

Employability webliography

A list of all the employability related links on the Centre for Bioscience website.

A

[Action on Access, Disability section](#)

This web site provides information about the HEFCE/DELNI funded disability projects. It should be of use to anyone with an interest in supporting disabled students.

[Arboricultural Association](#)

The "Education and Training" page gives details of the types of work within arboriculture with advice and information about entry and qualifications.

[Association of the British Pharmaceutical Industry](#)

Within the "Life Enhancing Careers" section is information about the areas of work associated with the development of a new drug including technical, science communication and commercial occupations, and many graduate career profiles.

[Association of Clinical Cytogeneticists](#) (Go to: [Careers in Cytogenetics](#))

Detailed information about the work of a clinical cytogeneticist and entry to the profession.

[Association of Graduate Careers Advisory Services \(AGCAS\)](#)

The work of AGCAS includes researching and disseminating good practice in careers education and the production of a biennial resource directory, "Careers and Personal Development in the Curriculum" downloadable from the Higher Education Academy web site. A Widening Participation Task Group has recently been set up for AGCAS members and academic staff may be able to link in to the Group's work through their careers services.

[Association of Graduate Recruiters \(AGR\)](#)

Represents organisations which recruit and employ graduates, or which offer services in connection with graduate recruitment.

B

[Biochemical Society](#)

The Society's web site has useful sections on careers and employability including the results of an annual survey of UK biochemistry graduate employment covering first and higher degree (masters and PhD) leavers. Also has '[a day in the life of ...](#)' section.

[BioMedNet](#)

On-line news magazine, "HMS Beagle", containing articles on careers and career profiles of leading scientists. Download the [interviews with scientists](#) or [careers articles](#) (both pdf format).

[Biohealthmatics](#)

Gives guidance and advice on skills required, getting started, training and brief descriptions on some of the areas within bioinformatics that opportunities are arising.

[Biosciences Federation](#)

This umbrella organisation for the biosciences was founded in December 2002 and has a useful careers section on its website. They also organise the [Life Science Careers Conferences](#), an opportunity for students to see the careers available in the life sciences.

[Bioscience YES](#) (Young Entrepreneurs Scheme) - Yorkshire and Humber. An innovative competition developed to raise awareness of the commercialisation of bioscience ideas among postgraduate students/postdoctoral scientists working at universities in the Yorkshire and Humber region.

[blackandasiangrad.ac.uk](#)

This is a national website that aims to improve the employability of all Black and Asian students in the UK.

[Brewlab](#), University of Sunderland

Information about different types of work in brewing and entry routes, and employment sectors.

[Bridging the Gap between Degree Program Curricula and Employability through Implementation of Work Related Learning](#) (2003) Hills, J.M., Robertson, G., Walker, R., Adey, M.A. and Nixon, I., *Teaching in Higher Education*, 8 (3), 211 – 231.

[British Ecological Society](#)

The Society produces a booklet, 'Rooting for a Career in Ecology or Environmental Management', that includes a number of career profiles of practicing ecologists. It can be downloaded from this web site.

[British Neuroscience Association](#)

A "Careers in Neuroscience" page is available (Go to: Education and Training).

[British Nutrition Foundation](#)

A "Careers and Training in Nutrition" page describes work in the nutrition and dietetics fields with links to postgraduate course providers.

[British Pharmacological Society](#)

Within the "Careers in Pharmacology" pages is information about the nature of pharmacology, the work of pharmacologists, and the knowledge and skills needed in employment with links to more detailed data.

[British Society for Cell Biology](#) (Go to: softCELL - e-learning)

"Careers and Courses" and other sections provide information about cell biology and work in this field.

[British Society for Immunology](#)

Within the "Careers" web pages are career case studies for people working in the immunology field. The booklet 'Immunology - a Career for the Future', which includes employment sectors and the descriptions of work within them, and career case studies is available via this web site.

[British Society for Plant Pathology \(Go to: Education\)](#)

Outline information about "A Career in Plant Pathology" plus a series of a "Week in the life of ..." scientists in this field.

[British Toxicology Society](#)

Descriptions of work in different branches of toxicology are included in the booklet "Careers in Toxicology", downloadable from this web site.

C

[Careers Research and Advisory Centre \(CRAC\)](#)

One of CRAC's initiatives is to pioneer InsightPlus, a scheme to help students to recognise the skills they develop through extracurricular learning, including work experience, within a career management framework and fitting in with national initiatives including the Progress File.

[Centre for Recording Achievement \(CRA\)](#)

CRA is a major source of information, including the sharing of good practice and experience, about recording achievement, personal development planning and the use of Progress Files within educational institutions.

