



**BRITISH
ENGINES**



**Engineering
Apprenticeships**

Prospectus



Once I completed my apprenticeship, I worked on CNC machines for around six months before going into a Design Engineer role. I'm currently training to become a qualified Design Engineer whilst studying for an engineering degree.



APPLY NOW

Corey Hogg Trainee Design Engineer, Michell Bearings



Engineer your future

Gain hands-on experience and get paid as you work towards your qualifications.

As a British Engines Group apprentice, you'll work on a variety of exciting projects while being supported by our friendly and experienced team of engineers. We've trained over 1,000 apprentices since 1966 so you're in safe hands!

What is an apprenticeship?

An apprenticeship brings together on the job training and college based learning. On our engineering apprenticeships, you'll spend four days per week in the business and one day per week at college.

Start earning while you learn

Our engineering apprenticeships offer salaries well above the national apprenticeship wage, with increases every six months until you qualify. Once you're qualified, you could be taken on permanently at one of the group businesses!

About us

A close-up photograph of a young man with short dark hair, smiling broadly. He is wearing clear safety glasses and yellow earplugs. He is dressed in a dark blue polo shirt. The background is a blurred industrial setting, likely a factory or workshop, with various mechanical parts and equipment visible.

British Engines is a leading engineering group with a global presence.

Our eight businesses design and manufacture technology leading products and provide services to a wide range of industries.

The British Engines Group was founded in Newcastle upon Tyne in 1922, building on the region's engineering heritage and local skills base. We now employ over 1,200 people worldwide.

Our businesses are based at various locations across the North East, including St. Peter's, South Shields, Gateshead, Benton, Cramlington, Killingworth and Bishop Auckland. We also have manufacturing facilities in India and offices in 11 countries worldwide.



BEL Engineering



Est. 2012



Newcastle upon Tyne

Subcontract CNC machining services for parts up to 50 tonnes.



BEL Valves



Est. 1964



Newcastle upon Tyne

Designer and manufacturer of subsea, surface and onshore valves and actuators.



CMP Products



Est. 1959



Cramlington

Designer and manufacturer of cable glands, cleats, thread conversion adaptors and reducers.



Michell Bearings



Est. 1920



South Shields

Designer and manufacturer of hydrodynamic bearings.



Rotary Power



Est. 1968



South Shields

Designer and manufacturer of hydraulic pumps and motors.



Stadium Export Services



Est. 1999



Gateshead

Full service packing and shipping solutions.



Stephenson Gobin



Est. 1972



Bishop Auckland

Electromagnetic clutches, brakes and fire safety products.



Tyne Pressure Testing



Est. 2018



Newcastle upon Tyne

Hydrostatic and hyperbaric pressure testing services.

What do we do?

We provide engineering products and services to a range of industries.

Our product range includes hydraulic pumps and motors, subsea valves and actuators, electromagnetic brakes and clutches, cable glands and cleats, hydrodynamic bearings and more!

We also offer a range of specialist services, including subcontract machining, pressure testing and freight forwarding. Our products and services are used around the world across a wide range of industries, including:



Robotics



Renewable Energy



Oil and Gas



Defence



Subsea



Chemical



Hydropower



Aerospace



Construction



Nuclear Power



Data Centres



Agriculture



I originally chose to do a degree in Maths but I didn't really enjoy it because it wasn't hands on, so I dropped out. After doing a bit of research, I decided to apply for an apprenticeship. The highlights so far have included transitioning into a working environment and the amazing support I've received!



Olivia Knox Manufacturing Apprentice, CMP Products



Engineering Apprenticeship

Take the first step towards building your engineering career while gaining hands-on experience and getting paid as you learn.

From manufacturing to design, our North East based engineering apprenticeship covers a range of disciplines, providing endless experiences and opportunities. Our friendly and experienced teams will support you from day one by guiding you through the programme.

The British Engines Apprenticeship+ Scheme is different to other engineering apprenticeships. We're passionate about supporting the next generation of engineering talent, that's why we offer a range of extra experiences to help you develop and learn.

