



West
Lancashire
College

Motor Vehicle

at West Lancashire College

**FIRE
IT UP**
Apprenticeships



Welcome to West Lancashire College

We are a small, community-based college operating in association with NCG which is a large and successful national provider of further and higher education and Apprenticeship training.

We have around 3,500 learners both young people and adults of all abilities and backgrounds and offer programmes from entry to level 3 and every step in between, including Apprenticeships, A Levels, Technical, BTEC courses and distance learning courses that are delivered online.

One of our strategic priorities is to provide an innovative and responsive led curriculum which meets the needs of employers and addresses local and regional skills shortages. With this in mind we have made a significant investment into our Campus. In 2019 we opened a £2.5m Advanced Construction & Engineering Centre, and more recently our £1.3m School of Science which was officially opened by Professor Brian Cox CBE. Funded by the Lancashire Enterprise Partnership's Growth Deal Programme, the £1.3m hi-tech Centre aims to unlock potential and give local people the ability to drive forward growth for the area.

Located within the Advanced Construction & Engineering Centre, our Motor Vehicle workshop houses a hi-spec, fully equipped suite giving students access to the very best specialist equipment and technology as they train for their future careers.

Our Motor Vehicle Engineering Managers, Assessors and Tutors are some of the best in the business and have vast academic and industry experience, so you can be assured that your Apprentices will be trained to the very highest standards and will leave their programme fully equipped for industry.

We do hope that we can support your organisation by training staff to achieve the Apprenticeship in Motor Vehicle Service and Maintenance, and I look forward to meeting you and your employees in the very near future.

Best wishes

Gareth Sutton

Assistant Principal

Meet the Team

Nigel Jackson



Apprenticeship Curriculum Manager

Nigel was previously Apprenticeship Manager at Warrington & Vale Royal College and has

extensive industry experience as an Electrical Design Engineer. Nigel said "It's great to be embarking on this exciting journey with the development of our brand-new engineering facility and enhanced team of staff who have vast engineering experience both industrial and academic. These developments will serve the local labour market with a distinguished technological and practical applied approach to assist in the production of future engineers."

Anthony Robinson



Curriculum Manager for Engineering

Tony has vast automotive industry experience and has had a number of job roles within

the sector, including diagnostic technician and workshop controller with manufacturers such as Honda, Toyota and Lexus.

Tony moved into education in 2007 when he joined West Lancashire College. Tony was also part of a team of authors that revised the popular Hillier's Fundamentals of Automotive Electronics textbook. Tony is a fully qualified Level 4 Hybrid and EV master technician.

Chris Wilkinson



Motor Vehicle Tutor

Chris completed an industry Apprenticeship before becoming an MOT tester in an independent garage in Liverpool before

moving to London and working for Toyota. Chris then moved into education in 2005. Chris has taught at a number of FE colleges before joining West Lancashire College in 2015.

James Gleave



Motor Vehicle Tutor

James gained his Motor Vehicle qualifications here at West Lancashire College nearly 10 years ago. During James's career he has worked

closely with BMW trained Master Technicians, as well as Mercedes and VW independent specialists. James has been a part of West Lancashire Colleges Motor Vehicle teaching team in various capacities for six years.

Motor Vehicle Service and Maintenance Technician (Light Vehicle)

A Motor Vehicle Service and Maintenance Technician services and repairs light vehicles such as cars and vans and works either in dealerships which focus on a particular manufacturer, or in an independent garage which deals with many different makes of vehicles.

The technician must be able to work independently but also operate as an effective team member and have good customer handling skills. They will understand how their workshop and the dealership/garage functions from a commercial perspective and identify ways in which they can work more efficiently.

Technicians working in large dealerships work with other departments, for example carrying out work for the Sales Department and ordering parts from the Parts Department, whereas apprentices in smaller independent garages may be called upon to carry out some of the function of the other departments themselves, for example managing their own delivery of parts.

