Natural Gas Course Descriptions

NGT100—Technologies basic to the delivery of natural fuel gases

50% lab 50% classroom

This course presents a description of the processes and procedures basic to the production, transmission and distribution of natural fuel gas from the gas well through the gas burner. The major components of a natural gas system are identified. The action that each component in the system has on the gas stream is presented in the context of the system design. Key terms and definitions are reviewed and applied to conditions common to the utilization for natural gas. The development of a simple gas system, including wellhead, compressor stations, transmission lines, valves, metering stations, regulator stations and delivery point will be presented.

NGT110—Preventing/controlling worksite incidents

50% Classroom 50% lab

This course provides safety information which is unique to the natural gas industry. Emphasis is placed on effective ways to avoid accidents and injuries at the worksite. Causes and possible hazards associated with gas leakage are reviewed through case studies. The accepted method of extinguishing gas fueled fires is presented.

NGT160—Installing and maintaining customer service lines and meter and regulator sets

50% Classroom 50% Lab

This course is designed to provide information and techniques for installing and maintaining customer services lines and meter and regulator sets. Related gas industry standards and U.S. Department of Transportation (DOT) minimum standards for safety are emphasized.

NGT200—Placing gas pipelines into service

50% Classroom 50% Lab

This course is designed to provide information and procedures related to pigging, purging, hot tapping and stopping tie-in bypass operations on gas pipelines. Pigging and purging operations discussed are for pipelines larger than 4 inches in diameter. Hos tapping/stopping operations discussed are limited to 60 psi.