PenEdu Learning & Consulting, LLC

"Where questions become knowledge"

Member - *Energy Learning Network* a Consortium of Energy Industry Learning Professionals

Certificate of Completion in Hydrocarbon Processing Facilities

These courses provide basic knowledge of gas processing for plant personnel, but primarily focus on the plant operator. This series covers subjects common to most industrial gas processing plants. Topics are discussed in detail, emphasizing principles and theories.

Course Curriculum

Certificate of Energy Industry Technical Skills - eLearning

Introduction:

Participants who complete the curriculum outlined below will earn a **Certificate of Completion *in Hydrocarbon Processing* Facilities.**

Participants that complete one or more of the Certificate of Completion programs often focus their work careers in an Energy Industry organization, performing functions in departments such as:

- Base Operating Curriculum
- Human Resources
- Natural Gas Measurement
- Liquified Natural Gas (LNG) Operations
- Pipeline Corrosion
- Pipeline Repair and Maintenance
- Instrumentation & Electronics (I&E)
- System (Gas) Control
- Compression & Pump Stations
- Above Ground Tank Storage of Hydrocarbons
- Underground Gas Storage
- Gas Fractionation & Distillation
- Gas Plant Operations
- Safety & Environmental
- Marketing
- Accounting & Finance
- Projects Managers
- Engineering & Technical Staff
- Clerical support
- Operations

Hydrocarbon Gas Processing Facilities–eLearning

Hydrocarbon Processing Facilities eLearning		
Topic	PenEdu Course	Hours
Process Fundamentals	211 How Process Controls Reduce Costs	50 minutes
Process Fundamentals	212 Process Controls Tests – Part 1	30 minutes
Process Fundamentals	213 Process Controls Tests – Part 2	20 minutes
Process Fundamentals	214 Plant Firefighting:	35 minutes
Process Fundamentals	215 Plant Firefighting: Fuels and Combustion	45 minutes
Process Fundamentals	216 Plant Firefighting: Extinguishers & Foam	45 minutes
Process Fundamentals	217 Plant Firefighting: Tactics & Strategy	45 minutes
Process Fundamentals	218 Heat: Temperature and Heat	45 minutes
Process Fundamentals	219 Heat: Heat Transfer	50 minutes
Process Fundamentals	220 Heat: Combustion and Fuel	40 minutes
Process Fundamentals	229 Process Control Instruments	50 minutes
Process Fundamentals	231 Furnaces: Combustion and Air Control	40 minutes
Process Fundamentals	232 Furnaces: Startup and Shutdown	40 minutes
Process Fundamentals	236 Accident Control Techniques	50 minutes

Hydrocarbon Processing Facilities eLearning		
Topic	PenEdu Course	Hours
Process Fundamentals	237 Compression in Industry – Part 1	35 minutes
Process Fundamentals	238 Compression in Industry – Part 2	35 minutes
Process Fundamentals	624 Reciprocating Compressor	30 minutes
Process Fundamentals	380 Basic Plant Mathematics	60 minutes
Process Fundamentals	611 AC Motors	50 minutes
	Total	**14.1 hours**