



PenEdu Learning & Consulting, LLC

"Where questions become knowledge"

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

Certificate in General Maintenance in Gas Processing Plants

This Certificate Program provides content addressing general maintenance in a gas processing plant. Preventive maintenance in gas plants is a process used to keep equipment in good operating condition and within operating tolerances. These online courses can be used as the foundation for a plant maintenance training program. Personnel safety issues are addressed in several courses.

Course Curriculum



Certificate in General Maintenance in Gas Processing Plants - eLearning

Introduction:

Participants who complete the curriculum outlined below will earn a **Certificate of Completion *in General Maintenance in Gas Processing Plants***.

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

- Human Resources
- Natural Gas Measurement
- Liquefied 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 Plant Operations
- Safety & Environmental
- Marketing
- Accounting & Finance
- Projects Managers
- Engineering & Technical Staff
- Clerical support
- Operations

Curriculum Block-General Maintenance in Gas Processing Plants

General Maintenance-Gas Processing Plants eLearning		
Topic	PenEdu Course	Hours
Core Curriculum		
Gen Maintenance	108 Cutting & Fitting Gaskets	25 minutes
Gen Maintenance	109 Hydraulics & Pneumatics – Part 1	40 minutes
Gen Maintenance	110 Hydraulics & Pneumatics – Part 2	20 minutes
Gen Maintenance	111 Hydraulics & Pneumatics – Part 3	35 minutes
Gen Maintenance	112 Lubrication	25 minutes
Gen Maintenance	113 Introduction to Bearing	25 minutes
Gen Maintenance	114 Bearing Types & Maintenance	30 minutes
Gen Maintenance	115 Introduction to Bearing Lubrication	20 minutes
Gen Maintenance	116 Greased Bearing & Oil Mist Lubrication	40 minutes
Gen Maintenance	117 Compression Packings	35 minutes
Gen Maintenance	118 Automatic Packings	25 minutes
Gen Maintenance	120 V-Belts & Positive Drive Belts	60 minutes
Gen Maintenance	122 Mechanical Seals	40 minutes

General Maintenance-Gas Processing Plants eLearning		
Topic	PenEdu Course	Hours
Core Curriculum		
Gen Maintenance	125 Introduction to Chain Drives	25 minutes
Gen Maintenance	126 Installation & maintenance of Chain Drives	25 minutes
Gen Maintenance	129 Introduction to Pumps – Part 1	25 minutes
Gen Maintenance	130 Introduction to Pumps – Part 2	35 minutes
Gen Maintenance	131 Introduction to Pumps – Part 3	25 minutes
Gen Maintenance	133 Shaft Alignment	35 minutes
Gen Maintenance	134 Pump Seals & Seal Flushes	45 minutes
Gen Maintenance	135 Positive Displacement Pumps	40 minutes
Gen Maintenance	136 Centrifugal Pumps	40 minutes
	Total	11.8 hours