Royal Naval College, Park Row, Greenwich, London SE10 9LS
020 8331 8000 enquiries: 0800 005 006 (UK only) Fax: 020 83318145
E-mail: courseinfo@greenwich.ac.uk; www.greenwich.ac.uk

Foundation Degree Sc Fisheries Management 2 year FT or 4 Year PT (at Hadlow College).

Kings College London, School of Health & Life Sciences, Franklin-Wilkins Building, Kings College London Waterloo Campus, 150 Stamford Street, London

SE1 8WA
020 7848 4329 Fax: 020 7848 4500
E-mail: msc-lifesciences@kcl.ac.uk; www.kcl.ac.uk;

MSc Aquatic Resource Management which includes Marine and Inland Fisheries and a fisheries project as appropriate (1 year).

Queen Mary College, University of London, School of Biological Sciences, Mile End Road
London E1 4NS
020 7882 5555 Fax: 020 7882 5500
www.qmw.ac.uk

BSc in Marine and Freshwater Biology (3 years)

Manchester

Manchester Metropolitan University, Department of Biological Sciences, John Dalton Building, Chester Street Manchester M1 5GD
0161 247 2975 Fax: 0161 247 6831
E-mail: se.course@mmu.ac.uk; www.mmu.ac.uk

BSc (Hons) Applied Ecology, BSc (Hons) Combined Honours Environmental Studies*
BSc (Hons) Ecology and Conservation, BSc (Hons) Environmental Management
BSc (Hons) Environmental Protection, BSc (Hons) Environmental Science
BSc (Hons) Environmental Studies, BSc (Hons) Wildlife Ecology and Behaviour
Postgraduate Certificate/Postgraduate Diploma/ MSc/MSc (by Research)
Environment, Management and Sustainable Development All Saints, Manchester
Full-time .

Newcastle

School of Marine Sciences & Technology, Armstrong Building,
The University, Newcastle upon Tyne, NE1 7RU
Tel: 0191 222 6718
E-mail: admissions-enquiries@ncl.ac.uk www.ncl.ac.uk/marine

BSc Hons Marine Biology, BSc Hons Zoology (3 years), BSc Applied Biology (3 years), BSc Ecology (3 years), BSc Wildlife Biology, MSc/Diploma in Tropical Coastal Management, MSc/Dip in Wildlife Conservation and Management

Norwich

University of East Anglia, Schools of Biological and Environmental Sciences,
Norwich NR4 7TJ

01603 458553

E-mail: engoff.bio@uea.ac.uk; www.uea.ac.uk

BSc Hons Ecology (3 years)(Options in Fisheries Biology, Aquatic Ecology), BSc (Hons) Environmental Science (3 years), BSc (Hons) Ecology with Biology.

Nottingham

The Nottingham Trent University, Burton Street, Nottingham, NG1 4BU.

01142 418418

E-mail: lif.enquiries@ntu.ac.uk www.ncu.ac.uk

BSc (Hons) Wildlife Ecology, BSc (Hons) Biological Sciences, BSc (Hons) Environmental Biology.

Plymouth

University of Plymouth, Faculty of Science, Drake Circus, Plymouth PL4 8AA

01752 233093

E-mail: science@plymouth.ac.uk; www.plymouth.ac.uk

BSc Marine Studies, MRes Applied Marine Science (1 year), Higher degrees by research (e.g. Freshwater Ecology), BSc Biological Sciences (3 years) BSc Marine Biology (3 years), BSc Marine Biology & Coastal Ecology (3 years), BSc Aquaculture (3 years), MRes Applied Fish Biology (1 year).

Portsmouth

School of Biological Sciences, King Henry Building, King Henry 1st St,
Portsmouth, PO1 2DY.

023 9284 2036

E-mail: sci.admissions@port.ac.uk; www.port.ac.uk

BSc (Hons) Environmental Biology, BSc (Hons) Marine Biology, B.Sc. (Hons.) Marine Biology with polluted ecosystems.

Centre for the Economics and Management of Aquatic Resources (CEMARE),
University of Portsmouth, Boathouse No 6, College Road, HM Naval Base,
Portsmouth PO5 3LJ.

023 9284 4082

E-mail: cemare.library@port.ac.uk; <http://www.port.ac.uk/research/cemare>
PcC/PgD/MSc in Fisheries Economics, MSc in Coastal and Marine Resource Management.

Reading

The University of Reading, Whiteknights, P.O.Box 217, Reading RG6 2AH.

www.rdg.ac.uk

BSc Applied Ecology and Conservation, BSc Environmental Biology.

