

COURSE DESCRIPTION

G340

Function Chart Builder (FCB) Programming for Advant Controller AC80



Course Type and Description

This is a classroom course with hands-on lab activities supported by an instructor.

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

On request, this course can also be run for APC2 (Application Controller).



Main Topics

- Hardware and software requirements of the PC
- Overview of AdvaBuild programming
- AdvaBuild installation
- AC80 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
- Back-translating APC programs into the AC80
- Communication between controllers, drives, control panels and field instruments



Course Duration

The course duration is 3 days.



Student Profile

This course is intended for application programmers.



Course Goal

The goal of this course is to teach students how to use the AdvaBuild in the AC80 system.



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.



Course Objective

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

- Program AC80 using the AdvaBuild program
- Test and trace faults in application programs

Day 1

09:00 Introduction
09:20 Exercise
09:40 Training equipment Overview
10:00 Break
10:15 System Structure
11:20 Installation and Start-up of the FCB
12:00 Lunch
13:00 Exercise
14:00 Break
14:15 Exercises
16:00 End of the Day

Day 2

08:30 Project/Target Maintenance
10:00 Break
10:15 Type Circuit Setup
12:00 Lunch
13:00 Type Circuit Cont
14:00 Break
16:00 End of the Day

Day 3

08:30 Setting up Connections
09:30 Exercises
10:00 Break
10:15 Exercises
12:00 Lunch
13:00 Exercises
14:00 Break
14:15 Exercises
16:00 End of the Course

Street address

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Mailing address

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Low voltage drives training

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