

# Producing Mechanical Engineering Drawings using a CAD system

Course Code F5046348

## Course Cost

£ Nil

This course is fully funded (subject to eligibility)

## Course Aims

This five day course is intended to take the user to a level of proficiency that will allow them to create, edit and save a range of manufacturing and assembly drawings. This course is one of the units from the Performing Engineering Operations qualification.

## Course Duration

5 days

## Course Target Group

New or experienced users who require formal qualification/ upskilling to develop their skills in AutoCAD 2D. Users are expected to have general computer skills. A working knowledge of engineering drawings is advantageous.

## Accreditation Body



## Location

This course can be delivered from any of the following Gen2 Training Centres:

- Gen2 Energus Skills Centre
- Gen2 Carlisle Skills Centre
- Gen2 Furness Skills Centre

# Gen2



This course is delivered by Gen2 as part of The Edge Project which is funded by the European Social Fund, co-financed by the Skills Funding Agency and commissioned by Cumbria LEP. Carlisle College are the accountable body for the funding which is delivered by a partnership of providers

## Course Objectives

By the end of the course the participants will be able to:

- Create 2D drawings using wizards, templates and start from scratch
- Create a drawing template – layers, drafting settings, snaps and grids
- Understand display commands – pan, zoom, redraw and regen
- Draw Objects – lines, circles/ellipses and polygons - Use of Absolute Co-ordinates, Relative Referencing, Polar Co-ordinates and Direct Distance Entry (DDE). Use of Offset tool
- Edit drawings
- Understand dimensioning drawings
- Manage Content – creating & inserting blocks, cut and paste, AutoCAD Design Centre elements
- Plotting – setting up a plot, viewports, page setup
- Save drawings in various formats for editing and e-mailing

Students will receive on-going assessment and knowledge questions throughout the course.

## Qualification Gained

Unit from Level 2 PEO in Producing Mechanical Engineering Drawings using a CAD system - Unit 004.

For further information or for course dates please call our Sales Consultants on:

**Workington** 01900 701300 / 07739 199 531

**Carlisle** 01228 599890 / 07590 439 929

**Furness** 01229 483760 / 07540 686 554

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