

FIRE FIGHTING SYSTEM

Course Description

Fire Science Is One OF the Major Trades In the Contracting World and the Fire Fighting System Is one of 3 systems related to the fire Science (Fire Safety & Fire Alarm & Fire Fighting) and in this Course You Will Deal With this 3 Systems and Make Full Design For the Different Fire Fighting Systems .

Course Objectives

Objective of the course is to make the engineer is able to do completely design of Fire Fighting project with its Different & Various Systems Applying all the NFPA & Different Codes Requirements .

Course Outline:

1. Determining the Different Fire Fighting Systems
2. Differentiate Between the Different Types of Sprinklers Found in different Fire Fighting System
3. Making Full Design For the Sprinkler System With its Different Types
4. Making Design For the Special Sprinkler Systems (Dry Pipe System – Deluge System –Preaction System)
5. Making Design For the Hazel System With Its Different Types .
6. Making Full Design For the External Hydrant System And the Siamese Connection

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7. Hydraulic Calculation For the Different Types of the Fire Fighting Pumps
 8. Fire Fighting Water Tank Design
 9. Determining the Different Types OF Fittings Used In the Fire Fighting Network And How To Make the Required Pipes & Fittings Survey and How to Prepare the BOQ For Each Piping System.
 10. Full Design For the Gaseous System Like CO₂ & FM 200 System
 11. Fire Extinguishers System Design .