

Profit Optimizer Concepts and Implementation – Advanced



Course Overview

Course number: 4519

Course length: 3.5 days

Need to better understand the theory and philosophy behind Profit[®] Optimizer? Need to know how to design Profit Controller applications for greatest benefit and coordination by Profit Optimizer?

This course provides a fundamental understanding of how to design and implement coordinated Profit Controller and Profit Optimizer applications for process optimization.

Profit Optimizer's novel distributed quadratic program (DQP) optimization technology is presented to give a thorough understanding of its approach and differentiating features. Students learn to use the Profit Design Studio utilities to build Profit Controller and Profit Optimizer applications, and then implement their control and optimization strategies on a simulated process.

Course Benefits

Learn how to design and implement Profit Optimizer and Profit Controller strategies

- Learn the theory and philosophy of Profit Optimizer and how it differs from other optimization technology.
- Learn important considerations for Profit Controller designs to be coordinated by Profit Optimizer.
- Learn what design strategies work in the field, don't work, and why.
- Learn how to implement and operate Profit Optimizer applications.

Course Delivery Options

- In-Center Instructor-Led Training.
- On-Site Instructor-Led Training.

Who Should Take This Course?

Process Control Engineers

- Responsible for designing, implementing, and/or supporting Profit Optimizer applications.
- Responsible for designing, implementing, and/or supporting Profit Controller applications to be used in Profit Optimizer strategies.
- Wanting to understand the theory and philosophy of Profit Optimizer.
- Making process optimization technology purchase decisions.

Prerequisite/Skill Requirements

Prerequisite Course(s)

- Completion of 4516 Course.

Desirable Skills and/or Experience

- Completion of 4513 Course.

Course Topics

The following topics are covered

- Overview of linear, nonlinear, and dynamic optimization concepts.
- Profit Controller optimization concepts review.
- Profit Optimizer concepts and design.
- Profit Optimizer structure.
- Profit Optimizer offline configuration builder.
- Profit Optimizer runtime configuration and implementation.
- Profit Optimizer online operation.

Additional Information

For additional information, please contact automationcollege.hpsemea@honeywell.com.