

MECHANICAL ELECTRICAL MECHANICAL CROSS SKILLING



Course Objectives

- To add additional mechanical skills to electricians
- Develop new mechanical skills for operatives

Location:

NLT Training

Duration:

5 Days

Designed For

Electricians or machine operators

Course Content

- Basic engineering skills to include:-
 - Measuring skills using micrometers, calipers and verniers
 - Marking out using vernier height gauges
 - Drilling, reaming, countersinks, counterbores
 - Use of profile gauges and protractors
 - Produce and fit a taper key
 - Produce internal and external threads
 - Extracting broken studs
 - Repair damaged threads using heli-coils
 - Thread technology and recognition
 - Hand grinding small tools
 - Use of data tables
- Dismantling and re-assembly skills to include:-
 - Dismantle/re-assemble pumps, gearboxes, pneumatic cylinders
 - Extract and fit bearings
- Alignment and tensioning skills to include:-
 - Align and shim motor to a machine coupling
 - Align and tension drive belts
- Refurbishing plant and equipment to include:-
 - Vacuum pumps, pneumatic cylinders, mechanical seals
- Moving heavy loads to include:-
 - Moving a machine using toe jacks and skates
 - Lift a heavy load using slings and associated equipment
 - Risk assessments related to lifting operations
- Isolation and exhausting of machine services to include:-
 - Electrical (operatives only)
 - Compressed air
 - Vacuum
 - Hydraulics

www.nlt-training.co.uk

T: 0845 40 80 378

E: sales@nlt-training.co.uk

