

# FCCU

Fluidized Catalytic Cracking Unit

## Z247e – Web-based training (External version)

### Course duration

1.25 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 FCCU in the overall refinery configuration, its feed, intermediate and product streams and its key unit operations:

- Reactor
- Regenerator
- Fractionation
- Wet Gas Compression
- High Pressure Separation
- Primary & Secondary Absorption
- Stripping
- Stabilization
- Splitting
- Regenerator Flue Gas Heat Recovery
- Slurry & HCGO Pumparound Heat Recovery

### 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

01 - 04 describe each of the unit operations that make up the FCCU:

- Module 01 – Cracking Reactions
- Module 02 – Reactor
- Module 03 – Regenerator
- Module 04 – Fractionator & Gas Plant

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### BU Measurement & Analytics

Contact

[>>>Mailto](mailto:)

[www.abb.com/measurement](http://www.abb.com/measurement)

[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)

### Course Modules

This course has four modules. Module 01 provides an overview of the FCCU, and Modules