



## NEC-Based Electrical Design, Installation and Safety Codes

### MODULE

#### About the Skill Module

This skill module is designed to give learners a jump-start in learning how to navigate and apply the National Electrical Code, NFPA 70 for oil and gas installations. Various sections of the code are discussed as they relate to oil and gas facilities.

*Though not required, learners will get a richer experience if they can obtain a copy of the National Electrical Code, NFPA 70 to review in conjunction with this module.*

#### Target Audience

Facilities and Project Engineers as well as newly graduated Electrical, Controls and Instrument Engineers (0-5 years) with a need to improve basic understanding of electrical systems within oil and gas facilities.

#### You Will Learn

Participants will learn how to:

- Describe the need for codes and regulations in the oil and gas industry
- Describe the role of OSHA and enforcement mechanisms for common industry recognized codes and standards
- Identify Codes and Standards used for Sizing, Specification and Installation of Electrical Equipment and infrastructure for Oil and Gas Facilities
- Identify Codes and Standards used for determining the degree and extent of hazardous (explosive) areas in Oil and Gas Facilities
- Describe the purpose and scope of the NEC
- Describe the role of circuit breakers, fuses and overload relays and the code sections that reference their sizing.
- Describe the scope, purpose and history of NPFA 70B

#### Product Details

Categories: Midstream

Disciplines: Instrumentation, Controls & Electrical

Levels: Basic

Product Type: Individual Skill Module

Format: On-Demand

Duration: 5.5 hours (approx.)

**\$395.00**