[Chartered Institute of Environmental Health](#)

The web pages "Careers and development" include information about the work of an environmental health officer and routes into it.

[City and Guilds](#)

City & Guilds is the leading provider of vocational qualifications in the United Kingdom including formal certification of work based placements as part of a degree programme.

[CONTEXT project](#)

The Context project, based in the School of Geography at the University of Leeds, aims to meet the needs of students for group working, decision making and work experience by providing case materials based on real work situations from business, government and the voluntary sector.

[The Council for Industry and Higher Education \(CIHE\)](#)

CIHE's research includes the enhancement of employability through work placements and other aspects of the higher education experience. See the website for reports and other publications.

D

[Department for Children, School and Families \(formerly the DfES\)](#)

As part of its work on student employability DfES has produced [The Work Related Learning Report](#) which demonstrates how students and staff in higher education can benefit from and contribute to the expansion of work-related learning. In addition it has published a number of studies of the issues surrounding the entry of mature students to higher education. See, for example, the report "[Potential Mature Students Recruitment to HE](#)" (Research Report RB 385) that includes a discussion of the problems that mature students are likely to face when they enter HE and the extra support needed to enable them to be successful.

[DfEE Higher Education Quality and Employability Division](#)

During 1996 - 2000 the DfEE sponsored many university projects designed to support curriculum change, personal development planning, expanding work experience opportunities, life-long learning, key and career management skills development, and the use of graduate skills by SMEs. End of project reports can be viewed on-line.

[Directory of Employability Resources](#) a searchable directory from the Higher Education Academy

[Doctorjob.com](#)

This web site includes information about employers and employment sectors with career profiles and descriptions of occupations, and advice and guidance about career decision making and job searching.

E

[Employability and Good Learning in Higher Education](#) (Peter Knight and Mantz York) looks at the concept of employability and responses of HE to pressures to enhance employability (Teaching in Higher Education, 2003, Vol 8, pp3 - 16).

[Employability Audit](#)

This audit provides academic staff with a structured approach to the formative development of employability aspects of a course.

[Employability Card Sort](#)

The Card Sort is a tutor-tailorable resource which enables students to identify and focus on what are important aspects of employability for them.

[Employability Forum](#)

This discussion forum, organised by LTSN Bioscience, covered a wide variety of issues surrounding the employability of bioscience student. Outcomes including delegate presentations and reports of discussions are included in the web pages.

[Enhancing Student Employability Co-ordination Team \(ESECT\)](#)

As part of its work on enhancing student employability ESECT researched and disseminated information about existing practices in HE and offered support and guidance to academic staff and other groups within institutions. Information and resources are available from the web pages, for example the [Employability Briefings](#)

['Enjoy Student Life, Develop Workplace Skills, Get that Job'](#)

The University of Leeds produced this video for first-year students highlighting the importance of extra-curricular activities. For more information contact [Paul Jackson](#) (University of Leeds).

[Epson Presenters Online](#)

Advice and information about making presentations including the use of visual aids.

[European Society for Biomaterials](#) (Go to: Education; Young Scientists Forum)

Information about training and possible career paths, academic and industrial, in this field.

[Environmental Careers](#)

Portal for environmental careers in the UK, which also provides advice, information and profiles.

F

[Find a PhD](#)

Students can use this website to find details of PhD research topics inputted by academic staff from institutions throughout Europe.

[Forensic Science Society](#)

This website includes descriptions of the work within the forensic science field and links to potential employers.

G

[GEM Project \(Graduate EMployability\)](#)

This project was based at the University of North London (now London Metropolitan University) and examined the employability of non-traditional students

[Genetics Society](#)

The Education section contains brief accounts of work areas for geneticists and their employers.

[Graduate Link](#)

Graduate Link promotes graduate jobs and careers in the Yorkshire and Humber region for graduates throughout the UK.

[Graduate Prospects](#)

This extensive web resource, designed for HE students, includes: help with career decision making (Go to Where do I start and What job would suit you); details of career options related to degree subject (Go to Use your subject); many hundreds of occupational profiles, each providing very detailed information about a particular type of work with, in many cases, associated graduate case studies (Go to Explore types of jobs); advice about job searching (Go to Applications and interviews) including discrimination issues (Go to Your background issues); and information about many other careers topics.

[Growing-careers.com](#)

A "career paths" section provides outlines of typical jobs in a range of fields including agriculture and horticulture and areas related to landscapes, gardens and animal production.

H

[Higher Education Academy](#)

The Employability web pages provide a rich source of information, including papers, reports, guides and links to resources on a wide range of employability issues, e.g. personal development planning and widening participation.

