

## NVQ 2 PERFORMING ENGINEERING OPERATIONS



### Course Objectives

- To assist participants achieve basic engineering skills and/or build on skills they already have
- To assist participants gain a nationally recognised qualification
- To improve the skills level of an Employer's Workforce

### Course Content

After induction to the programme candidates will be required to provide evidence of competence, plus an understanding of underpinning knowledge for the following NVQ units

#### Mandatory Units - all 3 must be completed

- PEO2/001 Working Safely in an Engineering Environment
- PEO2/002 Working efficiently and effectively in Engineering
- PEO2/003 Using and Communicating Technical Information

#### Group B Units - three units must be completed

- PEO2/005 Producing components using hand fitting techniques
- PEO2/006 Producing mechanical assemblies
- PEO2/011 Preparing and using lathes for turning operations
- PEO2/012 Preparing and using milling machines
- PEO2/013 Preparing and using grinding machines
- PEO2/014 Preparing and proving CNC machine tool programs
- PEO2/015 Preparing and using CNC turning machines
- PEO2/016 Preparing and using CNC milling machines
- PEO2/017 Preparing and using CNC machining centres
- PEO2/019 Maintaining mechanical devices and equipment
- PEO2/020 Assembling and testing fluid power systems
- PEO2/021 Maintaining fluid power equipment
- PEO2/024 Cutting and shaping materials using thermal cutting equipment
- PEO2/027 Preparing and using manual metal arc welding equipment
- PEO2/028 Preparing and using manual TIG or plasma-arc welding equipment
- PEO2/029 Preparing and using manual MIG, MAG and other continuous wire welding equipment
- PEO2/030 Preparing and using manual gas welding equipment
- PEO2/033 Wiring and testing electrical equipment and circuits
- PEO2/034 Forming and assembling electrical cable enclosure and support systems
- PEO2/035 Assembling, wiring and testing electrical panels/components mounted in enclosures
- PEO2/037 Maintaining electrical equipment/systems
- PEO2/040 Wiring and testing programmable controller based systems

### Designed for

Shop floor workers with minimum skills or young persons with no skills to enable candidates to gain Basic Engineering Skills

### Location:

Employers premises

### Duration:

6 to 9 months  
depending on  
candidate