

# LEVEL 3 AWARD IN HEAT PUMP SYSTEMS (NON-REFRIGERANT CIRCUITS)

Subject Area

Student Type

Study Mode

Construction &  
Construction Trades

Adults

Part Time

## What is the course about?

This course provides training in the design, installation, commissioning, maintenance, and fault diagnosis of heat pump systems (non-refrigerant circuits).

It focuses on the “wet side” of heat pump systems, including hydraulic systems, emitters, and controls. This means you will gain practical skills working on real renewable heating systems used in domestic and commercial settings.

## Why should I choose the course?

This qualification is aimed at those already working in the plumbing and domestic heating industry who want to develop their existing skills.

It is designed for CPD (updating occupational competence) and expanding your range of work within renewable technologies.

## What will I learn?

You will learn how to:

- Plan, size, and select heat pump systems
- Install and commission systems
- Understand system design, efficiency, and controls
- Carry out maintenance, servicing, and fault diagnosis

You will also develop hands-on skills connecting heat pumps to radiators, underfloor heating, and hot water systems in realistic training environments.

## What will the course lead on to?

This qualification is:


- A minimum requirement for MCS recognition for heat pump installers
- Part of a suite of renewable heating qualifications
- Supportive of progression into full heat pump installer status within the renewable sector.



**Warrington  
& Vale Royal  
College**

Warrington Campus  
Winwick Rd, Warrington WA2 8QA

 [wvr.ac.uk](http://wvr.ac.uk)

 01925 494 494

Winsford campus  
Weaver St, Winsford CW7 4AH

 [learner.services@wvr.ac.uk](mailto:learner.services@wvr.ac.uk)

# Are there any links with industry and university?

The qualification directly aligns with industry standards and supports entry into recognised schemes such as MCS for renewable installers.

## What support is available?

We have a team of staff dedicated to providing learning support if required, as well as a Wellbeing Team that is on hand to offer guidance, support and help when needed. Additionally, eligible students can access a wide range of finance and funding support to help them during their time at college.

Click here for learning support: <https://wvr.ac.uk/college-life/learning-support>

Click here for finance support: <https://wvr.ac.uk/college-life/financial-support>

## Why should I choose to study the course at Warrington & Vale Royal College?

Hands-on training using industry-standard heat pump systems Expert tutor support for both practical assessments and online exams Realistic environments to reflect real installation scenarios in the field.

## What are the entry requirements?

To enrol on this course, you must:

- Be 19 years or over
- Hold a Level 2/3 NVQ Plumbing or Heating qualification (or equivalent)
- Hold Water Regulations certification (WRAS or equivalent)

These qualifications are designed for qualified or experienced heating engineers, not beginners.

## What are my funding options?

For more information about financial support, please visit: <https://wvr.ac.uk/college-life/financial-support>

For personalised advice on funding, please contact our Learner Services Team on 01925 494 400 or email [learner.services@wvr.ac.uk](mailto:learner.services@wvr.ac.uk).

## Are there any additional costs associated with the course?

There are no additional costs associated with this course.



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