

ENPPI ACADEMY

Path 01

Introductory Module to Fundamentals of Oil & Gas Industry

No.	Course Title	Duration	Dates
01	Introductory Module to Fundamentals of Oil & Gas Industry	10w	Feb-Apr 2018 Sep-Nov 2018

Path 02

Detailed Speciality Program (Tailored) Process Training Program

- 01 Fundamentals of Oil and Gas Facilities
- 02 Introduction to Flow Diagrams
- 03 Introduction to Gas Processing
- 04 Hydraulics for P&ID's
- 05 Dehydration System Selection & Design
- 06 Process Fired Heaters
- 07 Heat Exchangers Selection & Design
- 08 Pumps Technology
- 09 Cooling & Mechanical Refrigeration
- 10 Air Cooled Heat Exchangers
- 11 Basics of I&Cs
- 12 Sweetening Systems Selection & Design
- 13 Process Simulation using HYSYS
- 14 Fractionation Towers & Tower Internals
- 15 Reciprocating & Centrifugal Compressors
- 16 Pressure Vessels & Tower Internals
- 17 Safety Relief & Flare System Design
- 18 Industrial Pollution Control
- 19 Industrial Water Conditioning
- 20 Fire Protection System

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**Path
02**

Detailed Speciality Program (Tailored) Process Training Program (Cont'd)

No. Course Title

- 21** Industrial Safety, HSE
- 22** Separators and Filters Selection & Design
- 23** Process Simulation using HYSYS

**Path
02**

Detailed Speciality Program (Tailored) Mechanical Training Program

- 01** Fundamentals of Oil and Gas Facilities
- 02** Introduction to Flow Diagrams
- 03** Pumps Technology
- 04** Centrifugal Compressors
- 05** Reciprocating Compressors
- 06** Pressure Vessels Selection & Design
- 07** Fire Protection System
- 08** Tank Design & Maintenance
- 09** Heat Exchangers Selection, Design & Maintenance
- 10** Industrial HSE
- 11** Corrosion Control Techniques
- 12** Introduction to Gas Turbine
- 13** Material Selection in Petroleum Industry

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Path 02

Detailed Speciality Program (Tailored) Instrumentation Training Program

No. Course Title

- 01 Basics of I&Cs
- 02 Process Measurement Basics
- 03 Process Control
- 04 Control Valves Engineering
- 05 Instruments in Hazardous Locations
- 06 Control Valves Engineering
- 07 Instrumentation Liaison Engineering
- 08 Pneumatic & Hydraulic Controls
- 09 Introduction to Control Systems(PLC-DCS&SCADA)
- 10 Distributed Control System (DCS)Workshop
(Honeywell-Esperion System)
- 11 SCADA Intercommunications Systems

Path 02

Detailed Speciality Program (Tailored) Electrical Training Program

- 01 Introduction to Flow Diagrams
- 02 Load Analysis & Short Circuit
- 03 Electrical Distribution Systems
- 04 SWG, MCC Sizing & Substation Equipment
Layout & UPS
- 05 Power Protection System
- 06 Hazardous Area Classification
- 07 Electrical General Specifications
- 08 Electrical Equipment Specifications
- 09 Lighting Systems

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**Path
02**

Detailed Speciality Program (Tailored) Electrical Training Program (Cont'd)

No. Course Title

- 10** Grounding & Lightning Protection System
- 11** Electrical Cabling System
- 12** Schematics & Wiring Diagrams
- 13** Turbo Generators (Gas Turbines)
- 14** Programmable Logic Controller
- 15** Cathodic Protection

**Path
02**

Detailed Speciality Program (Tailored) Civil Training Program

- 01** Fundamentals of Oil and Gas Facilities
- 02** Introduction to Flow Diagrams
- 03** Civil, Structural, ARCH, Q.C
- 04** Steel Design by International Codes
- 05** Pipe Rack Design & Analysis
- 06** Civil Software Applications (SAP)
- 07** Civil Software Applications (STAAD)
- 08** Equipment Foundation
- 09** Design of Steel
- 10** PDS, PDMS Applications
- 11** Deep Foundation Design, Specification & Testing
- 12** Industrial Built-in Architect
- 13** Earthquake Engineering
- 14** Introduction to Offshore Jetties
- 15** Pipe Line Civil Works

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Path 02

Detailed Speciality Program (Tailored) Procurement Training Program

No. Course Title

- 01** Fundamentals of Oil & Gas Facilities
- 02** Introduction to Flow Diagrams
- 03** Introduction to main equipment in oil & gas industry
- 04** Supplier / Contractors qualifications & evaluations
- 05** Fundamentals of purchasing
- 06** Developing skills of purchasing specialties
- 07** Fire protection system
- 08** Periodic Expediting procedures of oil & gas industry
- 09** Basic of quality surveillance inspection
- 10** Fundamentals of Material Control & management system
- 11** Fundamentals of expediting
- 12** Fundaments of traffic & logistic
- 13** Project Phases and life cycle
- 14** Fundamentals of sub-contracts administration

Path 02

Detailed Speciality Program (Tailored) Project Control Training Program

- 01** Fundamentals of Oil and Gas Facilities
- 02** Introduction to Flow Diagrams
- 03** Introduction to Gas Processing
- 04** Basics of Project Control
- 05** Project Contracting & Execution Techniques
- 06** Project Planning & Scheduling
- 07** Primavera Applications

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Path 02

Detailed Speciality Program (Tailored) Project Control Training Program (Cont'd)

No. Course Title

- 08 Basics of Cost Estimation
- 09 Project Cost Control & Reporting
- 10 On Job Application
- 11 Project Management Skills

Path 03

Automation Systems Emerson Standard Training Courses on Plantweb Delta V/SIS System

No. Course Title

Duration

Dates

- 01 PlantWeb/Delta V Introduction 3
- 02 Delta V Implementation I 4
- 03 Delta V Systems Administration XP/Server2003 4
- 04 Delta V Hardware & Troubleshooting 4
- 05 Delta V Operator Interface for Continuous Process 2
- 06 Delta V SIS Overview 3
- 07 Delta V Safety Instrumented System Maintenance 3
- 08 Delta V SIS Implementation 4

To Be Identified Later

We **IN**vest
People