

LEVEL 2 MECHANICAL ENGINEERING (PEO)

Subject Area
Student Type
Study Mode

Engineering
Students aged 16-18
Full Time

What is the course about?

Do you dream of a career in engineering? Would you prefer to work in a hands-on practical role? This highly practical one-year course is a perfect introduction for those who strive for a career in the rewarding engineering industry. Specialising in Performing Engineering Operations, this mechanical engineering course will provide you with the practical skills and supporting knowledge required to thrive in an engineering career.

Why should I choose the course?

This course gives you the practical skills, knowledge, and behaviours that will support you to progress in the engineering industry, whether you wish to explore the mechanical, electrical, or electronic route. You will gain important hand skills which are sought after by leading employers, in order to begin a successful career in this thriving industry. There are abundant career opportunities available in the current UK engineering sector. The industry has a vast skill shortage and is short of 69,000 skilled workers per year, meaning there are a huge variety of jobs available for those interested in this career.

What will I learn?

This highly practical course will provide you with valuable skills to prepare you for a career in mechanical, electrical, or electronic engineering. Modules will include mechanical assembly, hand fitting techniques, milling and turning, using technical information and fixing machinery. Your skills will be put to the test in a variety of tasks, such as assembling and disassembling small engines, making small handtools, elements of fabrication and basic welding.

What will the course lead on to?

After successfully completing this course, you will have the skills and knowledge needed to progress on to a level 3 course, which could then lead to opportunities to study at university. Alternatively, you could take on an apprenticeship to earn while you learn. You could also take an alternative route to progress into electrical and electronic engineering. Employment earnings are very competitive, with many apprentices on completion looking to earn anything from around £32,000 a year, with promotions available. The skills and knowledge you will gain could see you working offshore with wind turbines, or perhaps working in an office where you could be designing the next generation of engineering technology.

Are there any links with industry and university?



**Warrington
& Vale Royal
College**

Warrington Campus
Winwick Rd, Warrington WA2 8QA

 wvr.ac.uk

 01925 494 494

Winsford campus
Weaver St, Winsford CW7 4AH

 learner.services@wvr.ac.uk

An important part of this course will be interacting and working with leading employers in the industry, to gain the latest skills and sector knowledge. Our tutors have excellent working relationships with prominent industry professionals, who will host guest talks and demonstrations to demonstrate the high industry expectations for you to aspire to.

You may even have the opportunity to show off your developing skills and potentially secure an apprenticeship or part-time job. We are currently working with companies such as Roberts Bakery and the Little Treats site, TATA Chemicals, Oliver Valves, Dana Engineering, Colas, Dantom Electronics, ABB, Atlas Copco, Pro Cranes, and WHP Telecoms.

You will also complete one week's work experience for every year of your course, to give you a real flavour of engineering. Previous students have completed placements with employers such as APG Precision, Dantom Electronics, and Colass, and impressed these companies so much that they were offered jobs.

What support is available?

You will be allocated a progress coach who will provide you with support to help you succeed on your study programme and progress on to your chosen career or progression path. We have a team of staff dedicated to providing learning support if required, as well as a Welfare Team that is on hand to offer guidance, support and help when needed.

Additionally, eligible students can access a wide range of finance and funding support to help them during their time at college.

Click here for learning support: <https://wvr.ac.uk/college-life/learning-support>

Click here for finance support: <https://wvr.ac.uk/college-life/financial-support>

Why should I choose to study the course at Warrington & Vale Royal College?

Our state-of-the-art workshops have been created to industry standard to prepare you for your future career. We work with a huge variety of employers who provide outstanding equipment to ensure your learning is at a high standard. For example, our students currently work with motors from worldwide company ABB Motors, stripping and rebuilding these to understand the intricacies of their components.

Our tutors come from a huge variety of engineering backgrounds, bringing a wealth of industry related experience to enhance your learning. Our tutors have experience within the fabrication and welding field, aerospace, and even the military. Their extensive knowledge will greatly benefit you throughout your course.

Lessons in the workshops are engaging and are delivered by tutors who are passionate about the industry and dedicated to furthering your development. You will receive great support and individualised teaching to ensure your future success.

What are the entry requirements?

Minimum of 4 GCSEs at grade 3 or above, including maths and/or English, or successful completion of a level 1 qualification. Students will be expected to continue to study towards a GCSE Grade 4 English & maths if not already achieved.


Are there any additional costs associated with the course?



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You will need steel toecap footwear for practical workshop activities as well as a college uniform. Additional costs are charged to cover visits, industry standard textbooks and other equipment.



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