



## Gas Conditioning and Processing Principles - G3 - eLearning Course

### 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. Total course duration is approximately 52 hours of self-paced learning.

#### 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
- Separations
- 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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