As part of your apprenticeship, you'll learn extra skills, such as offshore survival, and take part in exciting experiences, like working with our off-site teams on a naval submarine. You may also get to complete further qualifications, such as a degree, a HNC or HND in Mechanical Engineering, opening even more career options for your future!

Choose from six different routes...





Machining

As a Manufacturing Apprentice, you'll get to try a range of engineering-based activities to develop the hands-on skills you need to become a manufacturing engineer.

You'll spend your first 20 weeks at TDR Training School before joining one of our businesses. From there, you'll spend four days per week in the factory and attend college one day per week.

What you'll be doing

- ▶ Producing parts using CNC machining
- ▶ Learning the fundamentals of electrical engineering
- ▶ Learning advanced manual turning, milling, drilling, grinding and welding skills
- ▶ Developing hand tooling and sheet metal work skills
- ▶ Measuring and checking parts
- ▶ Carrying out quality checks
- ▶ Quality, Health, Safety and Environment (QHSE) training

Qualifications

- ✓ Level 3 Diploma in Machining

In years 3 and 4 of your apprenticeship, you could get the option to complete a Level 4 HNC Diploma in Mechanical Engineering, followed by a Level 5 HND Diploma in General Engineering or even a degree!

Career progression

- ▶ Manufacturing Engineer
- ▶ Manufacturing Technician
- ▶ Team Leader/Supervisor



Maintenance

4 Years

As a Maintenance Apprentice, you'll support our engineering teams by carrying out maintenance and repair work on a range of industrial machinery.

You'll spend your first 20 weeks at TDR Training School before joining one of our businesses. From there, you'll spend four days per week in the factory and attend college one day per week.

What you'll be doing

- Installing, maintaining and repairing a range of machinery
- Isolating and testing machinery
- Working on electromechanical and process control systems
- Facilities management
- Quality, Health, Safety and Environment (QHSE) training

Qualifications

- ✓ Level 3 Maintenance and Operations Engineering Technician Diploma.

In years 3 and 4 of your apprenticeship, you could get the option to complete a Level 4 HNC Diploma in Electrical and Electronic Engineering, followed by a Level 5 HND Diploma in General Engineering, or even a degree!

Career progression

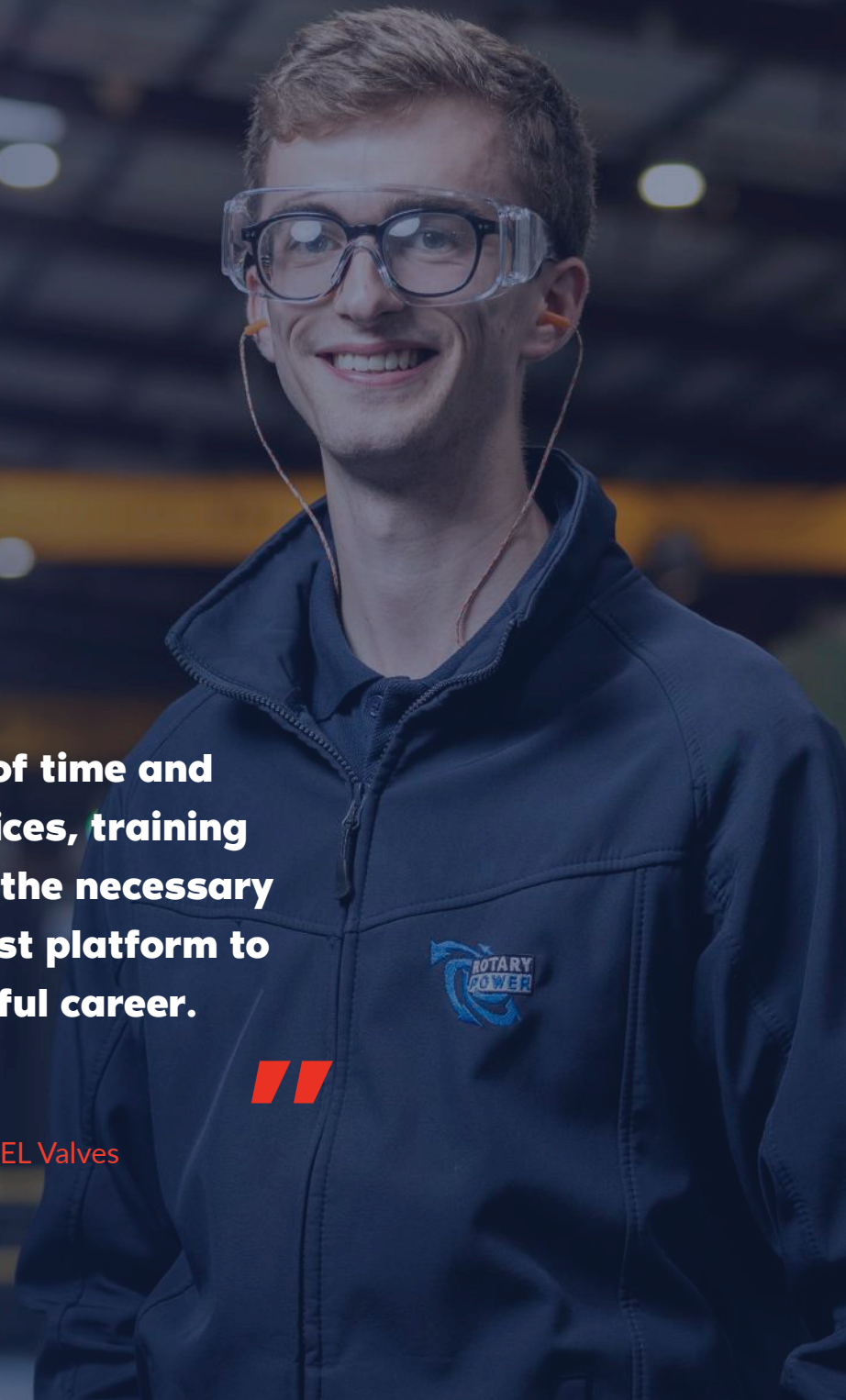
- Engineering Technician
- Maintenance Engineer/Electrician
- Maintenance Manager
- Production Manager/Director



