

Declared Purpose:

The following purpose is for the Level 3 Diploma in Engineering 2850-(30-36, 38), Qualification Approval Number 600/0882/9. This is a technical level qualification.

The Level 3 Diploma in Engineering is a qualification which will provide you with a range of technical skills and knowledge enabling you to either gain employment or progression into further training within the Advanced Manufacturing and Engineering sector.

Who is this qualification for?

Although learners are likely to have already completed a Level 2 Certificate or Diploma in Engineering, they can progress directly into the Level 3 qualification.

What does the qualification cover?

The qualification includes mandatory and a wide range of optional units, allowing you to specialise in one of a number engineering disciplines. You will demonstrate the knowledge and understanding of working safely and communicating in an engineering environment, as well an understanding of the 'principles' of your chosen discipline.

Then through a series of assignments (optional units) you will be able to demonstrate your technical and problem solving skills. This may involve you in:

- machining materials
- welding
- maintaining hydraulic and pneumatic systems
- using computer automated & robotic systems
- using mechatronics systems
- using composites materials.

The Level 3 Diploma in Engineering recognises a variety of disciplines:

- Level 3 Diploma in Engineering – Mechanical Manufacturing Engineering
 - Level 3 Diploma in Engineering – Welding
 - Level 3 Diploma in Engineering – Fabrication
 - Level 3 Diploma in Engineering – Welding and Fabrication
 - Level 3 Diploma in Engineering – Maintenance, Installation and Commissioning
 - Level 3 Diploma in Engineering – Electrical and Electronics Engineering
 - Level 3 Diploma in Engineering – Shipbuilding
 - Level 3 Diploma in Engineering – Composites Engineering
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What opportunities are there for employment or progression after I have finished studying the qualification?

There are many opportunities within the Advanced Manufacturing and Engineering sector for employment. The following are just a sample of the typical job roles:

- skilled machinist
- composite technician
- marine engineer
- electronics manufacture technician
- technical support engineer
- aircraft systems development technician.

You can also progress to a Higher Apprenticeship in Advanced Manufacturing Engineering, or to higher education to undertake a Foundation Degree in Engineering.

The qualification is also listed on the Engineering Council's public database for technician related qualifications as having been approved by the Institution of Mechanical Engineers (IMechE) as contributing to the requirements for professional registration as an Engineering Technician (EngTech).

Further information can be found on our website and within the qualification handbook:

<http://www.cityandguilds.com/Courses-and-Qualifications/engineering/mechanical/2850-engineering/level-3>