

ADU

Atmospheric Distillation Unit

Z241e – Web-based training (External version)

Course duration

1.2 hours, depending on personnel knowledge

Course type

This is a web-based training course. The course includes self-study material and self-assessment questions. The language of the course is English.

Course goal

The goal of this course is to enable students to develop an understanding of the role of the ADU in the overall refinery configuration, its feed, intermediate and product streams and its key unit operations:

- Cold Preheating
- Desalting & Flashing
- Hot Preheating
- Crude Heater
- Atmospheric Tower & Side Strippers
- Compression
- Absorption
- Stripping
- Stabilization
- Splitting

Student profile

- Sales/Service engineers
- Product engineers and
- All interested employees inside ABB

Course objectives

Upon completion of this course, students will be able to:

- Describe the process flow
- Name the principal items of equipment
- Describe their function
- Understand their principles of operation
- Recognize their internal components

Additionally, students should be able to demonstrate an awareness of:

- Important process variables and how they're controlled
- Major operating constraints

- Typical operating problems

Course Modules

This course has four modules. Module 01 provides an overview of the ADU, and Modules 02 - 04 describe each of the unit operations that make up the ADU:

- Module 01 – Overview
- Module 02 – Cold Preheat, Desalting & Preflashing and Hot Preheat
- Module 03 – Crude Heater & Atmospheric Tower
- Module 04 – Compression, Absorption & Stripping, Stabilization and Splitting

BU Measurement & Analytics

Contact

[>>>Mailto](mailto:abb@abb.com)

www.abb.com/measurement

www.abb.com/abbuniversity