The company puts a lot of time and effort into their apprentices, training them above and beyond the necessary level to give them the best platform to have a long and successful career.



Ben McMullen Finance Apprentice, BEL Valves





Fitting, Assembly & Test

4 Years

As a Fitting, Assembly and Test Apprentice, you'll work with our team of engineers to produce complex, high value parts, making sure they meet our customers' needs.

You'll spend your first 14 weeks at South Tyneside Marine School before joining one of our businesses. From there, you'll spend four days per week in the factory and attend college one day per week.

What you'll be doing

- Assembling and producing parts
- Planning resources, tools and equipment
- Testing and calibrating parts
- Carrying out quality checks
- Installing completed parts
- Quality, Health, Safety and Environment (QHSE) training

Qualifications

- ✓ Level 3 Advanced Manufacturing Engineering Diploma

In years 3 and 4 of your apprenticeship, you could get the option to complete a Level 4 HNC Diploma in Mechanical Engineering, followed by a Level 5 HND Diploma in General Engineering, or even a degree!

Career progression

- Test Engineer
- Production Engineer
- Assembly, Test and Service Technician
- Operational Manager/Supervisor



As a Design Apprentice, you'll learn how to produce technical designs and drawings for a range of engineering projects.

Depending on your starting qualifications, you'll spend up to 48 weeks at TDR Training School before joining one of our businesses. From there, you'll spend four days per week in the factory and attend college one day per week.

What you'll be doing

- Developing and designing engineering solutions
- Creating detailed technical drawings using computer aided design (CAD)
- Finding problems and coming up with solutions
- Communicating designs to customers using sketches, technical drawings and reports
- Quality, Health, Safety and Environment (QHSE) training

Qualifications

- ✓ **Level 3 Engineering Design and Draughting Diploma**

In years 3 and 4 of your apprenticeship, you could get the option to complete a Level 4 HNC Diploma in Mechanical Engineering, followed by a Level 5 HND Diploma in General Engineering, or even a degree!

Career progression

- Design Engineer
- Planning Manager
- Sales Applications Engineer
- Operations Manager



Health, Safety & Environment (HSE)

2 Years

As an HSE Apprentice, you'll work with our health and safety teams, making sure our businesses are maintaining high health, safety and environmental standards that meet legal requirements, customer needs and create a safe working environment.

