

Purpose statement

The following purpose is for the **Level 2 Technical Award in Engineering (601/7241/1)**. This qualification is suitable for you if aged 14 – 16.

| Area | Description |
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| OVERVIEW | |
| Who is this qualification for? | <p>This qualification allows you to understand the world of Engineering.</p> <p>If you like to explore how things work and are keen to develop technical skills, then this qualification is for you.</p> |
| What will the student study as part of this qualification? | <p>You will develop an understanding of how ideas for engineered products are communicated between engineers, including the use of Computer Aided Design (CAD) systems. You will also learn how ideas are turned into prototypes and have the opportunity to develop skills needed to produce and evaluate a prototype.</p> <p>The qualification has two units:</p> <ul style="list-style-type: none"> • Engineering communication • Engineering development |
| What knowledge and skills will the student develop as part of this qualification and how might these be of use and value in further studies? | <p>The qualification develops the following knowledge, understanding and skills:</p> <ul style="list-style-type: none"> • the use of standard measurement in engineering • an understanding of how and why different materials are used in engineered products • the features and applications of mechanical and electrical components • how to interpret and produce engineering drawings using CAD systems • how to use a variety of commercial and prototype technologies • how to evaluate products against design criteria. <p>Your understanding developed is fundamental to an introduction to any aspect of engineering, including:</p> <ul style="list-style-type: none"> • Aerospace • Automotive • Civil • Mechanical • Electrical |

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- Electronic
 - Maintenance
 - Design
 - Building services
 - Nuclear

Your understanding and skills can be developed further through progression to other qualifications, such as A levels or specific to a sector, including

- City & Guilds Level 2 Diploma in Engineering
- City & Guilds Level 3 Advanced Technicals in Engineering

You will also find the understanding and skills useful to progress to an apprenticeship.

Which subjects will complement this course?

GCSEs in Physics, Chemistry and English will complement this qualification.

FURTHER INFORMATION

Please refer to the Qualification Handbook, available on the City & Guilds website, for more information.
