

NITEC IN FABRICATION TECHNOLOGY

Module Objectives

Metal Joining and Cutting

On completion of the module, trainees should be able to perform marking and cutting of ferrous metal plates and pipes as well as tack welding on steel plates and pipes in flat and horizontal positions.

Pipe Fabricating

On completion of the module, trainees should be able to prepare cutting plans, perform cutting of edge profiles and fabricate pipe spools in accordance with drawings.

Steel Fabricating

On completion of the module, trainees should be able to perform tapping of holes, hot bending, cold bending and material take-off.

Single-Plane Pipe Bending

On completion of the module, trainees should be able to assemble pipe-to-flange and pipe-to-pipe with tack weld as well as perform visual inspection on pipe spools.

Plate Joining and Cutting

On completion of the module, trainees should be able to perform chamfering on mild steel plate and tack-weld fillet and groove joints.

Fabrication and Plate Development

On completion of the module, trainees should be able to perform pattern development of mild steel plate as well as form mild steel plate to shape.

Fabrication and Hull Development

On completion of the module, trainees should be able to perform lines plan drawings from offset tables, produce 2-D CAD drawings of outfittings, and form structures from plates and rolled sections.

Heatline Bending

On completion of the module, trainees should be able to perform heatlines marking, form and correct plate curvature using heatline bending.

On-The-Job Training I

On completion of the module, trainees should be able to apply and integrate Year 1 skills and knowledge acquired from classroom training, and further develop competencies at the workplace.

On-The-Job Training II

On completion of the module, trainees should be able to apply and integrate Year 2 skills and knowledge acquired from classroom training, and further develop competencies at the workplace.