



Swindon & Wiltshire
LOCAL ENTERPRISE PARTNERSHIP

Greening Existing Jobs

Skills & Talent Subgroup - 12th January 2022



Why should we make existing jobs greener?

- Necessary to meet the Government's 2050 net zero ambitions
- Necessary to help businesses meet their net zero ambitions
- Equip workers with transferrable green skills



How can we turn existing jobs green?



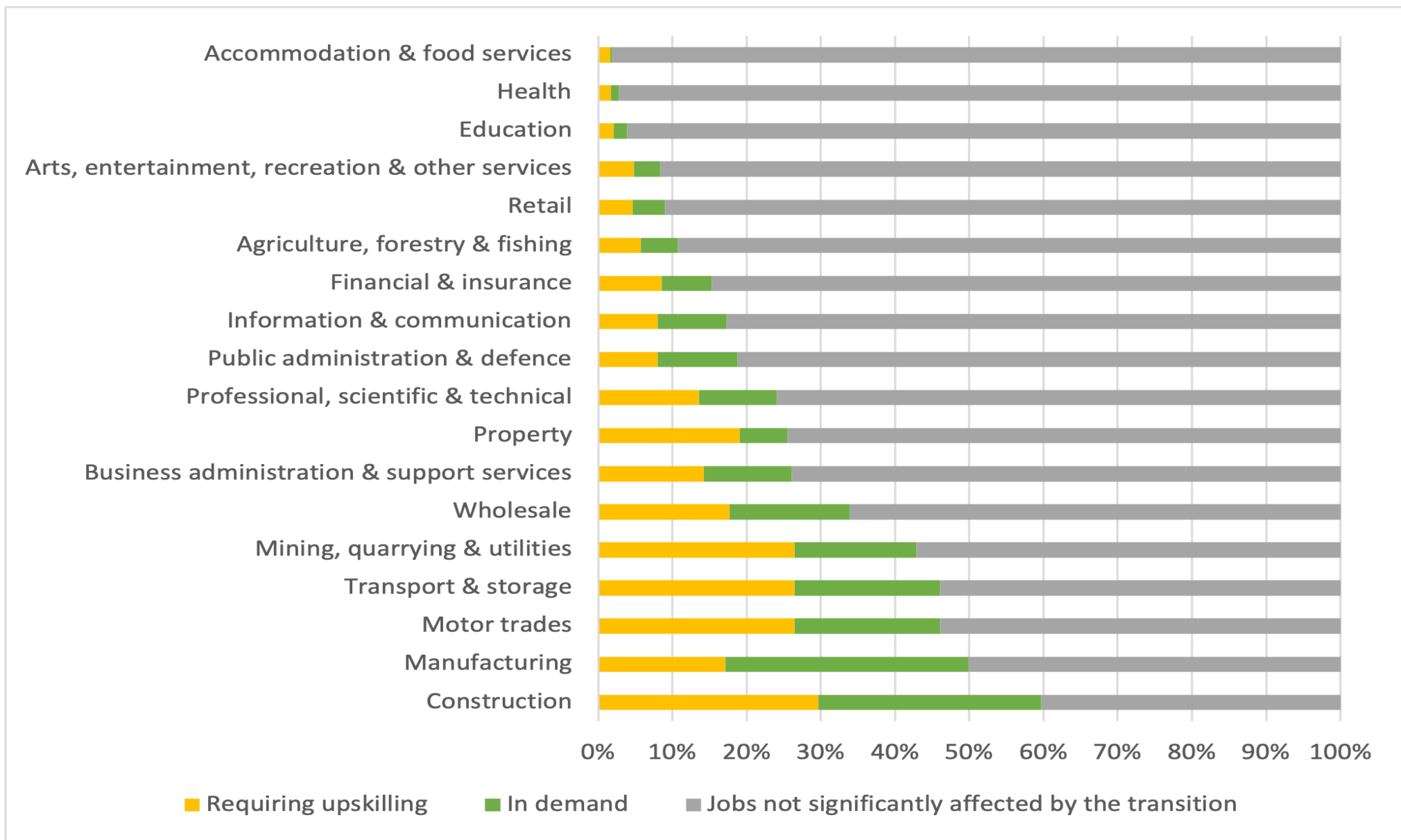
Staff can come up
with ideas on how
to make their jobs
greener



Training will
be needed to
enable this



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Jobs requiring upskilling, jobs in demand, and jobs not significantly affected by the transition, by sector



