

# Engineering

## Level 3- Apprenticeship Plate Welder

**Campus:** North Notts College - Worksop Campus

**Code:** NFEEN005

### About This Course

The broad purpose of the occupation is to manually weld plate and structural components to high standards of quality. This will involve fabrication, construction or repair of fabricated plate assemblies, extrusions and structural components.

Plate welding contributes to the UK economy through the fabrication, construction and upgrade of major infrastructure projects, defence assets and exported goods. Plate welders are employed by the supply chain organisations or the direct owner/operator.

### What Will I Study?

#### Diploma in Engineering (L2)

- Complying with Health and safety
- Working effectively and efficiently

- Communication technical information
- Four or more optional units (these can be selected to meet the student's needs)
- Producing hand fitting component
- Preparing and using lathes
- Preparing and using milling machines
- Preparing and using semi-automatic MIG, MAG and flux cored arc welding equipment
- Producing CAD Models (Drawings) using a CAD System
- Producing Platework Components and Assemblies
- Cutting and shaping materials using thermal cutting equipment

## National Diploma in Engineering (L3)

- Engineering principles and mathematics
- Apply mathematical and physical science principles
- Develop two-dimensional (2D) detailed drawings and three-dimensional (3D) models using a computer-aided design (CAD) system
- Investigate the operation of common electronic test and measurement devices
- Learn about the design and manufacture of electronic printed circuit boards
- Gain an understanding of commercial engineering, for example key business activities, cost control, quality systems and value management, which is used by engineering organisations to create value.
- Measure and test analogue and digital circuits to diagnose faults.
- Solve electrical-, electronic- and mechanical-based engineering problems
- Health and safety, team work and interpreting and creating computer-aided engineering drawings
- Design and manufacture of products
- Commercial principles and understanding and application of quality systems.

## How To Apply

You can apply using our online application form and clicking the **Apply** button at the top of this page.

For more information support with your enquiry or application please contact Student Services by emailing [contact@nnc.ac.uk](mailto:contact@nnc.ac.uk) [mailto:contact@nnc.ac.uk] or by calling **01909 504500**.

## Tuition Fees

Those aged 19 or over may not need to pay fees depending on their circumstances. Find out if you qualify for help with your fees [<https://www.nnc.ac.uk/information/student-support/finance/course-fees/>] . If you need further advice or guidance please contact the Enquiries Team on **01909 504500**.

### **PLEASE NOTE**

We make every effort to ensure information within our online course directory is accurate and a true representation of the courses we are offering in 2024-25. However, we do reserve the right to make changes if necessary.

**Last updated:** 7th September 2024