[Higher Education Funding Council for England \(HEFCE\)](#)

HEFCE has produced many reports and resources relating to widening participation, career management and recording achievement, work experience, employment

indicators and other employability issues. See, for example, the projects within the Innovations Fund scheme.

[Hobsons Job Descriptions](#)

This web site includes outline descriptions of what science graduates do and the skills they need, and information and advice about career decision making, work placements and internships, and job applications. Much of this information can also be found in "The Hobsons Graduate Career Directory" usually available free to students from their campus careers service.

[Howard Hughes Medical Institute](#)

This web site includes an interesting section on the qualities needed to become a successful biomedical research scientist.

I

[Impact Project](#)

Impact is a positive action project designed to develop the competitiveness and employability of UK minority ethnic undergraduates and graduates through a programme of suitably tailored guidance and career development learning activities.

[Innovations Programme](#)

Initially organised by HEFCE and funded by DfES, the Innovations projects contributed to the development of a curriculum and learning environment that prepares students for the world of work and appropriate learning within work. The project has now ended but the website and resources are still available.

[Insightplus](#)

InsightPlus is a pioneering scheme which seeks to increase student employability by aiding students' recognition of the skills they develop while undertaking part-time employment or voluntary work.

[Institute of Biology](#)

In the Education and Careers section are descriptions of job sectors within 11 broad areas of employment (go to Careers in Biology), "A week as ..." series of descriptions of the work of a number of scientists in diverse employment areas (go to Career profiles), and FAQs about careers issues for students (go to Careers online helper).

[Institute of Biomedical Science website](#) (Go to: Education and Training)

The booklet "Careers in Pathology" contains information about laboratory based careers for scientists in the National Health Service. The leaflet "Science in the Service of Life – a Career in Biomedical Science" includes fairly basic information about the range of opportunities in hospitals and other employment sectors for biomedical scientists. Both are downloadable from the web pages.

[Institute of Food Science and Technology](#)

These web pages give outline information about "job functions" related to food science and technology employment sectors. A booklet, "An A to Z of Careers in Food Science and Technology" is available.

[International Association for the Exchange of Students for Technical Experience \(IAESTE\)](#)

IAESTE is an international exchange programme for higher education students in science and other technical subjects seeking experience relating to their studies.

J

[Jobs of graduates of pharmacology 1994-1996](#)

Within these web pages is data about the career destinations of graduate pharmacologists.

K

[Keynote Project Work Placement Guide](#)

This is a practical guide, with sections for students and tutors, to help students to gain work experience placements and benefit from them.

L

[Lantra, Careers in Land Based Industries](#)

Short accounts of the nature of work and case-studies for a wide range of occupations across the agricultural crops and livestock, landscaping, animal and fish care management, horticulture, tree/timber production and related areas.

[Leadership Foundation](#)

These web pages contain considerable information mainly about the career management and development of contract research staff but also pertaining to postgraduate researchers.

[LMI4HE](#) Labour market information for HE in the North West of England

Learned Societies

A number of the learned societies have webpages relating to employability and careers:

- [Arboricultural Association](#)
- [Association of Clinical Cytogeneticists](#)
- [Association of the British Pharmaceutical Industry](#)
- [Biochemical Society](#)
- [Biosciences Federation](#)
- [British Ecological Society](#)
- [British Neuroscience Association](#)
- [British Nutrition Foundation](#)
- [British Pharmacological Society](#)
- [British Society for Immunology](#)
- [British Society for Plant Pathology](#)
- [British Toxicological Society](#)
- [Forensic Science Society](#)
- [Genetics Society](#)
- [Institute of Biology](#)
- [Institute of Biomedical Science](#)
- [Institute of Food Science and Technology](#)
- [Nutrition Society](#)

- [Physiological Society](#)
- [Royal College of Pathologists](#)
- [Royal Forestry Society of England, Wales and Northern Ireland](#)
- [The Royal Society](#)
- [Society for Experimental Biology](#)
- [Society for General Microbiology-Bioscience@work](#)
- [Society for Underwater Technology](#)

M

[Meeting the Need 2001-2002](#)

Meeting the Need gives an account of several projects, initially funded by the DfES Innovations Fund, which explore ways of improving the responsiveness of HE curricula to the changing demands of employers and the graduate labour market.

N

[National Centre for Volunteering](#)

The Centre provides information for potential volunteers and their managers including news and current events, and the latest research. Student volunteers seeking career related opportunities can link to volunteering opportunities in different work sectors and access relevant advice and help.

