

Motor Vehicle and Motorsport

Why study this course at Riverside College?

Our workshops 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 automotive tutors who will provide support and guidance throughout your course. You will have the opportunity to work in industry standard workshops and develop the necessary skills to progress further in the industry.

Are there any costs associated with this course?

A course kit list will be provided, this briefly consists of Personal Protective Equipment: College polo shirts, boots, overalls and eye protection. 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.



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



Light Vehicle Maintenance Level 2 VRQ Diploma - 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:

- Diagnose basic vehicle faults
- Remove and replace components
- Develop knowledge of motor vehicle technology suspension, transmission systems and electrical principals
- Working safely and competently in an engineering environment
- Developing skills in workshop practices

What will this course lead on to?

On successful completion of this course, you could progress to the IMI Level 3 Diploma in Light Vehicle Maintenance and Repair. Alternatively, you could apply for a motor vehicle apprenticeship or employment in the motor trade.

Light Vehicle Maintenance Level 3 VRQ Diploma - 1 Year

Entry Requirements

Successful completion of Level 2 in Light Vehicle Maintenance or equivalent Motor Vehicle qualification and GCSE grade 4 in English Language and Maths.

What will I learn on this course?

The course will cover topics including:

- Diagnostic techniques using up to date diagnostic test rigs and equipment
- Work safely and competently in an engineering environment
- Developing skills in workshop practices
- On completion of the course, you will be able to confidently diagnose complex vehicle faults and remove and replace most major components

What will this course lead on to?

On successful completion of this course, you could progress to a relevant higher education motor vehicle course or apply directly for employment in a motor vehicle technician role. You could also progress to university.

Engineering (Motorsport) Level 2 PEO - New for 2021 - 1 Year

Entry Requirements

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

What will I learn on this course?

The course will cover topics including:

- Working on rally cars, go-karts, circuit cars and Formula Renault racing cars
- Working safely and competently in a motorsport engineering environment
- Develop skills in workshop practices
- Operate a MIG welding set
- Produce various welded joints
- Produce advanced parts from metals using hand tools and maintain various motorsport vehicle systems

What will this course lead on to?

On successful completion of this course, you could progress to the Level 3 EAL Diploma in Engineering Technology (Motorsport). Alternatively, you could also apply for an Engineering apprenticeship.



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