

Pearson BTEC Level 4 Higher National Certificate in Engineering Pearson BTEC Level 5 Higher National Diploma in Engineering

Content:

This is a three year engineering programme covering Level 4 HNC and Level 5 HND. The HNC course consists of eight units and the HND course consists of seven units. The fifteen units are equally split across the three years (five units per year). The HNC which is the first step onto the Higher Education (HE) ladder. Learners will be expected to combine learning from different areas using research to formulate their ideas and demonstrate their knowledge and understanding in written assignments. Assignments must be logically designed and demonstrate a good use of English grammar, punctuation and referenced throughout.

Further information about units can be found on the HNC/D supplementary information sheet. All units are assessed by learner assignments and graded at Pass, Merit and Distinction. There are currently no examinations.

Aimed at:

Anyone of any age who holds an appropriate entry requirement.

Duration:

3 Years (day release)

Start Date:

September

Benefits / Progression:

HNC/D is a natural progression for learners who have completed our EAL Level 3 Diploma, a Level 3 BTEC National Certificate or some other course where they can demonstrate they have been working at level 3 Maths, e.g. A Levels.

HND's are highly regarded by employers and are the stepping stone on to many University Degrees, often directly into the second year or above.

Entry Requirements:

It is essential that learners coming onto the course can work at Level 3 in Mathematics. Learners must also understand how the teaching and learning will differ at this level compared to lower level courses and what is expected of them.

It is a course requirement that all learners undertake a diagnostic maths assessment and attend an entry interview prior to acceptance onto the course.

Location:

Gloucestershire Engineering Training (GET) - Barnwood Point, Gloucester.

Cost:

Enquire for the latest course details and Awarding body fees.

If you are interested in this or any of our courses please contact us on 01452 423461 or info@get-trained.org for more information or enrolment details.

Our Mission "Further learning and skills for the engineering industry"
Our Vision "To be the hub of Engineering Training Expertise in the County"

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Mechanical Engineering:

Year 1:

- Engineering Design
- Engineering Maths
- Engineering Science
- Materials, Properties and Testing
- Managing a Professional Engineering Project (Pearson-set)

Year 2:

- Mechanical Principles
- Fluid Mechanics
- Computer Aided Design and Manufacture (CAD/CAM)
- Professional Engineering Management (Pearson-set)
- Further Mathematics

Year 3:

- Research Project
- Advanced Mechanical Principles
- Further Thermodynamics
- Further Programmable Logic Controllers (PLCs)
- Lean Manufacturing

Electrical and Electronic Engineering:

Year 1:

- Engineering Design
- Engineering Maths
- Engineering Science
- Digital Principles
- Managing a Professional Engineering Project (Pearson-set)

Year 2:

- Managing a Professional Engineering Project (Pearson-set)
- Automation, Robotics and PLC
- Electrical and Electronic Principles
- Electronic Circuits and Devices
- Professional Engineering Management (Pearson-set)
- Further Mathematics

Year 3:

- Research Project
- Embedded Systems
- Analogue Electronic System
- Lean Manufacturing
- Further Electrical, Electronic and Digital Principles

Dual Skill Engineering:

Year 1:

- Engineering Design
- Engineering Maths
- Engineering Science
- Computer Aided Design and Manufacture (CAD/CAM)
- Managing a Professional Engineering Project (Pearson-set)

Year 2:

- Mechanical Principles
- Fluid Mechanics
- Electrical and Electronic Principles
- Professional Engineering Management (Pearson-set)
- Further Mathematics

Year 3:

- Research Project
- Advanced Mechanical Principles
- Further Thermodynamics
- Lean Manufacturing
- Further Electrical, Electronic and Digital Principles

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