Course Duration
The duration is 5 days.

Course Goal
This course is designed to familiarize students with programming Function Code applications as they apply to various control strategies that are common to many industries.

Student Profile
This course is beneficial to students who are responsible for DCS process control implementation, Function Code logic maintenance and documentation.

Prerequisites and Recommendations
Students should have a basic knowledge of process control and operations concepts. Successful completion of either combination of the M101 or M111 and M103 or M202 courses is required unless special permission is requested and granted by the instructor. Basic knowledge and usage of applications running on a Windows NT or 2000 operating system is also recommended.

Description
This is an advanced course in which students will build upon their previous control system programming knowledge and implement control strategies to solve process control problems.

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

- Implement various control strategies such as:
  - Ratio Control
  - Cascade Control
  - Feedforward Control
  - FIFO (First In – First Out)
  - Sequence Generation
- Transmit/Acquire process control data from other controllers in the same PCU, other PCU’s and other Loops.
- Multiple Segment Analysis

Main Topics
- Symphony® Strategic Enterprise or Infi90 Open® System Architecture
- Composer Automation Architect Programming and Documentation
- ABB/Bailey Function Code Program Application
- Symphony® Strategic Enterprise or Infi90 Open® System Diagnostics and Monitoring
### Course Calendar

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