Silsoe

Cranfield University, Silsoe, Bedford MK45 4DT

01525 863000 Fax: 01525 863001

www.cranfield.ac.uk

MSc Environmental Water Management, (MSc) Environmental Management for Business, MSc Environmental Diagnostics.

Southampton

University of Southampton, University Road, Southampton, S17 1BJ

02380 595000 Fax: 02380 593131

www.soton.ac.uk

BSc (Hons) Environmental Sciences, BSc Marine Biology with Oceanography, MSc Marine Biology.

WALES

Bangor

University of Wales Bangor, School of Ocean Sciences, Menai Bridge, Anglesey
LL59 5EY

Tel: 01248 351151; Fax: 01248 716367

E-mail: enquiries@sos.bangor.ac.uk; www.sos.bangor.ac.uk

BSc Applied Marine Biology (3 years), BSc marine Biology (3 years), MSc Shellfish, Biology, Fisheries and Culture (1 year), MSc Marine Environmental Protection (1 year)
MSc Fisheries Biology and Management (1 Year).

Swansea

University of Wales, Singleton Park, Swansea SA2 8PP
01792 205678

www.swan.ac.uk

BSc Biological Sciences (3 years), MSc Aquaculture and the Environment, MSc Environmental Biology.

Aberystwyth

University of Wales Aberystwyth, Old College, King Street, Aberystwyth,
Ceredigion, SY23 2AX
01970 623111

E-mail: ibs-admissions@aber.ac.uk; www.aber.ac.uk; www.aber.ac.uk/biology

BSc in Marine and Freshwater Biology (3 years) inc Fish Biology, HND/BSc in Countryside Management, HND/BSc in Countryside Conservation (3 years), BSc Environmental Biology, BSc Zoology.

Cardiff

Cardiff University, Cardiff, CF10 3XQ.
029 2087 4000

www.cf.ac.uk

BSc Ecology and Environmental Management (3 or 4 years)

SCOTLAND

Aberdeen

Aberdeen University, College of Life Sciences and Medicine, Polwarth Building, Foresterhill, Aberdeen, AB25 22D.

01224 551249; Fax: 01224 550708

E-mail: infocslm@abdn.ac.uk ; www.abdn.ac.uk

BSc Zoology (Marine and Aquatic Biology) 4 years, BSc Conservation Biology, B Technol in Aquaculture (3 years), MSc in Marine and Fisheries Science (1 year), BSc in Marine Resource Management, BSc Environmental Science.

Edinburgh

University of Edinburgh, 7-11 Nicholson Street, Edinburgh EH8 9BE

Tel: 0131 650 2253

Web: www.ed.ac.uk ; www.biology.ed.ac.uk

BSc in Ecological Science

Conservation and Ecological management

Heriot-Watt University, Edinburgh, EH14 4AS

0131 449 5111; Fax: 0131 449 5153

E-mail: enquiries@hw.ac.uk ; www.hw.ac.uk

BSc Applied Marine Biology (3-4 years), Diploma or MSc Marine Resource Development and Protection (1 year)

Napier University, Craiglockhart Campus, Edinburgh, EH14 1DJ

0500 35 35 70

www.napier.ac.uk

BSc Biological Sciences, BSc Marine & Freshwater Biology, BSc Environmental Biology, MSc Wildlife Biology & Conservation, MSc Biology of Water Resource Management.

Stirling

Stirling University, Institute of Aquaculture, Stirling FK9 4LA

Tel:01786 473171

www.aquaculture.stir.ac.uk ; www.stir.ac.uk

BSc Freshwater Science, BSc Aquaculture, MSc Aquaculture (1 year), Diploma in Aquaculture and Fishery Management (postgrad) 1 year, MSc in Aquatic Pathobiology/Veterinary Studies (1 year).

REPUBLIC OF IRELAND

Galway

Galway-Mayo Institute of Technology, Dublin Road, Galway.

+353 91 753161

E-mail: info@gmit.ie ; www.gmit.ie

BSc (Hons) Applied Aquatic Sciences, BSc (Hons) Applied Freshwater and Marine Biology.

National University of Ireland, Galway, University Road, Galway, Ireland.

+353 91 524411

E-mail: info@nuigalway.ie ; www.nuigalway.ie

BSc Environmental Science.

The Martin Ryan Marine Science Institute, National University of Ireland, Carna, Galway

+353 91 492325 Fax: +353 91 525005

E-mail: MRI ; www.mri.nuigalway.ie

BSc Marine Science

Letterkeny

Letterkenny Institute of Technology, Port Road, Letterkenny, Donegal.

