L3 apprentice Engineering Technician

Welding standard

Welcome to the L3 Diploma as an Advanced Welding Technician course

- The Course is the next step up from a L2 Operator or Technician Qualification
- If you have completed the L2 Operator/technician Course, you may be required to complete up to 4 NVQ 'Bridging Units' to bring you up to the L3 Advanced Welding Technician Standard entry requirements
- This course will help you to improve your working knowledge of Welding theory, as well as improve your practical skills and experience in a workshop environment
- The course is made up of 10 NVQ elements (achieved through your workplace) and 10 Technical elements (achieved through the College day release program)
- You will also be expected to achieve GCSE/Functional Skills to at least a L2 standard if you are required to.

Technical Units Studied as a L3 Machinist Technician
Health and Safety in the Engineering Workplace (Mandatory)
Communications for Engineering Technicians (Mandatory)
Mathematics for Engineering Technicians (Mandatory)
Engineering Project
Properties and Applications of Engineering Materials
Computer Aided Design
Welding Principles
Metal Inert Gas Welding
Tungsten Inert Gas Welding
Producing Plate Fabrications

The 3 Core Units are Mandatory and must be completed.

The 7 additional Units have been selected to best match the New Standards for Welding

You will cover a variety of subjects that will test your abilities and prepare you for life as a qualified Welding Technician, as well as provide options for a move into Higher Education should you choose to do so (HNC, Fd eng)

The NVQ element is specifically tailored to your own workplace and will cover aspects of your job that you yourself are involved in. The individual units are agreed between you and your company and are delivered and supported by a dedicated workplace assessor

This will be different for different companies and is designed to give you the in-depth knowledge and skills that will enable you to successfully carry out your job role to the best of your ability, as well as contributing to the New Standards L3 Technician Welding Apprentice program.

Examples Of NVQ units studied in the workplace
Complying with statutory regulations and organizational safety requirements Using and interpreting engineering data and documentation
Working efficiently and effectively in advanced manufacturing and engineering Further more you will be studying other units which will be based on the practical work you undertake at work as well as those further requested by your employer to add to what you are doing in the workplace. For example: Aluminum TIG
Stainless TIG
Thick Plate MIG
Heavy Plate etc

The NVQ element has both written and practical assessments that are undertaken during the two years that this program typically runs for.

You can prepare for this L3 Welding Technician course by:

- Speaking with your current Assessor about the contents and delivery of this course
- Utilizing useful Web based content that is relevant to Advanced Welding techniques
- Watch some videos by “Welding tips and Tricks” on youtube.com for some advanced welding ideas
- Contact the BASE team at The College on 01202 205205

- https://www.thecollege.co.uk/about-us/contact-us

- https://www.thecollege.co.uk/employers/apprenticeship-solutions