

Level 3 Engineering Design Technician



Course Overview

Apprentices will be trained and assessed against the core and one option. There are five options:

- Electrical power design technician
- Control and instrumentation design technician
- Mechanical design technician
- Piping design technician
- Structural design technician

The broad purpose of the occupation is to contribute to the preparation of design solutions and produce designs, drawings or models for structures, piping, electrical systems, control and instrumentation systems, or mechanical components. They must understand technical models, drawings and specifications, and be able to create their own. They will identify factors likely to affect design decisions, produce Computer Aided Design (CAD) models and engineering drawings and be able to communicate design information to internal and external parties.

What You Will Study

On this programme you will study towards the product design pathway

- Pearson BTEC Diploma Advanced Manufacturing Engineering (Development Technical Knowledge)
- EAL NVQ Diploma in Engineering Technical Support Level 3

The apprentice will have a depth and breadth of English and mathematics that allow them to operate successfully within their role. This may be met through entry criteria determined by the employer or qualifications and training within the apprenticeship. There will still be a requirement for 19+ students to attempt Maths and English at L2 if they do not have exemptions due to the entry requirements for the BTEC qualifications.

Attendance Expectations

A mixture of day release and employer based.

How You Will Be Assessed

There will be continuous assessment of both your practical skills and theoretical knowledge.

START DATE

September

LEVEL

Level 3

STUDY MODE

Part-time

DURATION

36 months

AWARDING BODY

Excellance,
Achievement &
Learning Ltd

LOCATION

Castleford College



For further information about this course, including Entry Requirements, Assessments and Further Study, scan the QR code.

Need More Information?

For additional course information please contact the Course Information Team on **01924 789111** or email **courseinfo@heartofyorkshire.ac.uk**.

To learn more about Castleford College, our facilities and how we can support you please visit our website **www.heartofyorkshire.ac.uk**.

Quick Links



**How to
Apply**



**Student
Support**



**Virtual
Tours**

Entry Requirements

Candidates must have an employer willing to support the requirements of the apprenticeship standard. Individual employers will set the selection criteria for their apprenticeships.

This will typically include a requirement for a minimum of 5 GCSEs at Grade 9-4 (or equivalent qualifications) including Maths, English and a Science or Technical subject.

If you do not have these, we can assess your current level of English/Maths.

Fee Information

Please contact the Apprenticeship Recruitment Team on 01924 789469 or email apprenticeships@heartofyorkshire.ac.uk

Further Study

This standard aligns to the core engineering skills required for similar occupations in other industries. It meets the professional standards of the Engineering Council for registration as Engineering Technician (Eng Tech) by an appropriate Professional Engineering Institution.