G340A – Function Chart Builder (FCB)

Programming for Advant Controller APC2

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:

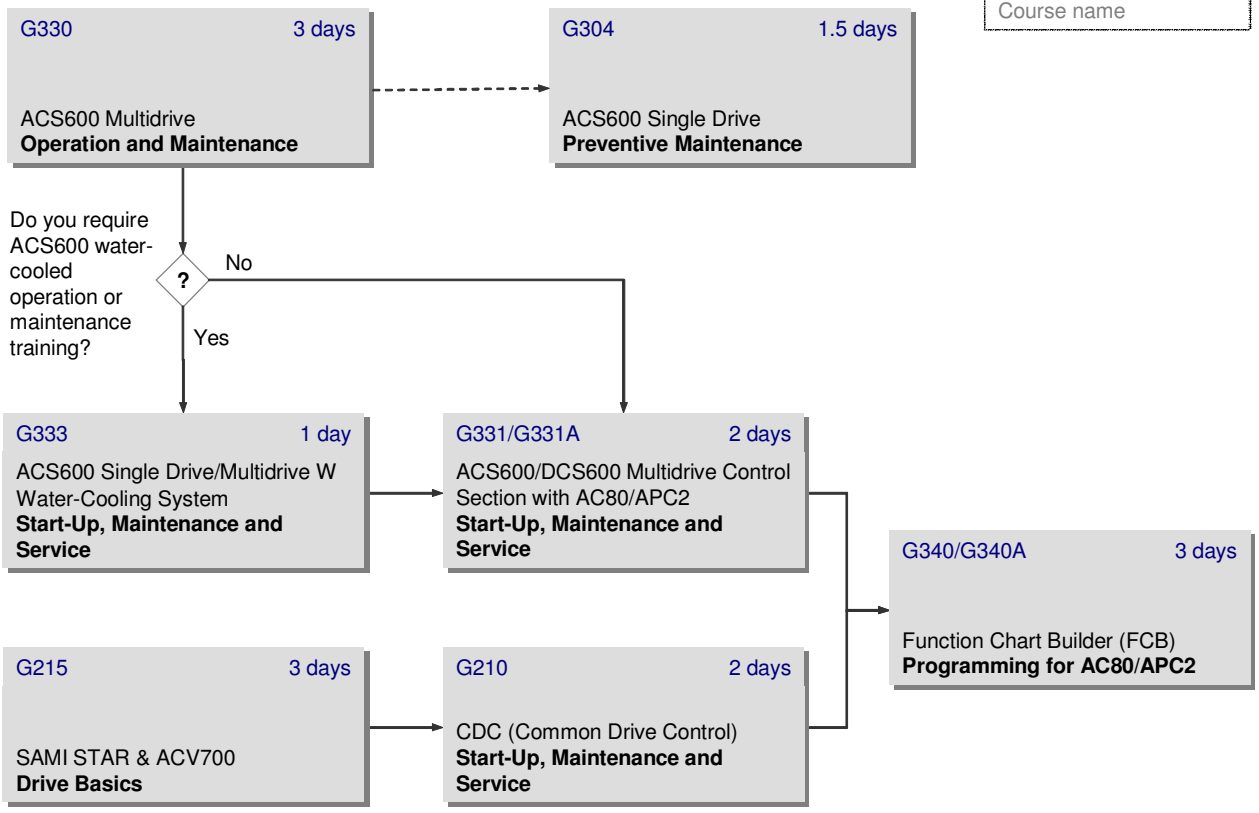
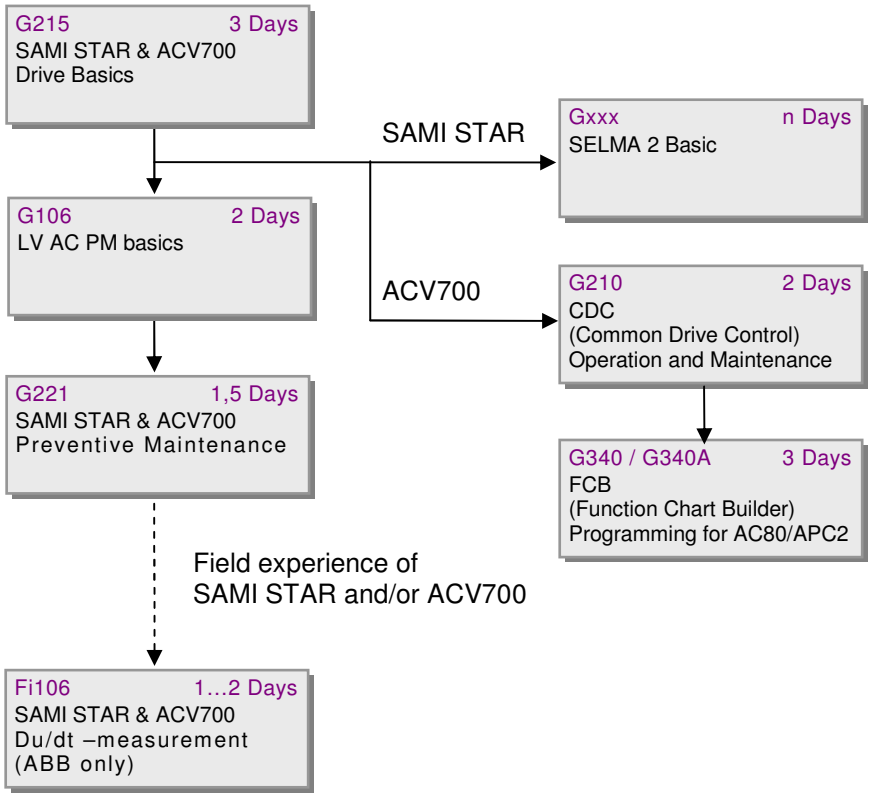
- Program APC2 using the AdvaBuild program
- Test and trace faults in application programs

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

Course code	Duration
Course name	



SAMI STAR & ACV700 course flow