

T Level in Light and Electric Vehicle Maintenance and Repair



Course Level: Level 3

Campus: Stafford

Subject Type: Construction & Engineering

Course Overview:

Get all geared up for a career in the motor vehicle industry.

Gain insights into how materials, conditions, and context influence maintenance and repair processes in this evolving sector. Develop essential mathematical skills tailored for vehicle diagnostics and repair, understanding their crucial role in ensuring vehicle safety and performance. Understand the properties of vehicle components, their maintenance techniques, and testing methods essential for delivering high-quality service.

What's Covered:

The Motor Vehicle T-Level is a qualification bringing classroom and work placement together. Equivalent to 3 A Levels, with 80% classroom 20% industrial placement the T Levels is a gold standard technical option for young people at 16-19, students will develop the knowledge and practical experience they need to pursue a skilled profession - designed in partnership with business, to give employers the skills they need.

Who is it for:

If you are a 16-19-year-old learner, who wishes to work within the Motor Vehicle Industry or to move into higher education, this course will give you the skills and knowledge required to work towards a career in this industry.

Course Content:

In year one the qualification will help you gain an understanding of the engineering industry and you will cover topics such as:

- Working within the engineering and manufacturing sectors, past, present and future.
- Health and safety.
- Mathematics and science for engineering and manufacturing.
- Materials and their properties.
- Mechanical, electrical and electronic principles and Mechatronics.
- Business, commercial and financial awareness and professional responsibilities, attitudes, and behaviours.

In year two, learners will specialise in light and electric vehicle systems and undertake key procedures for maintenance and repair. Learners will have the opportunity to plan, perform and evaluate their work whilst utilising a range of materials, tools and equipment. Students will develop:

- Knowledge of electrical systems and components, power sources, power units, and engine types
- Knowledge and application of component classification, numbering and referencing systems
- Knowledge of how components are removed, replaced, and repaired as part of vehicle maintenance activities

New Course

100%

T Level pass rate in 2024

- Skills to plan and prepare vehicle maintenance activities using evaluation
- Skills to select and use tools, equipment, and technology safely and effectively to complete vehicle maintenance, servicing, and repair activities

Entry Requirements:

As a condition of being offered a place on this course, you would be expected to meet the following entry requirements:

1. Submit a school report showing your attendance, behaviour and effort details
2. Attend the Department Experience Day in June 2025
3. Complete a summer assignment which would be set on Experience Day in June 2025
4. You will need to achieve/have achieved 5 GCSEs at grade 5 or above including Maths and English Language

Assessment Information:

You will be assessed through a combination of core exams (year 1), externally assessed coursework (year 2), work based observations (throughout the 2 years) and an employer project set project at the end of year 1.

Fees and Financial Support:

This course is free for anyone aged 16 – 18.

College Maintenance Allowance (CMA):

Anyone with a gross household income under £30,000 can receive financial support to cover college related costs such as transport, meals, course equipment and uniform. Bursary support is based on individual circumstances and will be allocated to best suit your individual needs. A range of other financial support is available depending on your personal circumstances. For more details visit nscg.ac.uk/finance

Progression:

This technical qualification focuses on the development of knowledge and skills needed for working in the engineering industry, which will prepare learners to enter the industry through employment or as an Apprentice. Furthermore, the completion of this qualification gives the learner the opportunity to progress onto higher education courses and training. (university qualifications e.g. motorsports-related degrees).

How do I find out more?

For more information please contact GE2admin@nulc.ac.uk or call 01785 275535.