



Inclusive Futures: Exploring STEM Careers

Supporting Resources

Careers and Employability Services

February 2024

Contents

General Resources	4
STEM	5
Computing and Communications	5
Engineering and Innovation	5
Design and Innovation	6
Environment, Earth and Ecosystem Sciences	6
Life, Health and Chemical Sciences	7
Mathematics and Statistics	7
Physical Sciences	8
Labour Market Information	9
Work experience	12
Confidence	12
Barriers	13
Overcoming barriers	13
Age/Returners	13
Caring	15
Disability	15

Equality and diversity support	15
Mental health	15
Confidence	15
Redundancy	15
Criminal record	16

General Resources

- [Careers section of the Help Centre](#)
- Use the [Navigate Your Future activity pathway](#) to help you make sense of where you are in your career journey, set goals and work out your next steps.
- [3-minute careers check-in](#)
- [Your Career Planning Guide](#)
- [Your journey starts here \(open.ac.uk\)](#)
- Find the latest opportunities and follow your favourite employers with [OpportunityHub](#).
- Use the interactive careers tools including [CV Builder](#)
- Use [Interview 360](#) to practice your interview techniques
- [Careers consultations | Help Centre | The Open University](#)
- [Career Readiness Pulse online tool](#)
- [How do I become a...? webpage](#)
- [Choosing a career that suits you](#)
- [Subjects and qualifications \(open.ac.uk\)](#)
- [Graduate Careers with Any Degree](#)
- [Networking for your career | Help Centre | The Open University](#)
- [Build your future with career confidence: Successfully dealing with career challenges | Help Centre | The Open University](#)

STEM

Computing and Communications

[CES Intro for Computing & Communications - YouTube](#)

Find customised careers and employability content under the Succeed tab of your Study Home Site: [Computing and IT](#)

- [Careers advice and support](#)
- [Examples of job roles](#)
- [Work Experience, internships and additional skills](#)
- [What do employers want?](#) Including short IT job family videos.
- [Professional bodies and accreditation](#)
- [FutureYOU on your Study Home Site](#)

Engineering and Innovation

[CES Intro for Engineering and Innovation - YouTube](#)

Find customised careers and employability content under the Succeed Tab of your Study Home Site: [Engineering](#)

- [Career Options](#)
- [Work Experience for Engineers Webinar](#)
- [Engineers Wall – Profiles](#) – 8 engineers tell us about their job and why they love being an engineer
- [Engineers Wall – Q&A](#) – advice and information from 8 engineers on their sector, getting started and what sorts of projects you could be involved with as an engineer

- [Networking for your engineering career – The Role of Professional Institutions in your Engineering Career](#)
- [FutureYOU on your study home site](#)

Design and Innovation

Find customised careers and employability content under the Succeed Tab of your Study Home Site: [Design](#)

- [Careers and Employment](#)
- [FutureYOU on your study home site](#)
- [Working for yourself as a designer](#)
- [Design Skills and Portfolio](#)

OpenLearn Courses:

- [Starting a small business](#)
- [Entrepreneurship from Ideas to Reality](#)

Additional information of interest:

- [Research and academic careers information pages](#)

Environment, Earth and Ecosystem Sciences

[CES Intro for Environment, Earth and Ecosystem Sciences – YouTube](#)

Find customised careers and employability content under the Succeed tab of your Study Home Sites: [Environment and Science](#)

- [Your career and employability skills](#)
- [Employability Skills](#)
- [Environment Agency Insights Meeting Recording](#)
- [Work experience & developing practical skills](#)

- [Practical work experience for careers linked to science' booklet](#)

FutureYOU on your Study Home Site:

- [FutureYOU - Environment](#)
- [FutureYOU - Science](#)

Life, Health and Chemical Sciences

[CES Intro for Life, Health and Chemical Sciences - YouTube](#)

Customised careers and employability content under the Succeed of your Study

Home Site: [Science](#)

- [Health Sciences careers resources](#)
- [What do employers want?](#)
- [Work experience, practical skills & developing expertise](#)
- [Practical work experience for careers linked to science' booklet](#)
- [Professional bodies and accreditation](#)

FutureYOU on your Study Home Site:

- [FutureYOU - Science](#)
- [FutureYOU - Open Qualifications](#)

Mathematics and Statistics

[CES Intro for Mathematics and Statistics - YouTube](#)

Find customised careers and employability content under the Succeed tab of your Study Home Site: [Mathematics and Statistics](#)

- [Careers and employability in M&S](#)

- [Career options](#)
- [What employers want](#)
- [Student stories](#)
- [Mathematics Education – Module choice video](#)

A Careers and Employability forum under the Connect tab of your Study Home Site:

[Careers and Employability in maths and stats](#)

[FutureYOU](#) on Maths and Stats Study Home Site

Physical Sciences

[CES Intro for School of Physical Sciences – YouTube](#)

Your customised careers and employability content under the Succeed Tab of your Study Home Site: [Physics, Astronomy and Planetary Science](#)

- [Physics Careers](#)
- [Astronomy and Planetary Science Careers](#)
- [Work Experience and Internships](#)
- [FutureYOU on your study home site](#)
- [The Final Frontier – Careers Forum in the Physical Sciences](#)

Additional information of interest:

[Research and academic careers information pages](#)

Labour Market Information

Links to help you find out more about STEM career landscapes in your area, offering industry trends and insights into key sectors. Helping you to navigate the job market, discover opportunities and growth sectors, and plan next steps.

