Skills Bootcamp in Heat Recovery and Transfer

This innovative course in Heat Recovery and Transfer is designed to provide learners with the higher technical skills and knowledge to implement heat recovery solutions in a range of settings.

Benefits of Studying Heat Recovery and Transfer

- Learn how to scope and specify a heat recovery transfer system for your business or home
- Be at the forefront of new and emerging green technologies
- Understand how heat recovery technology can reduce energy costs

What will the course cover?

✔ Heat, energy and thermo-dynamics
✔ Heat recovery technologies
✔ Scoping and specification of heat recovery and transfer systems
✔ How to use technology to reduce energy cost and emissions

Plus much more...

What can I do after this course?

Completion can result in increased responsibilities within an existing job role or open up opportunities for a new role. Employers enrolling their employees on to the course will be able to implement heat recovery and transfer projects within their business or adapt the technology and learning for other applications. Homeowners could implement simple heat recovery systems in their property.

How will the course be delivered?

Delivered within Selby College's brand-new Institute of Technology de-carbonisation laboratory, learners will have the opportunity to use cutting-edge technology and training rigs. The course will be delivered one day a week over five weeks in the classroom, with a mixture of theory and online immersive learning.

Heart of Yorkshire Education Group

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York and North Yorkshire Combined Authority

What is heat recovery and transfer?

Heat recovery and transfer is the practice of capturing heat from a source and making use of it in another place or for another process. This could be capturing the heat from a factory production line and using it to heat the factory offices or transferring heat from a furnace and using it to increase the efficiency of a heat pump. Various technologies, systems and methods can be used to capture and transfer heat.

How do we recreate this process?

At Selby College, we have various training rigs which simulate the technology and processes used in heat recovery and transfer. By using rigs which mimic real-world methods, learners are able to carry out experiments and generate data on the efficiency of these methods and scope how successfully a solution could be implemented in their particular industry, business or property.

How can heat recovery and transfer solutions be applied?

Many businesses and homes could make use of simple heat recovery solutions to reduce emissions and energy consumption. Making better use of heat that is produced anyway is going to play a key part in the UK meeting net-zero targets. Whilst much of the technology used in heat recovery has existed for some time, using it in a systematic way to save energy, reduce cost and create efficiencies is new but starting to gain traction. For example, there are plans underway in the UK to build data centres linked to community swimming pools – the pool gets heated and in return, the data centre is cooled.

Benefits of using heat recovery and transfer in industry or the home:

- Save on energy costs
- Reduce emissions
- Get ahead of future net-zero regulations

If you are interested in putting your employees forward for this course, contact our Employer Engagement Team on **01924 789416** or at **employerengagement@heartofyorkshire.ac.uk**

Scan our QR code here to find out more about the course