

## Course description

# SE122

## System 800xA with AC 800M Engineering, Function Designer

### Course goal

The goal of this course is to learn the engineering with Function Designer as the engineering tool. Note that the follow-up course is T315H for the Human System Interface (HSI) configuration.

### Learning objectives

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

- n Create function diagrams, allocate them and generate the controller code
- n Display and change values in online mode
- n Analyze the work methodology using project specific templates
- n Create simple sequences using SPL
- n Parameterize signal objects and allocate them

### Participant profile

This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

### Prerequisites

Students should have attended the course T315C "Engineering with Control Builder" or have knowledge and experience associated with the content of this course.



### Topics

- n Function Designer concepts
- n Engineering with Function Designer
- n Function Designer templates
- n Sequential Programming Language (SPL)
- n Communication

### 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 2 days.

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### Course outline

Day 1	Day 2
<ul style="list-style-type: none"><li>n Function Designer concepts</li><li>n Engineering with Function Designer</li><li>n Function Designer templates</li></ul>	<ul style="list-style-type: none"><li>n Function Designer templates</li><li>n Sequential Programming Language (SPL)</li><li>n Communication</li></ul>