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Level 3 Diploma in Engineering

OVERVIEW

- What does this qualification cover?

It covers a wide range of subjects related to the skills and knowledge required in preparing you for or helping you progress your career in Engineering.

The qualification contains eight pathways or skills areas:

- Mechanical Manufacturing Engineering
- Welding
- Fabrication
- Fabrication and Welding
- Electrical and Electronics Engineering
- Engineering Maintenance
- Shipbuilding
- Composites Engineering

Within each pathway you must complete two mandatory units in Engineering Health & Safety and Engineering Principles. You will then select one pathway specific unit from a number including:

- Principles of fabrication and welding
- Principles of mechanical manufacturing engineering
- Principles of engineering maintenance, installation and commissioning
- Principles of electrical and electronic engineering

Finally, you will also need to complete three optional units from a wide range of skills areas including:

- MIG welding of materials
- Pattern development for fabrication
- Machining materials by turning



- Maintenance of machine systems
- Mechatronic systems principles and fault finding.

- Who could take this qualification? OR who is this qualification designed for?

There are no formal entry requirements for this qualification though you do have to be over the age of 16 to study it. You may be able to study this qualification full-time, part-time or as an evening class course in a College of Further Education or with a Private Training Provider.

This may suit you if you are currently in employment and looking to develop your engineering skills further. It is also suitable for someone who may have completed the Level 2 Diploma in Engineering and would like to continue with further learning in full-time or part time education.

WHAT COULD THIS QUALIFICATION LEAD TO?

- Will the qualification lead to employment, and if so, in which job role at which level?

It could lead to a variety of Engineering jobs roles including:

- Marine machine technician
- Toolmaker
- Composite technician
- Electronics maintenance technician.
- Process engineer
- Welder

- Will the qualification support progression to further learning, if so, what to?

You could progress onto a higher apprenticeship in Advanced Manufacturing and Engineering or other qualifications such as:

Level 4 Diploma in Advanced Manufacturing Engineering
Level 4 NVQ Extended Diploma in Engineering Manufacture.

Who supports this qualification?

The qualification is supported by the following Colleges of Further Education:

- Central Sussex College
- Great Yarmouth College
- Hartlepool College