

Course description

G162

ACS800 multidrive control section with AC800M

Course Duration

The course duration is 2.5 days.

Course type

Classroom course with hands-on lab activities supported by an instructor

Course Goal

The goal of this course is to teach students to start-up, operate, maintain, troubleshoot and repair the control section AC800M of ACS800 multidrive systems.

Student Profile

This course is intended for electricians, technicians, and engineers who maintain control sections of ACS800 multidrive systems with the AC800M.

Prerequisites

- Basic knowledge of electronics
- Experience with using a Windows PC
- Either of the following two learning paths:
 - Course G161
 - Courses G160e and G160

Please refer to the accompanying figure of ACS800 multidrive learning paths for course names and durations.

Description

This course contains hands-on training with AC800M units. This course belongs to a learning path that may utilize blended learning. Please see the accompanying figure of possible learning paths.

Course Objectives

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

- Perform the basic start-up tasks
- Locate and correct faults, trace input and output signals of the AC800M
- Replace a faulty module
- Make backups and restore application programs
- Use AC800M SW tool programs

Main Topics

- System components and functions
- Using and interpreting system documents
- Application program structure and basic functional blocks
- Operation and basic use of the SW tool program in monitoring and fault tracing
- Backup and restore
- Fault tracing methods and reparation of the AC800M

Low voltage drives training

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Agenda

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Day 1

- 13:00 Introduction of the course
- 13:15 Introduction of the AC800M
- 14:00 Break
- 14:15 HW for the AC800M
- 15:15 HW documentation
- 16:00 End of day 1

Day 2

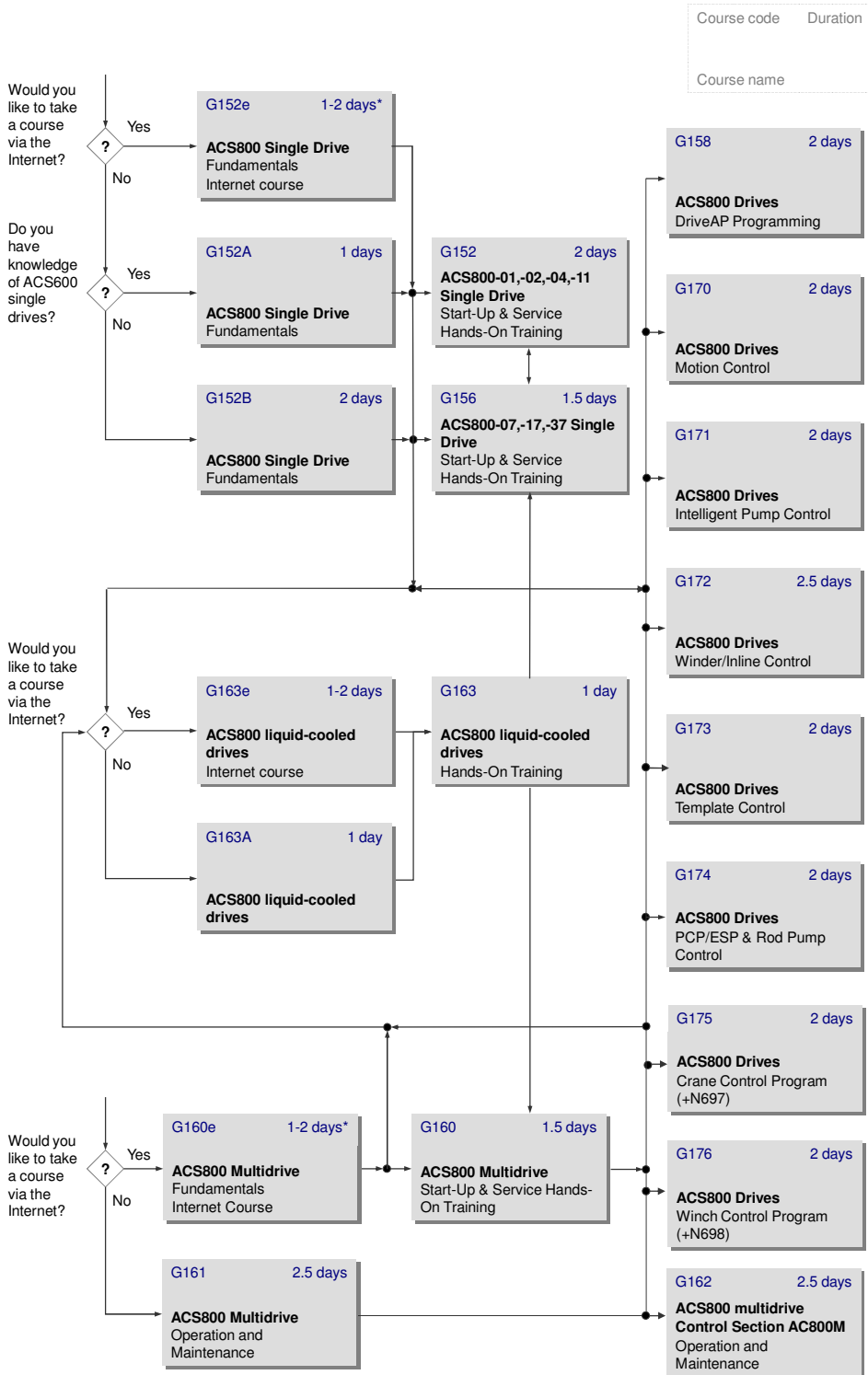
- 08:30 Introduction to the PC-tool
- 10:00 Break
- 10:15 PC-tool
 - Opening, loading, backup and restore
 - Exercises
- 12:00 Lunch
- 13:00 Control Builder Professional
 - Program structure
 - Programming languages
 - Exercises
- 14:00 Break
- 14:15 Control Builder Professional
 - Control Modules
 - Measuring
 - Exercises
- 16:00 End of day 2

Day 3

- 08:30 Links of the AC 800M and devices
- 08:45 Connection to S800 I/O
- 09:30 Break
- 09:45 Control of drives
 - DDCS
 - Exercises
- 10:30 Control Builder Professional
 - Diagnosis
 - Helps
 - Manuals
- 12:00 Lunch
- 13:00 SW construction
- 14:00 Break
- 14:15 Recap of the course
- 15:00 End of the course

Learning Path

ACS800 Learning Paths



* The duration of the Internet courses depends on personal professional background and study pace