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## N612: Introduction to Natural Gas Gathering and Processing

Format and Duration  
Classroom - 2 Days

Instructor(s): Dale Kraus

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### Summary

This course is designed to familiarize participants with the basic aspects of behavior and characteristics of natural gas, and the common processes and equipment used in gas gathering and processing.

### Learning Outcomes

Participants will learn to:

1. Recognize the types and characteristics of natural gas.
2. Describe how gas separators work.
3. Recall the components of gas pipelines.
4. Identify the types of gas compression.
5. Explain the role of sweetening in gas processing.
6. Describe the process of gas dehydration.
7. Recognize the role of hydrocarbon liquids recovery systems.
8. Identify the utilities needed to run a gas processing system.

### Training Method

This is a classroom course comprising a mixture of lectures, discussion, case studies, and practical exercises.

### Who Should Attend

This course is designed for technical, operations and maintenance personnel involved in gas gathering and processing who have had limited exposure in this area, or for staff in other areas who require a comprehensive overview of gas gathering and processing. It is not intended for Facility Engineers with more than two years of experience.

### Course Content

#### Part One

1. Characteristics of Natural Gas
2. Vapour / Liquid Separation
3. Well Lease Equipment
4. Pipelines
5. Field Facilities
6. Satellites



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### Part Two

1. Gas Compression / Sweetening / Dehydration
2. Pumps
3. Dew Point Control / Liquids Recovery / Fractionation / Stabilization
4. Sulphur Recovery / Acid Gas Injection
5. Utilities
6. Sales Considerations