

LEVEL 2 ENGINEERING MECHANICAL ACTIVITY 1

**Your preparation guide to get you
ready for September**



L2 Full Time Mechanical Engineering

Machining Standard



Welcome to the Level 2 Full Time Mechanical Engineering course.

Are you looking for a career in Engineering?

Have you ever wondered how things are made?

Do you have an interest in all things technical?

Do you like to learn in with a 'hands-on' approach?

If you have answered yes to any of the above, then this is the course for you!

- The Course is designed to introduce the learner in the major disciplines within Engineering, where learners will gain the practical skills and theoretical knowledge required to develop a career in Engineering and Advanced Manufacturing.
- This is a 1-year, full-time course, with a total of **(470)** Guided Learning Hours.
- It consists of combination of classroom-based theory lessons and 'hands-on' workshop practical sessions, using industry standard machinery and techniques.
- The course is made up of **(Need number of units here)**
- Units are assessed by a range of methods including on-line multiple-choice exams, practical assessments and short answer exams.
- You will also be expected to achieve GCSE/Functional Skills to at least a L2 standard if you are required to.

Technical Units Studied as a L2 Machinist Technician

Complying with Statutory Regulations and Organisational Safety Requirements (core)

Working Efficiently and Effectively in Advanced Manufacturing and Engineering (core)

Using and communicating Technical Information (core)

Preparing and Using Lathes for Turning Operations

Preparing and Using Milling Machines

Producing Components using Hand Fitting Techniques

Producing Mechanical Assemblies

General Welding Applications

The 3 Core Units are Mandatory and must be completed

The 4 additional Units have been selected to indicate and best match the New Standards for Machining

You will cover a variety of subjects that will test your abilities and prepare you for entry into the Engineering sector, providing you with the opportunity to continue on to become qualified in related roles such as Machinist Technician, Machine setter/operative; Mechanical engineering operative; Welder/Fabricator; Engineering fitter; Multi-disciplined engineering operative.

You can prepare for this L2 Mechanical Engineering course by:

- Health and Safety is one of the *most important* elements within engineering! Take a look at <https://www.hse.gov.uk/legislation/hswa.htm> to see why.
- The workshop can be a dangerous place, so you will need to get yourself some Personal Protection Equipment (PPE). You will need:
 - Safety Boots- Impact resistant footwear to protect your feet!
 - Correctly Fitting Overall- Not too baggy, not too tight, just right!
 - Impact Resistant Safety Glasses- Protect your eyes!
- Entry to the workshops will not be permitted unless the required PPE is being worn.
- Come to college prepared to learn: Make sure you have pens, notepads, a memory stick in your bag.
- Utilising useful Web based content that is relevant to Mechanical Engineering, Manual Turning, Manual Milling, Hand Fitting techniques.
- Contacting The College on 01202 205205
- Or online via <https://www.thecollege.co.uk/about-us/contact-us>

Main sites at:

Lansdowne, Meyrick Road,
Bournemouth, BH14 0LS

North Road, Parkstone,
Poole, BH14 0LS



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