



Engineering Apprenticeships

 **RNN** GROUP

Our Engineering Apprenticeships

Our engineering apprenticeships have been designed in collaboration with key engineering employers to ensure they provide the skills, knowledge and behaviours that the industry needs.

The apprentice will be trained by industry experienced, qualified engineers who make sure the technical skills your organisation needs are taught from day one and that each learner is trained to be an effective engineer.

Our purpose built, industry standard facilities are equipped with dedicated workspaces and stocked with a range of tools, material and equipment. In these realistic work environments, our apprentices learn key practical skills needed when on the job.

Our team tailors their delivery approach to suit each learner's needs. This includes working at an individualised pace which challenges the apprentices but ensures they are not out of their depth. We also make sure mistakes and bad practice are identified and remedied.

We put every effort into assuring that the employer, RNN Group, the College and the apprentice are on the same page regarding the apprentice's level of skills, knowledge and behaviours throughout their apprenticeship.

Our Work-based Tutors visit your site regularly to ensure apprentices are receiving tailored training around each employer's specialism.



Engineering

Apprenticeships and Courses

Engineering Operative - Mechanical Level 2 (24 months)

Course Overview

Engineering Operatives are predominantly involved in engineering operations which are key to the success of the Manufacturing and Engineering sector. The role covers a wide range of common and job specific skills sets that can be transferred across the manufacturing engineering industry sectors during the course of their careers.

As an employee of your company, your apprentice will gain a vast knowledge and applied experience within the engineering industry through their working experience with you.

Course Content

During the apprenticeship, your employee will study and understand the skills, knowledge and competencies for the following mandatory units:

- Complying with Organisations Health and Safety Requirements
- Engineering Environmental Awareness

- Engineering Mathematics and Science Principles
- Fitting and Assembly Techniques
- Manual Turning Techniques
- Understanding Computer Aided Drawings (CAD)
- Working Effectively and Efficiently in an Engineering Environment
- Using and Communicating Technical Information
- Producing Components using Hand Fitting Techniques
- Preparing and Using Lathes for Turning Operations
- Preparing and Using Milling Machines
- Producing CAD Models using a CAD System

Please Note

If your apprentice doesn't hold a GCSE C/4 or above in English and maths, they may also be required to study a Level 1 Functional Skills qualification.

Apprenticeship

Overviews

Mechanical

Level 2 (24 months)

Qualifications	Level 2 Standard in Mechanical Manufacturing Diploma in Engineering Operations - Knowledge and Skills
Suitability	New engineers or those who require fundamental engineering principle training.
Place of Study	Rotherham College or North Notts College.

Engineering Operative - Fabrication and Welding Level 2 (24 months)

Course Overview

Engineering Operatives are predominantly involved in engineering operations which are key to the success of the Manufacturing and Engineering sector. The role covers a wide range of common and job specific skills sets that can be transferred across the manufacturing engineering industry sectors during the course of their careers.

As an employee of your company, your apprentice will gain a vast knowledge and applied experience within the engineering industry through their working experience with you.

Course Content

During the apprenticeship, your employee will study and understand the skills, knowledge and competencies for the following mandatory units:

- Complying with Organisations Health and Safety Requirements
- Engineering Environmental Awareness
- Fabrication and Welding Principles
- Manual Welding Techniques

- Producing Components from Metal Plate
- Thermal Cutting Techniques
- Engineering Maintenance Safety Practices
- Principles of Computer Numerical Control (CNC) Machining/Fabrication
- Working Effectively and Efficiently in an Engineering Environment
- Using and Communicating Technical Information
- Conducting Business Improvement Activities
- Carry out Heat Treatment of Engineering Materials
- General Fabrication and Welding Applications
- Producing Platework Components and Assemblies
- Cutting and Shaping Materials using Thermal Cutting Techniques

Please Note

If your apprentice doesn't hold a GCSE C/4 or above in English and maths, they may also be required to study a Level 1 Functional Skills qualification.

Fabrication and Welding Level 2 (24 months)

Qualifications	Level 2 Standard in Fabrication and Welding Diploma in Engineering Operations - Knowledge and Skills
Suitability	Both new fabricators/welders and those wanting to refresh their skills.
Place of Study	Rotherham College or North Notts College

Training Costs

Costs are dependant on employer size and apprentice age. Speak with your Skills Consultant for further details or call us on 01709 513147.

