

# Welcome to Engineering

## Level 2 Diploma in Engineering Operations

### About this course:

This is an exciting pathway for anyone wishing to study a practical course that will lead into the world of work as an engineer. Engineering offers a rewarding and varied career for anyone who wishes to choose it.

As part of the program of study you will also have the opportunity go out on a work placement making you more employable, work with real employers on real industrial projects and work with experienced engineering tutors in a vocational setting.

### What you will study on this course

You will develop many competencies like: measurement, marking out and hand skills. Also, you will develop machining skills to include drilling, centre lathe turning and vertical milling. In addition to this due to demands in the area for multi-skilled engineers, you will also study assembly and testing and wiring and testing of electronic circuits.

### Core modules:

- Working safely in an engineering environment
- Working efficiently and effectively in engineering
- Using and communicating technical information
- Producing components using hand fitting techniques
- Preparing and using lathes for turning operations
- Preparing and using milling machines
- Wiring and Testing of Electronic Circuits
- Assembly and Testing of Electronic Circuits

### A student's experience in our engineering department:

Two of our engineer apprentices have taken part in the Ventilator Challenge where their company has joined the VentilatorChallengeUK consortium to produce medical ventilators. Read more at: <https://keighleycollege.ac.uk/uncategorized/apprentices-take-part-in-ventilator-challenge>

### Next steps after this course:

After this course you can continue to study with us at Keighley College either as an apprentice or progress onto our Level 3 course. Alternatively, you could go into employment.

Until you arrive at college, keep checking our website, social media and Applicant Hub for updates and even some activities to do before we meet you in September.