074 918 6000 ; Fax: 074 918 6005

E-mail: info@lyit.ie ; www.lyit.ie

Higher Certificate in Aquatic Science (2 years).

Cork

University College Cork, Cork, Ireland.

+353 21 490 3000

BSc Applied Ecology (4 years).

University College Cork, Aquaculture Development Centre, Cork

+353 21 490 4590

E-mail: aquaculture@ucc.ie ; www.ucc.ie/research/adc ; links:
www.aquaculture.ie

Higher Diploma in Aquaculture, MSc in Aquaculture

Dublin

Trinity College Dublin, College Green, Dublin 2.

+353 01 608 1000

E-mail: www.tcd.ie/Admissions ; www.tcd.ie

BA (Hons) in Zoology including fish biology, marine and freshwater ecology, parasitology and aquaculture

Centre for the Environment, Trinity College Dublin 2

+353 1 608 1638; fax: +353 1 671 8047 E-mail: cenv@tcd.ie ;

www.tcd.ie/Centre_for_the_environment

MSc and BA in Environmental Science including marine and freshwater fisheries, ecology and aquaculture.

University College Dublin, Belfield, Dublin 4, Ireland.

+353 1716 1649

www.ucd.ie

BSc (Hons) Applied Environmental Studies (4 years).

Limerick

University of Limerick, Limerick.

+353 061 202700

www.ul.ie

BSc (Hons) Environmental Science.

EUROPE

The aquaculture training and technology network (AQUATT) is a network of co-operating educational and industry members involved in the aquaculture sector in Europe.

www.aquatt.ie

There is also a useful guide to fish farming careers at: www.aquamedia.org

- Opportunities for fisheries research may also occur at the C.E.F.A.S. Fisheries Laboratory at Lowestoft (www.cefas.co.uk);
- Scottish Executive Environment and Rural Affairs Department (SEERAD)
- Marine Laboratory at Pitlochry (www.marlab.ac.uk);
- Scottish Association for Marine Science at Oban (www.sams.ac.uk);
- Freshwater Biological Association (www.fba.org.uk).
- Water Companies Plc (addresses for the regions are listed below).

Environment Agency

Headquarters Rio House, Waterside Drive, Aztec West, Almondsbury,
Bristol BS12 4TD.

Web www.environment-agency.gov.uk

Anglian

Kingfisher House, Goldhay Way, Orton Goldhay, Peterborough PE2 5ZR

North East

Rivers House, 21 Park Square South, Leeds, LS1 2QG

North West

PO Box 12, Richard Fairclough House, Knutsford Road, Warrington
WA41HG

Midlands

Sapphire East, 550 Streetsbrook Road, Solihull, B91 1QT

Southern

Guildbourne House, Chatsworth Road, Worthing,
West Sussex BN11 1LD

South West

Manley House, Kestrel Way, Exeter EX2 7LQ

Thames

Kings Meadow House, Kings Meadow Road, Reading RG1 8DQ
Environment Agency Wales

Environment Agency Wales

Rivers House, St.Mellons Business Park, Fortran Road, St.Mellons,
Cardiff CF3 0EG.

Water Companies Plc

Water Services Association, 1 Queen Annes Gate, London.

Web: www.water.org.uk

WHO TO CONTACT

Major employing bodies advertise vacancies in the national press (particularly in the New Scientist and Fish Farmer).

Posts at points 1 and 2 are often advertised locally and in the angling press.

Many fish farmers advertise vacancies in the bimonthly magazines 'Fish Farmer' (www.fishfarmer-magazine.com) and 'Fish Farming International', or on the BTA website, www.britishtROUT.co.uk

Persons seeking a fisheries post should, therefore, watch the news media carefully for suitable advertising.

Scottish Quality Salmon (formerly the Salmon Growers Association)
Drummond House, Scott Street, Perth PH1 5EJ.
www.scottishsalmon.co.uk

The Voluntary Service Overseas (VSO) often has placements in the fisheries field abroad.

V.S.O., 317 Putney Bridge Road, London SW15 2PN
020 8780 7200
www.vso.org.uk

Lantra - Sector Skills Council for the Environmental and Land-based Sector has useful information relating to careers in fisheries and fish farming, including competency frameworks. www.lantra.co.uk

Lantra, Lantra House, Stoneleigh Park, Nr Coventry, CV8 2LG
02476 696996 Fax 02476 696732 Email connect@lantra.co.uk

Lantra, Royal Welsh Showground, Llanelwedd, Builth Wells, Powys LD2 3WY
01982 552646 Fax 01982 552523

Lantra, Newlands, Scone, Perth PH2 6NL
01738 553311 Fax 01738 553322