

**Vocational Training Council**  
**Pro-Act Training and Development Centre (Welding)**

**Course Curriculum**

<b>Course Title:</b>	The Preparation Training for Intermediate Trade Test of Welder
<b>Course code:</b>	WE5106053
<b>Offered By:</b>	Pro-Act Training and Development Centre (Welding)
<b>Location:</b>	Level 7, Block B, 13-19 San Kwai Street, VTC Kwai Chung Complex, Kwai Chung, NT.
<b>Skill Level:</b>	Operative
<b>Class Size:</b>	12
<b>Duration:</b>	45 hours (18 evenings)
<b>Course Mode:</b>	Part-time evening
<b>Medium of Instruction:</b>	English

**Course Objective**

The course has been designed for NCS beginners, who possess limited welding experiences and intend to join the intermediate trade test of welder in order to obtain the recognition from construction industry. The course provides comprehensive coverage of both the safety knowledge and practice at a ratio 20/80 approximately.

**After completion the course, trainees will be able to:**

- (1) Identify the safety measures to prevent hazards related to oxy-acetylene cutting (OAC) and manual metal arc welding (MMAW).
- (2) State the definitions, advantages and limitations of OAC and MMAW in general application of metal construction.
- (3) List out the factors governing the quality in cutting by OAC and jointing by MMAW.
- (4) Adjust and use an OAC apparatus to cut a mild steel plate along straight lines.
- (5) Set up and adjust a DC manual metal arc welding machine and apparatus
- (6) Preparation works before welding with hand tools
- (7) Perform manual metal arc welding in 2F position
- (8) State the general defects and the prevention in welding of mild steel plates
- (9) Identify welding defects and discontinuities by visual inspection and state the remedial actions.

## **Course Outline**

- (1) Appreciate and recognize the use and the safety precautions of all equipment, tools and accessories used in OAC and MMAW process.
- (2) Read and interpret the welding drawing & instruction.
- (3) Set-up and check OAC and MMAW in working order.
- (4) Welding practice and cutting practice.
- (5) Preliminary visual inspection of the welding joints.
- (6) Practices on General Welder Intermediate Trade Test.

## **Entry Requirements**

Employed in the relevant trade and sponsored by their employers; or supported by Nepalese Construction Workers Union, Hong Kong (NCWUHK).

## **Attendance Requirement**

Trainee with attendance less than 70% is considered to be failed the practical portion.

## **Award**

Completion Certificate

## **Evaluation**

Survey will be taken from trainees in form of questionnaire at the end of the course.