LEVEL 3

Skills Bootcamp in the Principles of Carbon Capture and Storage

START DATE	DURATION	LEVEL	STUDY MODE	AWARDING BODY	COST
Flexible	60 Guided Learning Hours	Level 3	Day release / Block release	Pearson	Contact us for course fees

This brand-new course in Carbon Capture and Storage is the first-of-its-kind and is designed to provide learners with the higher-technical skills and knowledge to operate this climate-saving technology. Carbon Capture is a cutting-edge decarbonisation technology that will help to successfully create a green economy and improve sustainability.

Skills Bootcamps are funded by the Department for Education and are an integral part of the Government's Skills for Life strategy. The York & North Yorkshire Local Enterprise Partnership supports the roll out of Skills Bootcamps across the entire region it serves.

Why study this course?

The programme aims to deliver and develop learners core skills and knowledge on Carbon Capture and Storage. These are acquired skills which are at the forefront of cutting edge of technology and practice, which are likely to be in high demand in the future.

The programme has been designed and developed with Drax and has been successfully piloted with a number of their staff.

The course will be delivered one day a week over 5 weeks in the classroom, with a mixture of theory and online immersive learning.

Next course dates:

Day 1 - 30th October (online introduction via MS teams)

Subsequent days – practical learning in our decarbonisation laboratory at Selby College:

Day 2 – 6th November

Day 3 – 13th November

Day 4 – 20th November

Day 5 – 27th November

Online learning modules completed during and after the above dates.

What will I study?

The course will cover the main types of Carbon separation processes, including:

- Heat recovery
- Adsorption
- Heat exchangers
- Heat pumps
- Plus much more

While the programme will have coverage on Adsorption, providing learners with an overview and understanding of the main processes and what is involved. The course will also cover:

- General Heat recovery identification and solutions
- The application and use of heat exchangers
- The application and use of heat pumps (both Air and Ground source)
- Commercial, logistic and environmental issues
- Specification and installation techniques
- Maintenance and fault finding

What can I do after this course?

Completing the training can result in increased responsibilities within an existing role or open up opportunities for a new role.

For employers enrolling their employees onto the course, this will enable them to implement Carbon Capture projects within their business or to adapt the technology and learning for other applications. In turn, this will create new roles, responsibilities and opportunities for their staff.

Entry requirements

This course is available to the employed, self-employed and job seekers. Learners will need some experience and knowledge of Engineering and are also required to have an Entry Level maths qualification as a minimum.

Assessment

Learners are required to produce a research presentation which will be topic specific and suitable for the intended audience, in line with the Pearson Research Project. Learners are also required to submit calculations after looking into worked examples in the classroom.

Grades will be calculated in the common Level 4 format of Fail, Pass, Merit or Distinction.

Visit this course on our website: https://www.selby.ac.uk/courses/principles-carbon-capture-and-storage--level-3

For further information please contact the college: https://www.selby.ac.uk/contact

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