UK

- [Industry Reports](#)
- [LMI tool](#)
- [OpportunityHub](#)
- [OpenLearn course – Guide to labour market information](#)

International

- [World Employment Confederation – Europe](#)
- [International Labour Organization](#)
- [Prospects – Working Abroad](#)
- [International job search resources](#)

Northern Ireland

- [Skills in demand](#) – Provides an overview of skills needed and LMI for Northern Ireland
- [Northern Ireland Careers occupational information](#) – List of information bulletins including STEM careers

[Careers Occupational Information Unit bulletin – Software Careers](#)

- [Cyber Security careers – a young person's guide](#)
- [Careers Occupational Information Unit bulletin – Life Sciences](#)
- [Careers Occupational Information Unit bulletin – Data Careers](#)
- [Careers Occupational Information Unit – Spotlight on Maths](#)
- [Careers Occupational Information Unit bulletin – Spotlight on Physics](#)
- [Nidirect.gov.uk – Assured Skills Academies](#) If you're unemployed, under-employed, or want to change career, then assured skills pre-employment training can help you. People who have previously taken part in academies have secured full-time jobs in areas such as: cyber security; data analytics; financial services and software development

Republic of Ireland

- [Women in STEM Ireland: Statistics and Key Findings](#)
- [STEM Education Policy](#)
- [Smart Futures – STEM](#)
- [Silicon Republic news article](#) – 6 resources every Irish-based STEM graduate should know about

Scotland

- [Skills Development Scotland – Digital Economy Skills Action Plan 2023-2028](#)
- [Skills Development Scotland – Climate Emergency Skills Action Plan 2020-2025](#)
- [SDS Sector Skills Assessment – Construction](#)
- [SDS Sector Skills Assessment – Digital Technologies](#)

- [SDS Sector Skills Assessment – Engineering](#)
- [SDS Sector Skills Assessment – Energy](#)
- [SDS Sector Skills Assessment – Life and Chemical Sciences](#)
- [SDS Data Matrix, by local authority and region](#)
- [ScotlandIS – Technology Industry Survey 2022](#)
- [National Grid Net Zero Energy Workforce Report](#)
- [Equate Scotland – Scotland's national expert on gender equality in STEM – jobs, events, career clinics and more for women working in and studying STEM](#)
- [Women in Science and Engineering – Updated Workforce Statistics – March 2023 – WISE \(wisecampaign.org.uk\)](#)
- [Scottish Renewables – Careers](#)
- [Chartered Institute for Ecology and Environmental Management – Green Jobs for Nature Guide](#)
- [NatureScot](#)
- [Green Careers Hub – Regional View](#)
- [Scottish Life Sciences Association](#)
- [Life Sciences Scotland – life science company directory](#)
- [Scottish Alliance for the Chemical Services](#)

Wales

- [Overview of target key sectors in Wales Key Sectors | Trade & Investment | Wales \(tradeandinvest.wales\)](#)
- [Careers Wales ‘spotlight’ on key growing industries and skills needed:](#)
- [IT: IT jobs and skills in Wales – February 22 \(gov.wales\)](#)

- [Construction: The Construction Industry in Wales \(gov.wales\)](#)
- [Digital Economy: The Digital Economy – May 2022 \(gov.wales\)](#)
- [Green economy: Green economy in Wales – November 2021 \(gov.wales\)](#)
- [Overview of LMI in Wales](#)
- [Labour Market Information | Careers Wales \(gov.wales\)](#)
- [Specific job/industry information for roles in Wales: Subjects | Job Information \(gov.wales\)](#)

Work experience

- [Practical work experience for careers linked to science PDF](#)
- [Work experience matters webinar](#)
- [Work experience webpage](#)
- [Work experience for engineers](#)
- [Finding flexible work experience webinar](#)
- [Source your own internship in five steps webpage](#)
- [All you need to know about internships webpage](#)

Confidence

- [Volunteering to build your career confidence webinar](#)
- [Networking top tips webpage](#)
- [Networking woes to networking pro webinar](#)
- [Networking webpage](#)
- [Hashi Mohamed: From refugee to barrister: on confidence and navigation podcast](#)

- [How to grow your confidence webinar](#)
- [CareerCast podcast series](#)
- [Build your future with career confidence | Help Centre | The Open University](#)

Barriers

- [Sean's top tips for smashing careers barriers blog post](#)
- [Developing career resilience OpenLearn course](#)
- [Managing your career alongside caring webinar](#)
- [Reviewing your career options after module results webpage](#)
- [Explaining a disability when applying for jobs webpage](#)
- [Disclosing a criminal record when applying for jobs webpage](#)
- [Job seeking and working with a speech impairment webinar](#)
- [Age is just a number podcast](#)

Overcoming barriers

Age/Returners

- [Age is just a number podcast](#)
- [Webpage on age](#)
- [Returning to STEM free Openlearn course](#)
- [Reboot your STEM career](#) interactive toolkit to help you relaunch your career and navigate your way back into the world of STEM
- [STEM Returners](#)

Caring

- [Managing your career alongside caring webinar](#)
- [Careers for carers and welcoming workplaces panel event](#)

Disability

- [Webpage on disability, reasonable adjustments, access to work](#)
- [Explaining your disability when applying for jobs](#)
- [Enable Science](#)

Equality and diversity support

- [Equality and diversity in the workplace webpage](#)
- [Section 5 of Your Career Planning Guide](#)
- [BB STEM \(Black British Professionals in STEM\)](#)
- [STEM Women](#)

Mental health

- [Mental Health in the Workplace Panel Recording](#)

Confidence

- [Build your future with career confidence](#)
- [How to grow your confidence webinar](#)

Redundancy

- [Redundancy – your next steps](#)
- [Reframing redundancy podcast series](#)

Criminal record

- [Disclosing a criminal record: if, what, when and how webinar](#)