[National Council for Work Experience \(NCWE\)](#)

NCWE produces training and support materials for students and their tutors to maximise the development of students' employability skills from work experience. Available via this website are a Student Pack, a Tutor's Work Experience Resource Pack and a Placement Tutor's Handbook. [Getting Involved in Work Experience: a Guide for Academics](#) is useful, although a little dated.

[NHS Careers](#) (Go to: Healthcare science)

NHS Careers provides information about and routes into life sciences/pathology laboratory based, and clinical physiology careers.

[Nature](#)

Careers articles are published in Nature magazine. Recent topics include: Biotechnology; Contract Research; Epidemiology; Oncology; Proteomics; and PhD research.

[New Scientist](#)

Careers articles are published in the New Scientist magazine. Recent topics include: Bioinformatics; Biotechnology; Cancer Research; Crop Research; Environmental Careers, Forensic Science; Immunology; Medical Sales; Neuroscience; and Regulatory Affairs.

[North West Graduate Employer Directory](#)

The Directory is searchable by type of employer, degree subject and type of work offered.

[Nutrition Society](#)

The website has a careers section that concentrates mainly on further study in nutrition.

P

[Physiological Society](#)

At the end of each year, along with other learned societies from the Biosciences Federation, The Physiological Society take part in organising Life Science Careers Conferences for undergraduate and postgraduate students.

Professional Scholarship Programme for the Land Based Industries - an FDTL3 project investigating the enhancement of key skills, career management abilities and scholarship required by autonomous professionals in a learning society. For further information contact [Dr Abigail Hind](#), Harper Adams University College

[Prospects Planner](#)

This computer guidance programme is designed to help students to understand the process of career choice and to generate career options that match their skills, interests, and work values. The full version is available at all campus careers services and a simpler version on the Graduate Prospects web site. Registration is required but is free.

PROFILE

Profile is a flexible Generic System to Support the Credit-rating of Work-based Learning within non-vocational Bioscience Sandwich Degrees (FDTL4 project)

Q

[Quality Assurance Agency for Higher Education \(QAA\)](#)

The QAA publishes benchmark statements for honours degrees and some masters' courses. The Centre for Bioscience subjects covered are agriculture, forestry, food sciences and consumer sciences, biomedical science, and biosciences. An important area of QAA's current and on-going work relates to the introduction of Progress Files for higher education.

R

Realworld Project.

This Phase 3 FDTL project aims to enhance employability of students within the disciplines of agriculture, environment, forestry and organismal biology through the integration of work-related learning activities into the curriculum. The project has also produced [Labour Market Information: A Guide](#) primarily to aid the gathering and analysing of relevant labour market information, as part of the validation procedures for new courses and the subject review process for existing courses.

[Recording Achievement and Personal Development Planning](#)

The [Higher Education Academy](#) hosts this list of Useful Links to information about resources that have been developed for students to record, reflect on and plan to improve their personal and skills development in all aspects of their higher education experiences including work experience and other extra-curricular activities.

[Royal College of Pathologists](#) (Go to: Careers)

The Careers pages include descriptions of work within the main branches of pathology: chemical pathology (clinical biochemistry); haematology; histopathology; immunology; and medical microbiology. Booklets about the branches of pathology

are available: "A Career in Pathology" (being reprinted) and "Pathology: the Hidden Science that Saves Lives".

[Royal Forestry Society of England, Wales and Northern Ireland](#) (Go to: Careers and courses)

The site describes the types of work within the forestry and arboriculture professions and entry points and qualifications.

[The Royal Society](#)

The Royal Society Scientists section includes profiles of eminent scientists including their careers and achievements in science. The Students section of the website also contains a "Meet the Scientist" page which has interviews with some of the Royal Societies young members.

S

[Science Careers](#)

Descriptions of areas of work, career profiles and copious links across a wide-ranging careers spectrum including bioinformatics, cosmetic science, forensic science, medical writing, zoos and museums, regulatory affairs and many careers away from science but entered by bioscientists.

[Scientists for Global Responsibility](#)

Scientists for Global Responsibility (SGR) has produced several documents that may be of interest to undergraduates when considering their future career options. The introductory booklet *An Ethical Career in Science and Technology* introduces scientists to some of the ethical issues they may find themselves confronted with in their work. Whilst the two briefings: *Career choice, ethics and animal experimentation* and *Career choice and climate change* focus on specific issues.

SEED (Science Education Enhancement and Development) [A Guide to Developing Employer Links in Higher Education](#). The principal aim of this project was to promote enhanced employer links through a handbook of good practice including a series of case studies drawn from the sciences

[SHL](#)

SHL provides information about the job application and assessment process with particular focus on ability/aptitude tests and personality questionnaires with practice tests and feedback.

