



## Controls and Safety Instrumented Systems Fundamentals

### MODULE

#### About the Skill Module

This skill module extends the learning from the SIS, Monitoring, and Control Core module. There will be some sizing calculations and discussion of common instrumentation and types of control valves, with their advantages and disadvantages. Learning will be applied to the example facility.

[See example online learning module](#)

#### Target Audience

Facilities/process engineers, as well as engineers and operations staff involved in process safety and asset integrity.

#### You Will Learn

Participants will learn how to:

- Explain control valve sizing and selection for some common applications
- Explain the advantages, disadvantages, and typical applications of commonly used instrumentation
- Explain the application of commonly used process control techniques
- Explain how a Safety Instrumented System (Emergency Shutdown System) is applied in facility design, using the logic which was introduced in the Core module
- Apply the learning to the example facility

#### Product Details

Categories: [Midstream](#)

Disciplines: [Process Facilities](#) [Health, Safety, Environment](#)

Levels: [Foundation](#)

Product Type: Individual Skill Module

Format: On-Demand

Duration: 5.5 hours (approx.)

**\$795.00**