Course Duration
The course duration is 2 days.

Course type
Classroom course

Course Goal
The goal of this course is to teach students to start-up, adjust, operate, maintain, troubleshoot and repair the Control Section of ACS600 multidrive systems.

Student Profile
This course is intended for electricians, technicians, and engineers who maintain the Control Section of ACS600 multidrive systems.

Prerequisites
- Basic knowledge of electronics
- Experience in using a Windows PC
- Course G330

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:
- Locate and correct faults, trace input and output signals of the APC2
- Make backups and restore application programs

Main Topics
- System components and functions
- Using and interpreting system documents
- APC2 (Application Program Controller) software principles
- FCB (Function Chart Builder) program operation in measurement and fault tracing
- Backup and restore
- Fault tracing methods
Agenda

G331A

ACS600/DCS600 multidrive control section with APC2 startup, maintenance and service

Day 1

09:00 Introduction to the APC2 control system

09:30 Installation of the APC2 control system
  - HW settings of the APC2 control system

10:00 Coffee break

10:15 System software package of the APC2
  - loading exercises

12:00 Lunch

13:00 Application program of the APC2 control system
  - structure
  - Function blocks generally
  - DB elements generally

14:00 Coffee break

14:15 FCB tool
  - editing & measuring
  - code handling

16:00 End of day 1

Day 2

08:30 Links between the APC2 control system and Devices

09:00 Coffee break

09:15 Control of drives
  - DriveBus
  - exercise

10:00 Control using ModuleBus
  - Electrical link
  - exercise

11:00 Control using AF 100
  - Exercise

12:00 Lunch

13:00 Fault tracing exercises and/or, depending on the course participants’ needs, following alternative subjects may be handled:

14:00 Coffee break

14:15 Course wrap-up

15:00 End of the course
### ACS600 Multidrive Learning Paths

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<td>3 days</td>
<td>ACS600 Multidrive Operation and Maintenance</td>
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<tr>
<td>G331/G331A</td>
<td>2 days</td>
<td>ACS600/DCS600 Multidrive Control Section with AC80/APC2 Start-Up, Maintenance and Service</td>
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<tr>
<td>G340/G340A</td>
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<td>G333</td>
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<td>ACS600 Single Drive/Multidrive Water-Cooling System Start-Up, Maintenance and Service</td>
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<td>G210</td>
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<td>G340</td>
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<td>ACS600 Single Drive Preventive Maintenance</td>
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**Do you require ACS600 water-cooled operation or maintenance training?**

- **Yes**
  - G331/G331A
  - G340/G340A
- **No**
  - G330
  - G340