Engineering

Apprenticeships and Courses

Lean Manufacturing Level 2 (12-18 months)

Course Overview

Lean Manufacturing Operatives will be required to prepare, control, contribute to and complete manufacturing operations, and follow manufacturing processes and standard operating procedures (SOPs) whilst adhering to specific safe working policies and procedures.

They could be required to carry out manufacturing activities on multiple products with different specifications consecutively. They'd be able to use Lean and Business Improvement skills to identify areas for improvement which in turn will help save time and money for their employers.

Course Content

Your Apprentice will gain skills and knowledge in the following competencies:

- Health and Safety
- Environmental Standards
- Production Processes
- Lean Manufacturing Operations
- Quality Control
- Problem Solving Techniques
- Continuous Improvement
- Communication Skills
- Work Place Organisation

Please Note

If your apprentice doesn't hold a GCSE C/4 or above in English and maths, they may also be required to study a Level 1 Functional Skills qualification.

Apprenticeship

Overviews

Lean Manufacturing Level 2 (12-18 months)

Qualifications	Level 2 Standard in Lean Manufacturing Diploma in Engineering Operations - Knowledge and Skills
Suitability	New engineers or those who require fundamental engineering principle training.
Place of Study	Rotherham College or North Notts College.

Maintenance and Operations Engineering Technician

Level 3 (36 months)

Course Overview

Maintenance and Operations Engineering Technicians will maintain the safety, integrity and effective operation of plant and equipment within the engineering sector. To support the business and operational requirements of modern production plant and services, Technicians will need to apply a range of conventional skills and knowledge.

These Technicians will undertake installation, testing, servicing, removal, replacement, maintenance and repair of a range of equipment, sometimes complex, as part of planned preventative and reactive maintenance programmes.

Course Content

During the apprenticeship, your employee will study and understand the following sector specific knowledge and skills:

- Health and Safety in the Engineering Workplace
- Engineering environment awareness
- Engineering mathematics and science principles
- Engineering maintenance techniques
- Fitting and assembly techniques
- Mechanical Principles of Engineering Systems
- Organisational Efficiency and Improvement
- Computer Aided Drafting in Engineering
- Manufacturing Planning

Please Note

If your apprentice doesn't hold a GCSE C/4 or above in English and maths, they may also be required to study a Level 1 Functional Skills qualification.

Maintenance and Operations Engineering Technician

Level 3 (36 months)

Qualifications	Level 3 Standard in Maintenance and Operations Engineering Diploma in Engineering Operations - Knowledge and Skills
Suitability	Both new fabricators/welders and those wanting to refresh their skills.
Place of Study	Rotherham College or North Notts College

Training Costs

Costs are dependant on employer size and apprentice age. Speak with your Skills Consultant for further details or call us on 01709 513147.

Engineering

Apprenticeships and Courses

Plate Welder

Level 3 (36 months)

Course Overview

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.

As an employee of your company, your apprentice will gain a vast knowledge and applied experience within the engineering industry through their working experience with you.

Course Content

During the apprenticeship, your employee will study and understand the skills, knowledge and competencies for the following mandatory units:

- Health and Safety in the Engineering Workplace
- Communications for Engineering Technicians
- Metal Inert Gas, Metal Active Gas (MIG/MAG) Welding
- Properties and application of Engineering Materials
- Computer Aided Design Techniques
- Fabrication and Welding principles
- Pattern Development
- Manual Metal-Arc Welding (MMA)
- Tungsten Inert Gas (TIG) Welding Processed
- Producing Plate Fabrications

Please Note

If your apprentice doesn't hold a GCSE C/4 or above in English and maths, they may also be required to study a Level 2 Functional Skills qualification.

Apprenticeship

Overviews

Plate Welder

Level 3 (36 months)

Qualifications	Level 3 Apprenticeship Standard - Plate Welder Diploma in Engineering Operations - Knowledge and Skills
Suitability	Experienced welder/fabricators looking to develop their skills.
Place of Study	Rotherham College or North Notts College.

Training Costs

Costs are dependant on employer size and apprentice age. Speak with your Skills Consultant for further details or call us on 01709 513147.

