

Vocational Training Council

Pro-Act Training and Development Centre (Welding)

Course Title: The Preparation Training for Intermediate Trade Test of Welder (NCS)
Offered By: Pro-Act Training and Development Centre (Welding)
Location: Level 7, Block B, VTC Kwai Chung Complex, Kwai Chung
Skill Level: Operative
Course Fee: HK\$ 550

Course Objective

The course has been designed for the 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 oxyacetylene welding and manual metal arc welding
- (2) State the definitions, advantages and limitations of oxyacetylene welding and manual metal arc welding in general applications of metal construction
- (3) List out the factors governing the quality in cutting by oxyacetylene welding and jointing by Manual Metal Arc Welding
- (4) Adjust and use an oxyacetylene metal cutting apparatus to cut a mild steel plate in a straight line
- (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.

Target Group

The course has been designed for the Non-Chinese Speaking people who possess limited welding experiences and intend to join the intermediate trade test of welder in order to obtain the recognition from construction industry.

Entry Requirements

Employed in the relevant trade and sponsored by their employers; or supported by worker union

Course Mode Part-time

Duration 37.5 hours (15 sessions)

Class Size 12

Assessment/Attendance Requirement

- (a) The assessment result is made by using of continuous assessment for all practical exercises and the end quiz.
- (b) Trainee with attendance less than 80% is considered to be failed the course.
- (c) The passing mark for the assessment is 40.

Award

Completion Certificate

Evaluation

An end-of-course survey will be conducted in form of questionnaire to collect trainees' views and feedback.