The technician will work on all the systems found within the vehicle. The day-to-day work ranges from replacing simple parts through to solving complex faults with the use of diagnostic methods and equipment. The tasks faced are constantly changing, driven by the introduction of ever more complex technologies and diagnostic techniques

Apprentices will develop the following specific knowledge

- How vehicle service and repair is impacted by legislative, regulatory, and ethical requirements, including health and safety law and environmental procedures
- The structure of the industry and how the business works from an operational perspective, business targets, the systems and processes that make up the efficient running of a business
- How to develop positive working relationships and communicate effectively and how to carry out self-evaluation and improve own performance.
- The procedures for the maintenance of tools and the workshop
- Routine servicing and inspection procedures
- Steering and suspension geometries; electrical circuit requirements and calculations
- Construction and operation of vehicle components and systems
- Common fault types, causes and effects of different types of faults
- The implications and legal requirements of fitting accessories and carrying out vehicle modifications
- How to diagnose faults using suitable fault-finding strategies
- Construction and operation of advanced electrical, braking and suspension systems, engine and transmission systems and engine and gear calculations
- Vehicle emissions and legal requirements
- Alternative fuels and hybrid and electric systems.

Apprentices will develop the following

specific skills

- Contribute to the maintenance of a safe and efficient workshop.
- Demonstrate due regard for own safety and that of others in the workshop and minimise risk of injury and vehicle damage.
- Carry out fundamental tasks associated with removal and replacement procedures on a vehicle.
- Obtain diagnostic and repair information
- Interpret diagnostic information and use electrical wiring diagrams to determine system serviceability.
- Use a range of diagnostic equipment.
- Follow recognised diagnostic procedures, logical diagnostic sequence and apply advanced diagnostic principles and problem-solving techniques to establish faults.
- Report faults using company procedures and recommend suitable further actions.
- Follow recognised repair procedures to complete a wide range of repairs including those which involve complex procedures, or in-depth knowledge.
- Test the function of repaired and fitted components.
- Adhere to business processes and complete documentation following workplace procedures.
- Use ICT to create emails, word-process documents and carry out web-based searches.
- Complete a range of services and inspect and prepare a vehicle to the required quality standard for handover to the customer.

Duration

The Motor Vehicle Service and Maintenance Technician Level 3 Apprenticeship is a 36-month programme.

Off the job training

Apprentices will be required to attend off the job training for one day per week.

Entry Requirements

Apprentices require a minimum of 4 GCSEs Grade 4-9, including 4 or above in English and Maths.

Cost

The cost of the programme is dependent on the age of the Apprentice and the wage bill of the organisation who is employing the Apprentice. For further details please contact one of our Business Development Executives on

01695 52490 or email

WLCApprenticeships@westlancs.ac.uk



Our Facilities

Set in the town centre, our impressive campus features a light, open atrium area with high quality student facilities including; The Diner, Café West, The Imagery Hair & Beauty Academy, Dance Studio, Hope Theatre, Art & Photography studios, Student Hub, Learner Zone, Sports Hall, Sports Physio Laboratory and Massage Clinics, The Works Restaurant, A Level study area, purpose built Advanced Construction and Engineering Centre plus our brand-new high-tech STEM Centre The School of Science.

Our Motor Vehicle Apprentices train in our designated Motor Vehicle workshop, located within the Advanced Construction & Engineering Centre. Our workshop is equipped with the very latest industry standard kit including various advanced diagnostic equipment such as vehicle scanners, oscilloscopes, emissions testers along with a host a Hybrid and EV vehicle maintenance and repair equipment. The workshop also has some of the latest wheel alignment kit and ADAS calibration equipment.

We are very proud of the great facilities available to all of our students, and the best way for you to see them is on a campus tour. If you would like to find out more, we can arrange for a visit to college where you can take a tour and view facilities, or you can come along to one of our Open Events throughout the year, the next Event is on **Thursday 27 April 2023, 4.30pm-7pm.**

To find out more or to book a tour, please contact The Apprenticeship Team on **01695 52490** or email **WLCApprenticeships@westlancs.ac.uk**



Next Steps

Train a current employee

If you wish to train a current employee, we can organise the Apprenticeship training for you. Simply contact our Apprenticeship Team on **01695 52490** or email: **WLCApprenticeships@westlancs.ac.uk** and we will support you through the process.

Recruit a new Apprentice

If you need to recruit an Apprentice, we can help you to choose the right Standard, we will advertise your Apprenticeship – through the government Apprenticeship Service, on our website and with our partnership contacts. Once we receive applications, we will help you to select your Apprentice and make an Apprenticeship agreement and commitment statement with them. To find out more contact our Apprenticeship Team on **01695 52490** or email **WLCApprenticeships@westlancs.ac.uk**



Contact

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