Engineering Manufacturing Technician Level 4 (Including Mechanical and Electrical HNC) Higher Apprenticeship (24-48 months)

Course Overview

This occupation is found in all sizes of engineering and manufacturing organisations providing products and services throughout a wide range of sectors, such as Automotive, Aerospace, Chemical Processing, Marine and Materials Manufacturers.

The broad purpose of the occupation is to provide specialist technical support for engineers, so that organisations can develop, produce or test new and existing products, processes, or procedures to meet a customer specification in terms of quality, cost and delivery, as efficiently and effectively as possible.

All apprentices undertaking this apprenticeship must achieve a Higher National Certificate in Engineering. There are two pathways available for this; Electrical or Mechanical.

Course Content

During the apprenticeship, your employee will study and understand the following sector specific knowledge and skills:

- Engineering Mathematics
- Engineering Science
- Materials Properties and Testing
- Engineering Design
- Managing a Professional Engineering Project
- Mechanical/Electrical and Electronic Principles
- Renewable Energy
- Team integration techniques
- Engineering and manufacturing related documentation

Please Note

The HNC is a part of this course and that the listed skills are dependent on the pathway selected - either Electrical or Mechanical. An individual would also have to complete a BTEC as a part of it, unless they already have one.

Engineering Manufacturing Technician Level 4 Higher Apprenticeship (24-48 months)

Qualifications	Level 4 Engineering Manufacturing Technician Apprenticeship Standard. Higher National Certificate in Engineering.
Suitability	Experienced engineers looking to develop higher skills in mechanical or electrical fields.
Place of Study	Rotherham College

Training Costs

Costs are dependant on employer size and apprentice age. Speak with your Skills Consultant for further details or call us on 01709 513147.

What our Current Employers and Apprentices Say

During my time finding an apprenticeship at North Notts college, Chris has been very accommodating and supportive throughout this process. When an apprenticeship came up that I didn't think was suited to me, Chris was more than happy to help me find another, which is the one in which I continue today, 8 months later. Any questions that I had about an apprenticeship, whether it be about pay, hour or even the company that was offering the apprenticeship, there was always a helpful and detailed answer to my question.

Ian and Richard, my lecturers, have also been very supportive throughout my time at the college before and after starting my apprenticeship, firstly helping me to pass my level 2 Engineering course with both the knowledge and skills qualification in only 7 months as I started the course late. They are now helping me to progress through my level 3 course which will complete my apprenticeship.

Apprentice

As a company, we have been trading for 3 years. We have expanded our family business from working in our garage, to having 3 members of staff. We wanted to continue to expand our business and needed to look into recruiting a welder. We were then approached by a friend, Elliot, who lived in Somerset who would like to move up to Rotherham to become a welding apprentice for us. As you can imagine, the thought of getting everything sorted and getting him into a college while he was so far away was daunting. From the beginning, when we approached Chris, he was absolutely amazing. He gave us all the information we needed to begin the process of employing an apprentice, was at the end of the phone if we needed to ask any other questions and understood that we were novices at this stage.

When Chris came out to our workshop to go through the documentation we needed to complete, he was extremely friendly and answered all the questions we had. Chris had been in contact with Elliot on several occasions and went above and beyond to help him with the move to Rotherham, even checking bus times to make sure he would be able to access the college. Since Elliot has started at Dirt Monkey Offroad, I have contacted Chris on several occasions to ask questions, Chris has always been extremely helpful and if he was unable to answer any of my questions, he would always speak to people for us or point us in the right direction to speak to someone.

When we began the thinking about taking on an apprentice, we were very hesitant, as we did not want to get anything wrong with the process. I cannot express how relieved we were to meet Chris who has made this process easy for us and would show us exactly what we needed to do. If we were to take on any more apprentices in the future, Chris would definitely be my first port of call.

Employer



Get In Touch

We match our employer network with hundreds of hardworking apprentices every year.

Our apprenticeship Recruitment Officers are experts when it comes to pairing the right candidate with the right employer. Our team of Skills Consultants can provide a free skills check of your organisation. They will help you take advantage of funding opportunities to maximise your return on investment.

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Please note our phone lines are open 8.30am - 5.00pm Monday to Friday.



**Rotherham College
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RNN GROUP