

## Course description

# A331

## Advant Controller 400 with S800 I/O and MasterPiece 200 Configuration and Operation

### Course goal

The course goal is to teach students how to configure and operate Advant Controller 400 Series with remote S800 I/O and the MasterPiece 200/1. How to write programs in AMPL

### Learning objectives

Upon completion of this course the participants will be able to:

- Program Advant Controller 400 / MasterPiece 200/1 using Advant Station 100 Series Engineering Stations. (Also applicable to the on-line builder option for the Advant 500 Operator Station.)
- Use equipment in normal operation

### Participant profile

System, process, and application engineers.  
Instrumentation, electrical, and service engineers



### ABB (China) Ltd.

#### ABB University Beijing Center

Post Code: 100015

Universal Plaza, 10 Jiuxianqiao Lu, Chaoyang District  
Beijing, P.R. China

Phone: +86 10 84566688

Fax: +86 10 84567629

E-Mail: [abb-university.china@cn.abb.com](mailto:abb-university.china@cn.abb.com)

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

### Prerequisites

- Basic knowledge of logic diagrams
- Basic knowledge of how processes are controlled
- Basic knowledge of MS Windows

### Topics

- Advant OCS philosophy and products
- Block selection (PC-elements)
- AMPL programming methods
- How to define, dimension, and populate a database
- On-line Builder software (PC programming, dumping, loading, and parameter adjustment).
- Introduction to AdvaBuild Function Chart Builder (FCB)

### Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

### Duration

The duration is 5 days.

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