### Course Type
Classroom course

### Course Duration
The course duration is 3 days.

### Course Goal
The goal of this course is to teach students how to use the AdvaBuild in the APC2 system.

### Student Profile
This course is intended for application programmers.

### Prerequisites
- Basic knowledge of electronics
- Basic knowledge of using a computer
- Course G331. Please refer to the accompanying figure for the course name and duration.

### Description
This course belongs to a learning path. Please see the accompanying figure of possible learning paths.

### Course Objectives
Upon completion of this course, students will be able to:
- Program APC2 using the AdvaBuild program
- Test and trace faults in application programs

### Main Topics
- Hardware and software requirements of the PC
- Overview of AdvaBuild programming
- AdvaBuild installation
- APC2 system software installation
- Directory structure
- Project structure in the PC software
- Building, testing and fault tracing of application programs using the FCB
- Creating, using, testing and fault tracing of type circuits
- Overview of function blocks, cycle times and programming guidelines
- System rebuild using backups
- Communication between controllers, drives, control panels and field instruments
ACS600 Multidrive Learning Paths

Do you require ACS600 water-cooled operation or maintenance training?

- No
- Yes

G330 3 days
ACS600 Multidrive Operation and Maintenance

G304 1.5 days
ACS600 Single Drive Preventive Maintenance

G333 1 day
ACS600 Single Drive/Multidrive Water-Cooling System Start-Up, Maintenance and Service

G331/G331A 2 days
ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service

G340/G340A 3 days
Function Chart Builder (FCB) Programming for AC80/APC2

G215 3 days
SAMI STAR & ACV700 Drive Basics

G210 2 days
CDC (Common Drive Control) Start-Up, Maintenance and Service
SAMi STar & ACV700 course flow

- **G215**: 3 Days
  - SAMI STAR & ACV700 Drive Basics
  - SAMI STAR

- **G106**: 2 Days
  - LV AC PM basics
  - ACV700

- **G221**: 1.5 Days
  - SAMI STAR & ACV700 Preventive Maintenance
  - Field experience of SAMI STAR and/or ACV700

- **Fi106**: 1...2 Days
  - SAMI STAR & ACV700 Du/dt –measurement (ABB only)

- **Gxxx**: n Days
  - SELMA 2 Basic
  - SAMI STAR

- **G210**: 2 Days
  - CDC (Common Drive Control) Operation and Maintenance
  - ACV700

- **G340 / G340A**: 3 Days
  - FCB (Function Chart Builder) Programming for AC80/APC2

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