



ARAB INSTITUTE

المعهد العربي للمحاسبين والقانونيين

Certified QA/QC Engineer

- QA/QC in General
- QA/QC in Civil Engineering
- QA/QC in Mechanical
- QA/QC in E and I
- QA/QC in Inspector Piping
- QA/QC in Piping



Course Description

Quality Assurance and Quality Control is applicable in construction, production and servicing industries. Civil, Electrical, Electronics, Mechanical, Instrumentation, production, automobile and even other branches also has QA/QC programs according to their requirement. Qualified and experienced persons are working in quality control department.



ROYAL INSTITUTE
FOR CHARTERED ENGINEERS

Certification Issued By

COURSE OUTLINE:

QA/QC IN GENERAL COURSE PARTS:

Introduction to Quality Control & Inspection
International Codes and Standards
Quality Management Engineering
General Industrial Health and Safety
Maintenance Inspections
Project Management
Quality Documentation and Reporting

QA/QC IN CIVIL COURSE PARTS:

Module1 Roles and Responsibilities of QA / QC Engineer – Civil
Module 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
Module 3 International Codes and Standards
Module 4 Drawings and Abbreviations
Module 5 Excavation and Backfilling
Module 6 Construction of Asphalt Concrete paving
Module 7 Concreting Works
Module 8 Pre Stressed Concrete – Bridge Girders
Module 9 Concrete Trial Mix Test, Concrete Compressive Strength Test , Compaction (Density) Test etc.
Module 10 Receiving Inspection , In process Inspection & Final Inspection
Module 11 Control of Nonconforming of Items / Products
Module 12 Calibration of Monitoring & Measuring Equipment
Module 13 Project Quality Plan
Module 14 Preparation of Inspection Test Plans – ITPs
Module 15 Preparation of QC Procedures

QA/QC IN E AND I COURSE PARTS:

MODULE – 1 Roles and Responsibilities of QA / QC Engineer – E & I
MODULE – 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011
MODULE – 3 International Codes and Standards
MODULE – 4 Instrument Symbols
MODULE – 5 Types of Instruments
MODULE – 6 Types of Control Valves
MODULE – 7 Process Flow Diagram (PFD) Piping and Instrument Diagram (P & ID) and Isometric Drawing etc.
MODULE – 8 Control Loops and Control Systems
MODULE – 9 Instrument Installation and Testing
MODULE – 10 Receiving Inspection , In process Inspection & Final Inspection
MODULE – 11 Control of Nonconforming of Items / Products
MODULE – 12 Calibration of Monitoring & Measuring Equipment
MODULE – 13 Preparation of Project Quality Plan
MODULE – 14 Preparation of Inspection Test Plans – ITPs
MODULE – 15 Preparation of QC Procedures (QCP)

COURSE OUTLINE:

QA/QC IN MECHANICAL COURSE PARTS:

- Module 1 Roles and Responsibilities of QA / QC Engineer Mechanical**
- Module 2 Introduction to ISO 9001 . ISO 9004 , ISO 14000. ISO 19011**
- Module 3 Interpretations of Quality Management Systems ISO 2008 : 9001**
- Module 4 International Codes and Standards**
- Module 5 Standard Material Specifications**
- Module 6 Overview of Type of Equipment**
- Module 7 QA / QC Requirements of Jobs / Projects**
- Module 8 Receiving Inspection , In process Inspection & Final Inspection**
- Module 9 Control of Nonconforming of Items / Products**
- Module 10 Calibration of Monitoring & Measuring Equipment**
- Module 11 Welding and NDT Requirements**
- Module 12 Preparation of Project Quality Plan**
- Module 13 Preparation of Inspection Test Plans – ITPs for Different Disciplines**
- Module 14 Preparation of QC Procedures for Different Disciplines**
- Module 14 Pressure Testing and Control of QA / QC Documents**

QA/QC IN INSPETOR PIPING COURSE PARTS:

- Module 1 – Course introduction**
- Module 2 – Roles & responsibilities of QA/ QC Inspector Piping**
- Module 3 – Classification of pipes**
- Module 4 – Piping materials and material receiving inspection**
- Module 5 – International codes and standards**
- Module 6 -Process Flow Diagram PFD , PI & D , Isometric Drawings**
- Module 7 – Preparation of inspection test plan (ITP's)**
- Module 8 – Preparation of quality control procedures**
- Module 9 – Implementation of QA/QC system**
- Module 10 – Welding & NDT methods**
- Module 11 - Fabrication / Erection of Piping**
- Module 12 – Calibration of instrument / equipment**
- Module 13 – Control of Non Conforming items / Produits**
- Module 14 – Preparation of hydro test package**
- Module 15 – Final QA/QC dossier / documentation for piping**

TOLL FREE: 800 24 25 63 +971 42944001

info@aialme.com www.aialme.com

Office 1004 AL Rigga Business Center IBIS Hotel Al Rigga Deira