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The current Green Skills offer

Fully funded qualifications available at Level 2 to Level 3

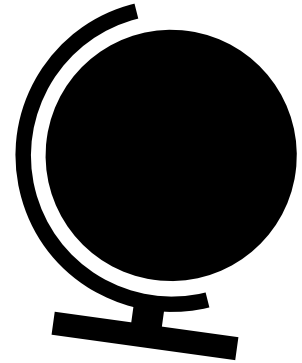
- Environmental Awareness and Sustainability in Construction
- Installing support systems for green roofs in the workplace
- Agri-Tech in dairy, diagnostics, livestock and woodland management
- Green transport and logistics
- Electrotechnical and vehicle electrification
- Land grab' an environmental issue
- Why sustainable energy matters
- Understanding the environment: problems with the way we think
- Test kits for water analysis



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Relevant degrees to help the planet

- Global Sustainable Development - Warwick University
- Climate Change at Greenwich University
- Renewable Energy at Exeter University
- Civil and Environmental Engineering at Cardiff University
- Sustainable Food Production and Land Use
- University of Bristol has a sustainability programme
- University of Bath Masters in Sustainability and Management



Apprenticeships

Enhancing Current
Apprenticeships

Creating New
Apprenticeships

current green apprenticeships

Sustainability business
specialist

Ecologist

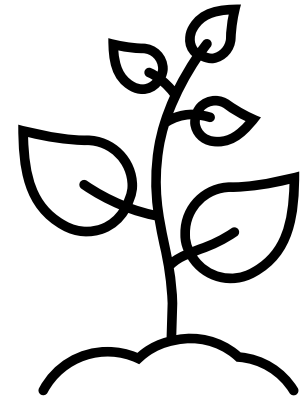
Environmental practitioner



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Green Jobs Taskforce

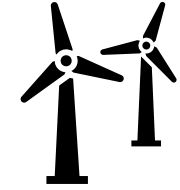
- The skills needed to drive a green recovery from the COVID-19 pandemic
- The skills needed to reach net zero greenhouse gas emissions by 2050
- How the UK can ensure green jobs are good jobs, and open to all
- How workers in high carbon-sectors can be supported to transition to the new green economy.





The conclusion reached by this assessment of the evidence is that, if the UK is to grasp the opportunities afforded by a green industrial revolution, we must develop a comprehensive and holistic view of the green jobs and skills challenge.

Wind Turbine Technician Pathways



- **A university course**
- **A college course**
- **An apprenticeship**
- **Applying directly**

University

foundation degree, higher national diploma or degree in:

- Renewable energy engineering
- Electrical or mechanical engineering
- Electrical power engineering

Entry requirements

You'll usually need:

- 1 or 2 A levels, or equivalent, for a foundation degree or higher national diploma
- 2 to 3 A levels, or equivalent, for a degree

College

You can do a college course, which can help you to get a trainee job with a wind turbine engineering company. Courses include:

- Level 3 Certificate in Mechanical or Electrical Engineering
- Level 3 Diploma in Maintenance Engineering Technology

Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English, maths and science



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Apprenticeship

You can do an engineering technician, or maintenance and operations engineering technician, advanced apprenticeship.

You can also complete a higher apprenticeship in manufacturing engineering:

- Wind Generation.

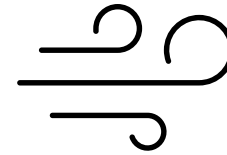
Entry requirements

You'll usually need:

- 5 GCSEs at grades 9 to 4 (A* to C), or equivalent, including English and maths, for an advanced apprenticeship
- 4 or 5 GCSEs at grades 9 to 4 (A* to C) and A levels, or equivalent, for a higher or degree apprenticeship

Direct application

You can apply directly for jobs if you've got qualifications and experience in electrical or mechanical engineering from another industry, or from the armed forces.



Requirements and restrictions

You'll need to:

- You'll also need [safety training](#) to work on wind turbines. This could include sea survival if you're working offshore. Employers will advise you on what's required.
- Pass [background checks](#)
- Have a full driving licence



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Recommended resources

Green Taskforce Report

https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/1003570/gjtf-report.pdf

Institute for Apprenticeships Podcast

<https://apprenticeships.blog.gov.uk/2021/06/05/the-institute-talks-about-green-apprenticeships/>

Climate Action Network's Just Transition Jobs Tracker

<https://pcancities.org.uk/tracking-local-employment-green-economy-pcan-just-transition-jobs-tracker>