

Engineering

Why study this course at Riverside College?

The engineering workshops at Riverside College have been developed in partnership with local and national industry employers and are fully equipped, boasting the very best in advanced technologies.

All of our students gain a high standard of skills and are able to progress directly into the workplace after gaining their nationally recognised industry qualifications

You will be joining a supportive and enthusiastic team of qualified engineers who will provide support and guidance throughout your course. You will have the opportunity to work in well-resourced industry standard workshops and develop the necessary skills to progress further in engineering. Engineering is one of the best paid trades in the UK and with a huge shortfall in qualified engineers there has never been a better time to enter the industry.

Are there any costs associated with this course?

A course kit list will be provided prior to starting but this briefly consists of Personal Protective Equipment, such as: College polo shirts, boots, overalls and eye protection, with the option of purchasing your own welding helmet. Stationary is also required for your studies, including pens, paper and notepads.

Enrichment opportunities

You will have an opportunity to take part in a range of enrichment activities including trips to some of the biggest and most advanced engineering companies in the country, Go-karting, Paintballing and lots of career events featuring local companies. We also run many activities on the College campus including 5-a-side football tournaments, engineering competitions and fund-raising events.

Work experience

During the course all learners are encouraged to gain work experience in order to make the transition to the workplace as smooth as possible.

The practical work you will undertake will prepare you for real life situations. You will also complete out of college projects designed to support the community and allow you to gain valuable experience on site.

How will I be assessed?

You will produce an E-Portfolio of evidence that you will record your practical tasks and assignments and can also be used to support job applications. You will also complete a series of online tests.



Skills Centre Outstanding workshops and facilities

The Engineering and Motor Vehicle department offers an excellent blend of industry standard provision to equip our learners to develop careers in their chosen industry. Programmes of study are delivered in our purpose built workshops and teaching areas.



New for 2022:

T-LEVELS
THE NEXT LEVEL QUALIFICATION

Unique Experience

- New specialist workshops
- Work on the latest technology and equipment
- Trips to motor shows and exhibitions
- Work on live projects with local employers
- Links with high profile employers
- Excellent progression opportunities
- Green Car project challenge
- Motorsport cars

Engineering and Manufacturing Level 1 Diploma - 1 Year

Entry Requirements

4 GCSEs at grade 9 – 2 including English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Practical engineering skills
- Bench fitting
- Maintenance
- Electronics
- Machining
- Automotive

What will this course lead on to?

Level 2 Diploma in Engineering (PEO).

Performing Engineering Operations Level 2 NVQ - 1 Year

Entry Requirements

4 GCSEs at grade 9 – 3 including English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Practical and theoretical engineering skills including welding, hand fitting as well as machining (turning).
- MIG welding
- Hand fitting
- Machining

What will this course lead on to?

Level 3 EAL Diploma in Engineering or an engineering apprenticeship.

Engineering Technology Level 3 Diploma - 1 Year

Entry Requirements

Level 2 in Engineering and a minimum of GCSE grade 4 or Level 2 in English and Maths.

What will I learn on this course?

The course will cover topics including:

- Hand fitting techniques
- Advanced machining techniques
- Computer Aided Design (CAD)
- Electrical and Mechanical maintenance
- MIG and TIG Welding
- Health and safety

What will this course lead on to?

An engineering apprenticeship or directly in the engineering industry in your chosen field. There are also opportunities to progress even further by enrolling on the HNC course or to explore university.

T Level: Technical Qualification in Engineering and Manufacturing: Maintenance, Installation and Repair Level 3 - 2 Years

Entry Requirements

5 GCSEs at grade 9 – 5 including a grade 5 in English language and Maths.

What will I learn on this course?

The course will cover topics including:

- Maintenance engineering technologies
- Computer Aided Design (CAD)
- Material science
- Engineering mathematics
- Health and safety
- Hand and machining skills

What will this course lead on to?

University or the HNC course. An engineering apprenticeship or directly in the engineering industry in your chosen field.



Riverside College

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