



Gas Conditioning and Processing Principles - G3 - Virtual, Blended Delivery

COURSE

About the Course

The Campbell Gas Course® has been the industry standard for more than 50 years and the core competencies of the Campbell Gas Course® are now available in self-paced online Skill Modules.

These competencies set the base knowledge that is required for a successful career as an entry level facilities engineer, seasoned operator, and / or field supervisor. These modules provide an understanding of common terminology, hydrocarbons and their physical properties, qualitative and quantitative phase behavior, hydrates, and fluid flow. In addition, they provide a systematic approach to understanding the common types of equipment, and the primary unit operations in both offshore and onshore gas conditioning and processing facilities.

Each module ranges from 3-5 hours of self-paced activities, with pre-and-post assessments. In addition, the modules have interactive exercises and problems to solve on the various topics.

Target Audience

- Facilities Engineers
- Process Engineers
- Senior Operations Personnel
- Field Supervisors
- Engineers who select, design, install, evaluate or operate gas processing plants and related facilities

You Will Learn

An understanding of common terminology, hydrocarbons and their physical properties, qualitative and quantitative phase behavior, hydrates, and fluid flow. In addition, they provide a systematic approach to understanding the common types of equipment, and the primary unit operations in both offshore and onshore gas conditioning and processing facilities.

Course Content

The course is made up of the following skill modules (Appox 3-5 Hours Each):

- Hydrocarbon Components & Physical Care Properties
- Introduction to Production & Gas Processing Facilities

- Qualitative Phase Behavior & Vapor Liquid Equilibrium
- Water/Hydrocarbon Phase Behavior
- Thermodynamics & Application of Energy Balances
- Fluid Flow
- Relief & Flare Systems Core
- Separations Core
- Heat Transfer Equipment Overview
- Pumps & Compressors Overview
- Refridgeration, NGL Extraction, & Fractation
- Contaminant Removal - Gas Dehydration
- Contaminant Removal - Acid Gas & Mercury Removal

Product Details

Categories: [Midstream](#)

Disciplines: [Gas Processing](#)

Levels: [Basic](#)

Product Type: [Course](#)

Formats Available: [On-Demand](#) [Virtual](#)

Instructors: [PetroSkills Specialist](#)

On-Demand Format

Course On-Demand (Available Immediately)	\$3,890.00
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