Course Overview

Course number: PDS-400
Course length: 2 days

This course provides knowledge on Extensibility in UniSim® Design and how to build customized Kinetic Reaction and Unit Operation models for steady state simulation using Visual Basic.

The course runs over two days and is made up of a series of hands-on workshops and each workshop is preceded by an Instructor-guided discussion and demonstration.

Course Benefits

- Create customized unit operations using the UniSim Design User Unit Operation model
- Create user-defined kinetic reaction schemes in Visual Basic and link them to UniSim Design
- Create user-defined steady state unit operations models in Visual Basic and link them to UniSim Design

Course Delivery Options

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

Who Should Take This Course?

- Users who need to supplement the standard UniSim Design model library with customized reactions and unit operations

This course is aimed at users with some experience of UniSim Design Steady State modelling.

Prerequisite/Skill Requirements

Prerequisite Course(s)
- PDS-4526

Required Skills and/or Experience
- None

Desirable Skills and/or Experience
- Familiarity with UniSim Design steady state modelling concepts
- Familiarity with Visual Basic

Course Topics

The following topics are covered

- Introduction to Extensibility in UniSim Design:
  - Introduction to Extensibility and the basic steps in creating an extension in UniSim Design.
- User Unit Operation:
  - Build customized steam ejector model using the UniSim Design User Unit Operation model.
- Extension Definition Files (EDFs):
  - How to use EDFs to define the graphical user interface to extensions
  - Build EDFs for kinetic reaction extensions
  - Build EDFs for unit operation extensions
- Kinetic Reaction Extensions:
  - Build a kinetic reaction extension in UniSim Design
  - Learn the benefit of reaction extensions
- Unit Operation Extensions:
  - Understand the fundamentals of coding unit operation extensions in UniSim Design
  - Build an extension to represent a Well Head.
- Enhancing Your Extensions:
  - Learn how to enhance extension with plots and other features

Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For more information and registration, visit www.honeywellprocess.com/en-US/training.