You'll spend your first 20 weeks at TDR Training School before joining one of our businesses. From there, you'll spend four days per week in the business and attend college one day per week.

What you'll be doing

- ✔ Learning the importance of HSE
- ✔ Helping to create a HSE strategy
- ✔ Developing HSE control plans
- ✔ Supporting people across the business to improve HSE
- ✔ Solving HSE problems and developing solutions
- ✔ Helping to manage and reduce risks
- ✔ Quality, Health, Safety and Environment (QHSE) training

Qualifications

- ✔ Level 3 Health Safety and Environment Technician Diploma

You could get the option to do extra training, such as a National Examination Board in Occupational Safety and Health (NEBOSH) General Certificate. Some of our HSE apprentices even go on to do a Level 6 Diploma in Occupational Health and Safety!

Career progression

- ✔ HSE & Compliance Officer
- ✔ HSE Advisor
- ✔ HSE Manager
- ✔ Head of HSE



Quality

2 Years

As a Quality Apprentice, you'll work with our quality teams, making sure our businesses are maintaining quality control standards that meet legal requirements and customer needs.

You'll spend time at college before joining one of our businesses. From there, you'll spend four days per week in the business and attend college one day per week.

What you'll be doing

- Helping to create a quality control strategy
- Contributing to the management of supplier performance
- Planning and conducting audits
- Supporting people across the business to improve quality
- Solving quality control problems and developing solutions

Qualifications

- ✓ Level 4 Quality Practitioner Diploma

After successfully completing your apprenticeship, you might get the opportunity to do a bachelor's degree!

Career progression

- Project Quality Engineer
- Supplier Quality Engineer
- Quality Engineer
- Quality Manager

Benefits

A great place to start your career. We reward our apprentices...

Not only will you get paid full-time while gaining hands-on experience and qualifications, as a British Engines apprentice, you'll also have access to our range of employee benefits.

Whether you need an urgent GP appointment or fancy starting a new fitness programme, we've got you!



Wellbeing app



Company pension scheme



Cycle to Work scheme



33 days holiday (including bank holidays)



Life assurance



Free eye tests



Enhanced maternity pay



Industry recognised qualifications



Hands on learning



Mentorship



Get paid to learn



Training and development



British Engines Apprenticeship Outdoor Activity Week!

Take part in an exciting outdoor activity week in the Lake District.

You'll join your fellow apprentices on an exciting outdoor activity week at Brathay Hall in the Lake District.

During the trip, you'll be challenged to do lots of fun team building activities like canoeing, mountain climbing, ghyll scrambling and zip lining! Working closely with your group, you'll build teamwork, leadership and communication skills while bonding with your work mates and team leaders.



How To Apply

1

Visit the Apprenticeships page on our website and sign up to be the first to find out when applications open.

2

Once applications open, visit the jobs section of our website and apply for the apprenticeship role(s) you're interested in.

