# Overview of the CNC Turning course

The contents of the course covered over a 4 day cycle, including a mix of classroom and workshop days. Depending on the outcome of a Training Needs Analysis (TNA); attendees do not need to have completed the previous course prior to attending the course being considered.

## Basic

- Machine operation and safety
- Operation panel use
- Program panel use
- Program loading
- Tool wear compensation
- G and M code recognition
- Basic cutting tool application
- Turning operations
  - External diameters
  - Facing
  - Drilling
- Coolants and cutting fluids

## Intermediate

- Machine operation and safety
- Operation panel use
- Program panel use
- Program loading and proofing
- G40, 41 and 42 uses
- G and M code use
- Error coding and tool compensation
- Turning operations
  - Boring
  - Screw cutting

## Advanced

- Machine operation and safety
- BS ISO EN 286-2 limits and fits
- Program panel use
- Program writing, loading and proofing
- G and M code use
- Error coding and tool compensation