



PenEdu Learning & Consulting, LLC

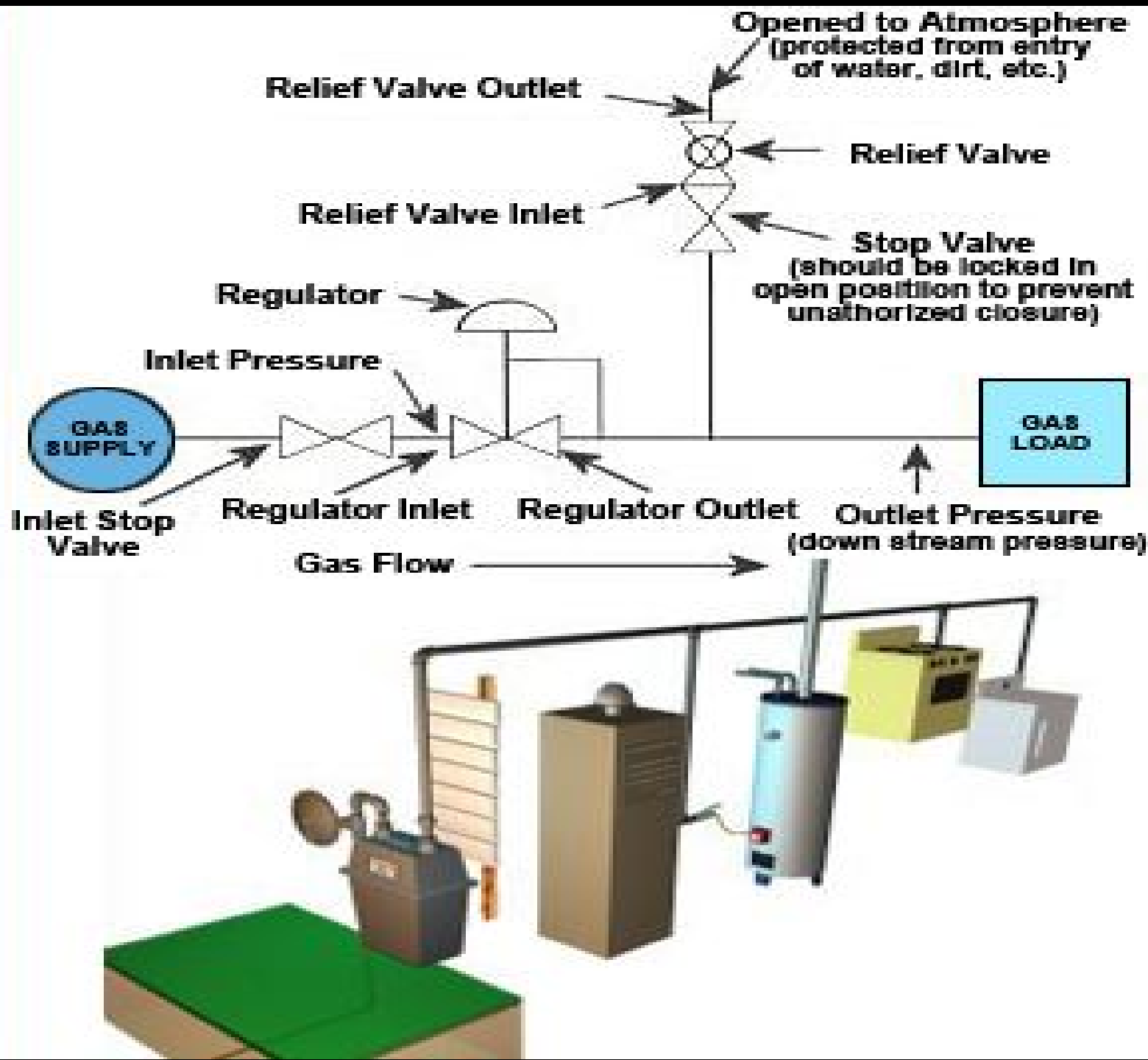
"Where questions become knowledge"

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

Certificate in Gas Distribution Operations

Gas distribution operations moves natural gas from the town Border Station to commercial, industrial and residential users. Local gas distribution companies (LDC's) are the providers of natural gas and gas services to their customers. Highly skilled technicians are required to test, maintain, and repair gas measurement meters, pressure control, and related facilities. Our focus in this curriculum is on gas distribution operations, pipeline repair, maintenance, and gas meter equipment testing, calibration, and Personnel Safety.

Course Curriculum



Certificate of Completion in Gas Distribution Operations

Certificate of Energy Industry Technical Skills - eLearning

Introduction:

Participants who complete the curriculum outlined below will earn a **Certificate of Completion in Gas Distribution Operations Technical Skills**.

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:

- 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

Gas Distribution Operations eLearning		
Topic	PenEdu Course	Hours
Natural Gas Fundamentals	002 Introduction to the Natural Gas Industry	25 minutes
Natural Gas Fundamentals	100 Prevention of Accidental Ignition & Potential Ignitions Sources	60 minutes
Natural Gas Fundamentals	103 Characteristics and Properties of Natural Gas	55 minutes
Maintenance	108 Work Zone Safety	20 minutes
Maintenance	200 Leak Survey & Leak Classification	100 minutes
Maintenance	206 Leak & Pipeline Failure Investigation	65 minutes
Maintenance	301 Vault Inspection & Confined Space Entry	75 minutes
Maintenance	403 Pressure Testing Plastic Pipe	35 minutes
Maintenance	410 Cast Iron Joints	15 minutes
Maintenance	202 Odorization Concentration Testing	70 minutes
Maintenance	404 Plastic Pipe Fusion	100 minutes
Maintenance	405 Electrofusion	70 minutes
Maintenance	406 Mechanical Fittings	65 minutes
Maintenance	413 Up-Rating Pipeline Systems	65 minutes
Maintenance	417 Installation of Plastic Mains & Services- Part 1	45 minutes

Gas Distribution Operations eLearning		
Topic	PenEdu Course	Hours
Maintenance	418 Installation of Plastic Mains & Services- Part 2	55 minutes
Maintenance	419 Natural Gas Operations & Maintenance Safety	70 minutes
Maintenance	420 Installing of Steel Mains and Services	65 minutes
Maintenance	421 Pipeline Tie-in Methods	35 minutes
Maintenance	500 Atmospheric Corrosion-Distribution Operations	40 minutes
Maintenance	1221 Install Meters & Regulators-Residential	50 minutes
Maintenance	1231 Install Meters & Regulators-Commercial	60 minutes
Maintenance	903 Using the DTX Odorant Detection Instrument	30 minutes
Maintenance	904 Using the Heath Odorator	15 minutes
	Total	20.6 hours