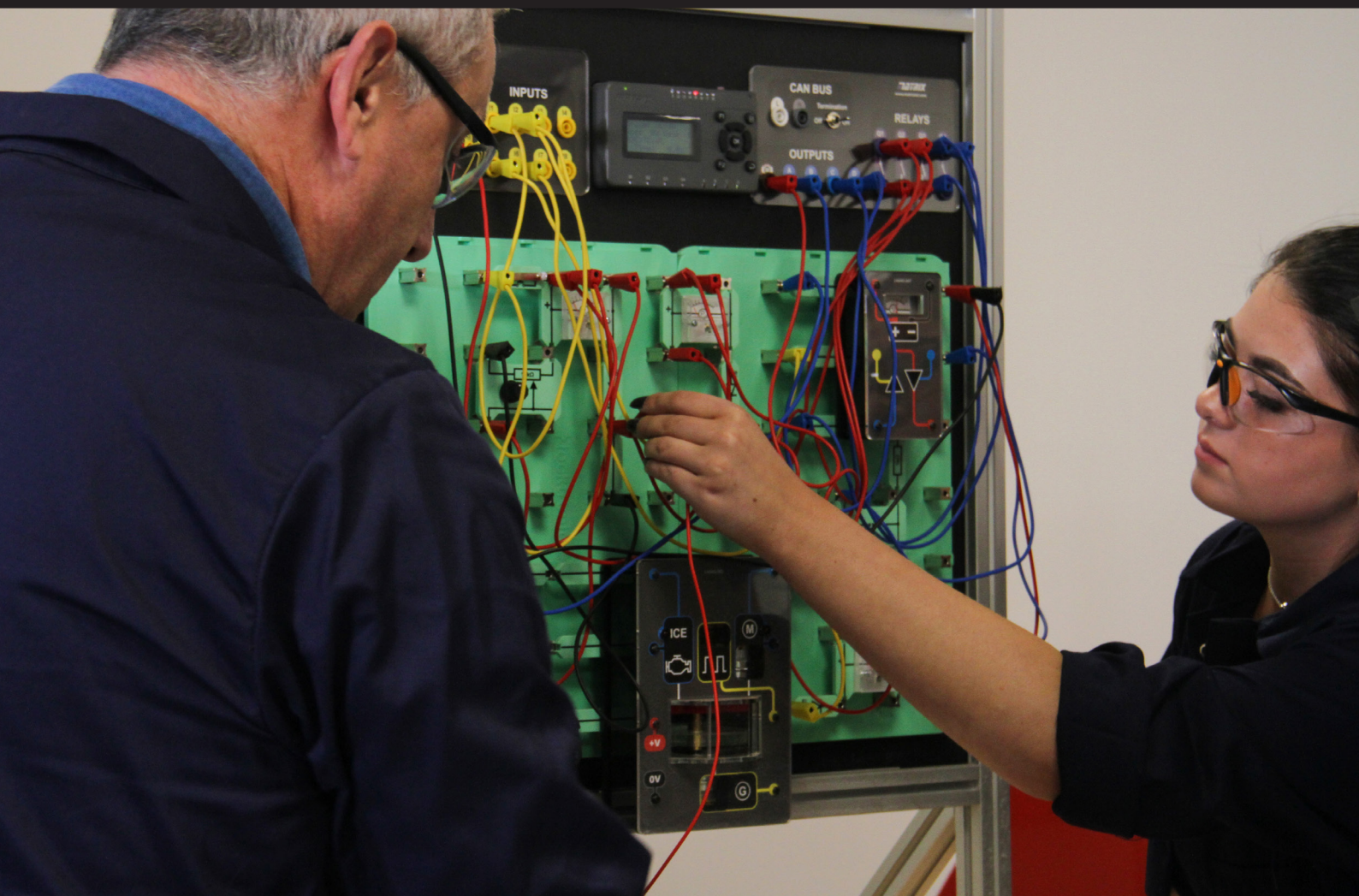


#TRANSFORMINGLIVES

Hartlepool College
of Further Education



SCHOOL OF ENGINEERING

**LEVEL 1 BTEC INTRODUCTORY DIPLOMA
IN ENGINEERING**

TRANSITION PACKAGE

WELCOME & COURSE INFORMATION

Hartlepool College of Further Education has a proud 170-year history of providing vocational opportunities within the town; we continue that tradition with our brand new L1 BTEC Introductory Diploma in Engineering available for learners starting with us in September 2020.

This unique one year qualification provides learners with an opportunity to develop their understanding of what a career in Engineering means to them by working through a series of practical workshops designed to test, educate and transform the lives of the learners who wish to take their first steps towards a career in the fascinating world of engineering.

Learner should have, as a minimum, GCSE`s in English and maths with grades between 1 – 3. Further studying in these important subjects will also take place.

Learners who successfully complete this course may then have the opportunity to continue with a more prescriptive programme of study specialising in either L2 Engineering, Automotive Vehicle & Fitting or Fabrication & Welding.

WHAT WILL I STUDY?

The L1 BTEC Introductory Diploma in Engineering is a 10-unit qualification that needs to be completed within a year, these units are split as below:

Six units will be completed whilst in a practical workshop or computer suite:

- Manufacturing an Engineered Product Using Hand Tools
- Using a Welding Process to Join Materials
- Carrying Out Routine Mechanical Servicing of Equipment
- Carrying Out an Electrical Installation
- Producing Engineering Drawings Using CAD
- Carrying Out Routine Service Tasks on a Motor Vehicle

Learners will also attend four-core unit classroom-based sessions held throughout the year:

- Being Organised – this includes time management, planning, setting daily targets, developing your organisational skills
- Developing a personal progression plan – Identifying your skills base, setting goals, how to research progression opportunities.
- Working with Others – A vital part of any career so this unit highlights what makes a good or bad team.
- Researching a Topic – Decide what topic you wish to look at, how to decide outcomes and the best way to review your progress are part of this final core unit.

Personal protective equipment (PPE) will be provided to all new engineering students for use in the workshops.

Prospective learners will have to commit to a challenging work schedule so being prepared and organised is vital to ensure lesson start times are adhered to – You will be required to complete a portfolio of work whilst studying so being able to manage paperwork, keeping assignments and research documents in good order is paramount.

Prospective learners should complete the key tasks below before September and bring them to their induction period when they start the course.

HOW CAN I PREPARE FOR THIS COURSE?

Task one – Routine Servicing of a Vehicle

For a motor car to perform to manufactures expectations routine servicing is vital in achieving good fuel economy, performance and reliability.

As part of a service you would need to replace/top up certain oils and liquids, research the different grades of engine oil used today and make a list of what Personal Protective Equipment you would need to wear whilst working in the workshop. An A4 word document, ideally with some pictures showing the above, should be created and brought into college during the interview and induction period.

Task two - Carrying Out an Electrical Installation

It is vitally important that when you are working with electricity, you follow all of the necessary safety instructions and procedures. Otherwise you may seriously hurt yourself, or others.

Research what hand tools and equipment you think you would need to use when working on an electrical task, such as changing a fuse on a plug on your Play Station.

Identify warning signs associated with the hazards of working on electrical devices. Produce an A4 document with your research findings and have this with you when you attend your interview and induction period.

KEY TASK3

Learners may have the opportunity to attend our Annual trip to the Motor Sport Trade Event at the NEC Birmingham, held in January.

ADDITIONAL INFORMATION



KEY CONTACTS:

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