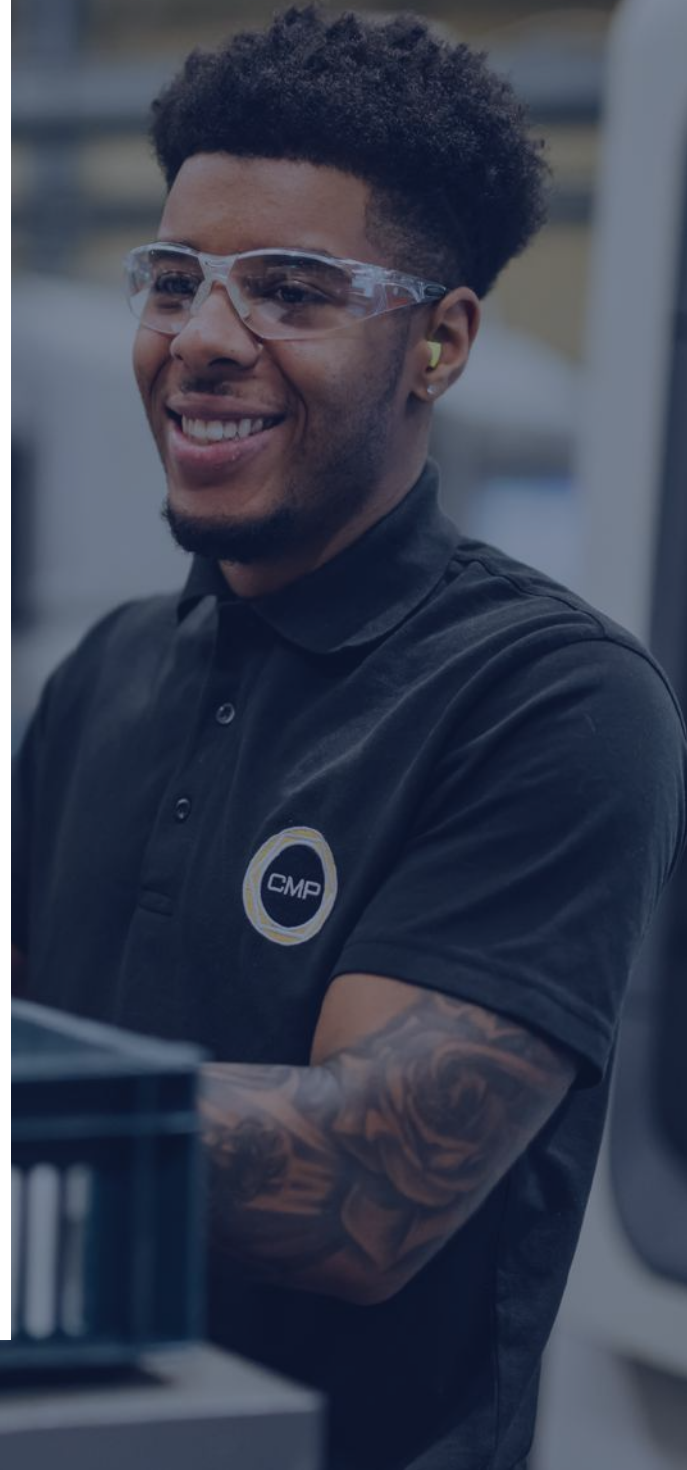
3

If successful, you'll be invited to an assessment day at TDR Training School and an interview at one of our businesses.

4

If your assessment day and interview go well, you'll be offered a place on our apprenticeship scheme!

To get started visit [britishengines.com](https://www.britishengines.com)



Frequently Asked Questions



What do I need to apply?

You'll need at least a GCSE grade 4/C in Maths and English. Relevant work experience in an engineering environment would be great, but is not essential. As long as you have a keen interest in engineering, enjoy working with your hands and like being part of a team, you'll be a great fit!

We look for the following skills in a potential apprentice:

- ✔ Strong communication skills
- ✔ Passionate about engineering
- ✔ Good attention to detail
- ✔ Willingness to learn
- ✔ Confident with numbers
- ✔ Enjoys team work
- ✔ Good at problem solving
- ✔ Can think outside the box

What happens on the assessment day?

The assessment day takes place at TDR Training School in Longbenton, Newcastle. You'll do two tests in Maths and English. If successful, you'll be invited to an interview at one of the British Engines Group businesses.

What happens after I finish my apprenticeship?

Depending on your performance, you could be offered a permanent position at the group where you'll have the opportunity to develop your career in many different areas of the business. You might also get the opportunity to complete further qualifications, funded by us, such as an HNC, HND, or even a degree!

You may be able to work towards achieving incorporated status in your field of specialism, or progress to chartered status in the future.

What safety training will I receive?

Everyone at the British Engines Group receives extensive safety training before they start work. Depending on the role, the below training may be provided:

- ✔ Institute Of Health And Safety (IOSH)
- ✔ Working Safely Training
- ✔ Fire Safety Training
- ✔ Lifting & Slings Safety Training
- ✔ Forklift Truck Safety Training
- ✔ Offshore Survival Training
- ✔ DSE Workstation Training
- ✔ Environmental Awareness Training
- ✔ Manual Handling Training
- ✔ Hazardous Substance Awareness Training

