

CERTIFIED WELDING INSPECTOR

CODE: CWI

The IMM Certified Welding Inspector course is a 6-day certification program comprising a 5-day theory, practical class sessions and 1-day final written and practical assessments. Participants will be exposed to different aspects of industrial welding technology and fabrication, such as safety, weld inspection, reporting, joint design, welding processes, welding metallurgy and materials behaviours during welding production. Theoretical and practical aspects of inspection techniques such as visual inspection test (VT), weld measurements, MPI, DPI, UT and RT will be part of the training by qualified welding personnel.

Objectives

- To improve safe welding practices
- To understand the welding practices carried out in their industrial
- To implement good welding practices in their industry
- To select right welding equipment in the industry
- To identify common welding defects and ways to overcome them
- To make right selection of electrodes & materials
- To understand WPS, PQR, WQT for repair of pressure & unfired pressure vessels

Course Contents

- Module 1 : Introduction and Safety
- Module 2 : Duty & Responsibility
- Module 3: Inspection, Test, Plan
- Module 4 : Inspection Report
- Module 5 : Welding Procedures Specification
- Module 6 : Construction Drawings (ISO Process & Instruments Diagram, Details)
- Module 7 : Codes / Standards
- Module 8: Joint Design
- Module 9 : Construction & Design
- Module 10 : Welding Processes
- Module 11 : Welding Symbols
- Module 12 : Welding Metallurgy
- Module 13 : Materials strength and testing
- Module 14 : Materials Behaviour of Metals
- Module 15 : Welding Defects]
- Module 16 : Damage Mechanisms
- Module 17 : Non Destructive Evaluation

Course Duration

6 days

Pre- Requisites

Education	Welding Experience Required
SPM or equivalent	5 years
Engineering Diploma in Engineering / Technology	3 years
Vocational Diploma in Engineering / Technology	3 years
Degree in Engineering	1 year

Who Should Attend

This course is suitable for professionals with working experience in welding and fabrication, who are willing to upgrade their skills according to International standards. Participants can choose any two of the standards from API 1104, ASME IX, AWS D1.1 and ISO 5817 for their assessment.

Certificate

IMM Certified Welding Inspector

Language

Course will be conducted in English / Bahasa Malaysia

Deadline for Registration & Payment

5 working days before start of program