

Integrated Energy Systems in the Built Environment

Six-week Online Skills Development Course – Fully Funded Pilot

Join us for a highly engaging fully funded six-week online course to develop your skills and understanding around the built environment and integrated sustainable energy systems, including wind, solar and heat pumps.

If you are interested in exploring green careers or are already working in high-growth-potential sectors (such as construction; renewable energy; engineering; architecture) in Cornwall and the Isles of Scilly, this designer-level professional development course is for you!

Supported by academic experts within the *University of Exeter Engineering* and the *University of Exeter Business Schools*, with industry partners including *Planet A Solutions*, this course will help you develop the skills and knowledge needed for sustainable high value green skills careers across the renewable energy sector.

Alongside developing new professional knowledge and skills, the course will be a valuable networking opportunity to extend your professional connections in Cornwall and the Isles of Scilly. We will also signpost you towards further skills development opportunities and support.

How to Apply

Please complete our [registration form](#).

Please register your interest by submitting the form linked above. Places on this course are limited and offered to eligible Cornish residents on a first come basis. Once submitted we will assess your information and confirm if a fully funded place will be offered to you.

Course Overview

Dates: 4th November – 13th December 2024

Teaching Methods: This is a fully remote course that will involve live webinars with expert guest speakers; recorded teaching sessions, remote seminars with your fellow learners, and short tasks and assessments to solidify your learning. The course has been designed to be flexible wherever possible. Live sessions are recorded, giving the chance to catch-up afterwards, however these live remote sessions are an intrinsically valuable part of the course. **We would encourage you to join live if you can.** Please find further information below.

Teaching Locations: Live remote sessions will be delivered via Zoom. Self-directed learning and tasks (such as short, multiple-choice quizzes) will be accessed via an online learning platform. Recordings of all live sessions will also be provided here for catch up.

Course Structure

This course is delivered over six weeks (one module per week).

Course content will be released each week, on Friday, after the Review Session for the previous week has taken place.

It is recommended for delegates to allocate 2 hours between Friday evening and Tuesday for remote learning prior to live sessions taking place later in the week. Additional live sessions accompanied by guest experts will be scheduled at least one week in advance, with review sessions taking place on Fridays between 12:00 & 13:00.

Further information on each module can be found below:

Module 1 ***Sustainable Leadership*** **Topics:** *Circular Economy, Social Enterprise, B Corp*

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 8 th November 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform

Module 2 ***Planning for Change*** **Topics:** *Climate Emergency, Sustainability in Construction, Renewable Energy, Biodiversity Net Gain*

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 15 th November 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform

Module 3 ***Introduction to Integrated Fabric Design*** **Topics:** *U Values & Material Considerations, Infrared Thermography, Airtightness & Heat Delivery*

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 22 nd November 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up: any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform



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Module 4 **Renewable Energy Systems**
Integration: Heat Pumps

Topics:
Centralised heating Systems, Newbuild Smart Homes, Heat Networks, Boreholes & Slinky Arrangements

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 29 th November 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up: any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform

Module 5 **Renewable Energy Systems**
Integration: Solar Power

Topics: *Harnessing solar energy, Panel Choice, In roof / On Roof, BIPV, Orientation, Suitable Roof Space, Shading, String Designs*

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 6 th December 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up: any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform

Module 6 **Designing for Retrofit**

Topics: *Designing for Change, Energy Impact & Heat Delivery in Retrofit, Market Solutions & Retrofit Building Standards*

Remote Learning:	Online anytime	Films available via the online learning platform
Review Session:	Friday 13 th December 2024, 12:00 – 13:00	Live: remote (Zoom) Catch-up any time via the online learning platform
Guest Expert Session:	Dates and Times to be confirmed.	Live: remote (Zoom) Catch-up any time via the online learning platform

Eligibility & Paperwork

You will be asked to submit eligibility information and sign project paperwork prior to the course. This is a requirement of our funder and your assistance is greatly appreciated.

UK Subsidy Control

The UK Subsidy Aid financial assistance attributed to engagement with this activity is valued at £1200 per learner. UK Subsidy Aid (government state aid as defined at Section 2 of the Subsidy Control Act 2022) will apply if you are accessing this training through your employer or your own business that is an eligible economic entity operating in Cornwall and the Isles of Scilly. Relevant business representatives will be required to sign paperwork confirming UK Subsidy Aid financial assistance attributed to this engagement prior to acceptance onto the course.

To satisfy Subsidy Control law, the award will be made on the basis of the "Minimum Financial Assistance" provision ("MFA"), as set out in Section 36 of the Subsidy Control Act 2022. This allows a business to receive up to £315,000 of subsidy over a rolling three-tax year period (including the current one). The threshold takes account of awards of all MFA awarded in the three-year period.



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GOOD
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CORNWALL & ISLES OF SCILLY
SHARED PROSPERITY FUND

About the Project

The Future is Green

This course is delivered by the University of Exeter under *The Future is Green* project, a collaborative research project that delivers skills development courses and programmes to individuals across Cornwall and the Isles of Scilly. The project aim is to support the development of skills needed for the future green economy. The project is led by The Cornwall College Group in collaboration with 8 highly experienced delivery partners, including the University of Exeter. The project runs from January 2024 to March 2025.

Funding Statement

This project is part-funded by the UK Government through the UK Shared Prosperity Fund. Cornwall Council has been chosen by Government as a Lead Authority for the fund and is responsible for monitoring the progress of projects funded through the UK Shared Prosperity Fund in Cornwall and the Isles of Scilly.

General Data Protection Regulation

The information you provide to *The Future is Green* project is a mandatory requirement of the support you receive as part of this project. Data will be shared with the Lead Partner (The Cornwall College Group), Cornwall Council, Ministry of Housing, Communities and Local Government (MHCLG), and their data processors/project evaluators. Your personal data will be anonymised for reporting purposes. All documentary evidence will be retained for seven years (until March 31st 2032) following project completion according to SPF requirements. Data will never be used or shared for commercial or marketing purposes. All data, whether electronic or hard copy, will always be stored securely and nobody will have access to it who shouldn't.

More information on the University of Exeter's privacy policies can be found here

www.exeter.ac.uk/about/oursite/privacy/iib/

For more information on the Growth Hub's privacy policy, please see here www.ciosgrowthhub.com/privacy

Equality & Diversity

The University of Exeter has an Equality & Diversity Policy and are committed to fair treatment for all regardless of sex, gender identity, sexual orientation, religion, age, marital status, family structure, race, nationality, ethnicity, health, values, social-economic differences, disability, belief, culture, political view. More information on the University of Exeter's Equality & Diversity policies can be found here

www.exeter.ac.uk/departments/inclusion/visionandpolicies/policies

Contact

Email: green.skills@exeter.ac.uk Website: sites.exeter.ac.uk/greenskills Links: <https://linktr.ee/green.skills>