[Skill: National Bureau for Students with Disabilities](#)

Skill provides information sheets on the transition into employment and their online publication '[Get that Job](#)' is helpful.

[Skills-Plus: Employability in Higher Education](#)

Through the work of this 2-year project a number of academic departments introduced curriculum changes and enhancement to increase the employability of students. A range of publications has emerged and are accessible on-line from the Higher Education Academy.

[Society for General Microbiology](#)

The site shows areas of work available to graduate microbiologists. Career profiles include bioinformatics. A booklet, "Your Career in Biology" is available.

[Society for Underwater Technology \(SUT\)](#)

SUT is a multi-disciplinary learned Society bringing together individuals and organisations who have a common interest in underwater technology, ocean science and offshore engineering. Website includes information about opportunities for biologists and zoologists in marine science and technology.

[Southampton Oceanography Centre](#)

Describes typical jobs and routes of entry into oceanography and marine biology.

[Staff and Educational Development Association \(SEDA\)](#)

Some of SEDA's publications focus on schemes for work-based learning and recognising and accrediting independent work experience.

[STEP \(Recording Skills Development During Work\)](#)

Step aims to provide work experience opportunities in small and medium sized businesses usually in the summer but sometimes on a part-time term-time basis. Students have access to 1000s of summer project-based work placements and can use a "skills On-line" support facility to record skills development and enhance the experience.

Supporting and Assessing Students' Progress and Acquisition of Work-related Skill in the Placement Environment using a Web-based Interface (FDTL4 project). For further information contact [Dr Chris Seal](#), University of Newcastle upon Tyne.

U

UK Graduate Careers Survey 2004

This is a survey, carried out annually, of students' attitudes to their careers. Contact your Careers Service or email or email surveys@highfliers.co.uk to request a summary.

[The UK Patent Office](#)

A description of the work of a patent examiner is included in the booklet, "A Career as a Patent Examiner", which can be downloaded from this web site.

[UniversitiesUK](#)

The UUK website contains much information on employability. See for example the reports "Enhancing Employability, Recognising Diversity; Making Links Between Higher Education and the World of Work", "Modernising HE Careers Education" and "Student Services: Effective Approaches to Retaining Students in Higher Education".

[University of Derby Careers Service](#)

Useful information for staff, students, employers and potential students alike.

[University of Edinburgh Careers Service](#)

On this website are links to sources of information about employers of graduates in all UK regions.

[University of London Careers Service](#)

Helpsheets offering detailed advice and tips about CVs, covering letters, interviews, and applying on-line can be viewed on these web pages.

[University of Reading Careers Advisory Service](#) (Go to: University staff > Career management skills)

An on-line assessed Career Management Skills program has been developed for Reading students that takes them through self-assessment, understanding career options related to specific degree subjects, labour market trends, and applications and interviews. It is available for purchase and use by staff in other higher education institutions.

[University of Strathclyde Careers Service](#)

This website "Guide to Jobsearch on the Internet" has a section on "electronic applications and CVs".

W

[Widening Participation: an issue for institutions and bioscience units](#)

These web pages contain extensive information about widening participation issues for bioscience teachers.

[WINDMILLS](#)

The Windmills program that provides strategies to help students identify the skills and attributes they have and also to find out about the availability of jobs.

[Windsor Fellowship](#)

The Windsor Fellowship helps ethnic minority people to become leaders in the workplace and in the community. Black and Asian students can apply for a 2/3 year Fellowship involving a work placement, participation in a community activity, and a personal enhancement programme to develop career-related skills.

[Women in Science Engineering and technology](#)

This website includes a database of women experts in technical fields, searchable by area of work. Each entry resembles an extended CV with details of employment history, areas of expertise, publications and contact details.

[Worklinks](#)

A predominantly web-based resource. It provides numerous links to websites that can offer help, information and opportunities regarding work experience, jobs and career planning.

Working Out? Graduates Early Experiences of the Labour Market (1999) Purcell, K., Pitcher, J. and Simm, C. IER for AGCAS, CSU and DfEE. Manchester: CSU.

This study of the career progress of a large cohort of 1996 graduates includes information about the importance of pre-graduation work experience and other extra-curricular activities in skills development. Data is linked to degree disciplines. Copies of the report are available for purchase from [Prospects](#) website.

[World Careers Network](#)

WCN offers advice, with input from employers and graduates, about CVs, application forms, covering letters, interviews and assessment centres.

Y

[York Award](#) The York Award is a certificated programme of transferable skills training and experiential learning, offered by the University of York in partnership with leading public, private and voluntary sector organisations.