

Course description

G170 ACS800 drive Motion control

Course Duration

The course duration is 2 days.

Course type

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

Course Goal

The goal of this course is to teach students to install, start-up, adjust, and operate ACS800 Motion Control drives.

Student Profile

This course is intended for electricians, technicians, and engineers who design, install, operate and service ACS800 Motion Control drives.

Prerequisites

- Basic knowledge of electronics
- Experience in using a Windows PC
- Course G152 or G156 or G160 or G161.

Please refer to the accompanying figure for course names and durations.

Description

The course contains theory part and hands on exercises with ACS800 Motion Control units.

This course belongs to ACS800 single drive and ACS800 multidrive with Control Section learning paths that may utilize blended learning. Please see the accompanying figure of the learning paths.

Course Objectives

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

- Commission and tune ACS800 Motion Control drives
- Activate and tune the features of ACS800 Motion Control drives

Main Topics

- Hardware
- Options
- Software overview
- Positioning
- Teach in
- Synchronising
- Electronic gear
- Cyclic corrections
- Cam Disk
- Homing
- Tuning of the Motion Control converter
- Installation principles
- DriveWindow commissioning and maintenance tool measurements for Motion Control drive

Low voltage drives training

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Course agenda

G170

ACS800 drive Motion control

Day 1

- 08:30 Introduction of the course
- 08:45 Motion Control introduction
- 10:00 Break
- 10:15 HW
- 10:40 Options
- 12:00 Lunch
- 13:00 SW overview, Positioning
- 14:00 Break
- 14:15 Synchronising, Homing, Installation
- 16:00 End of day 1

Day 2

- 08:30 Positioning Exercise
- 10:00 Break
- 10:15 Homing & teach in exercise
- 12:00 Lunch
- 12:45 Synchronisation exercise
- 14:00 Break
- 14:15 Cyclic correction & electric gear and Cam Disk Exercises
- 16:00 End of the course

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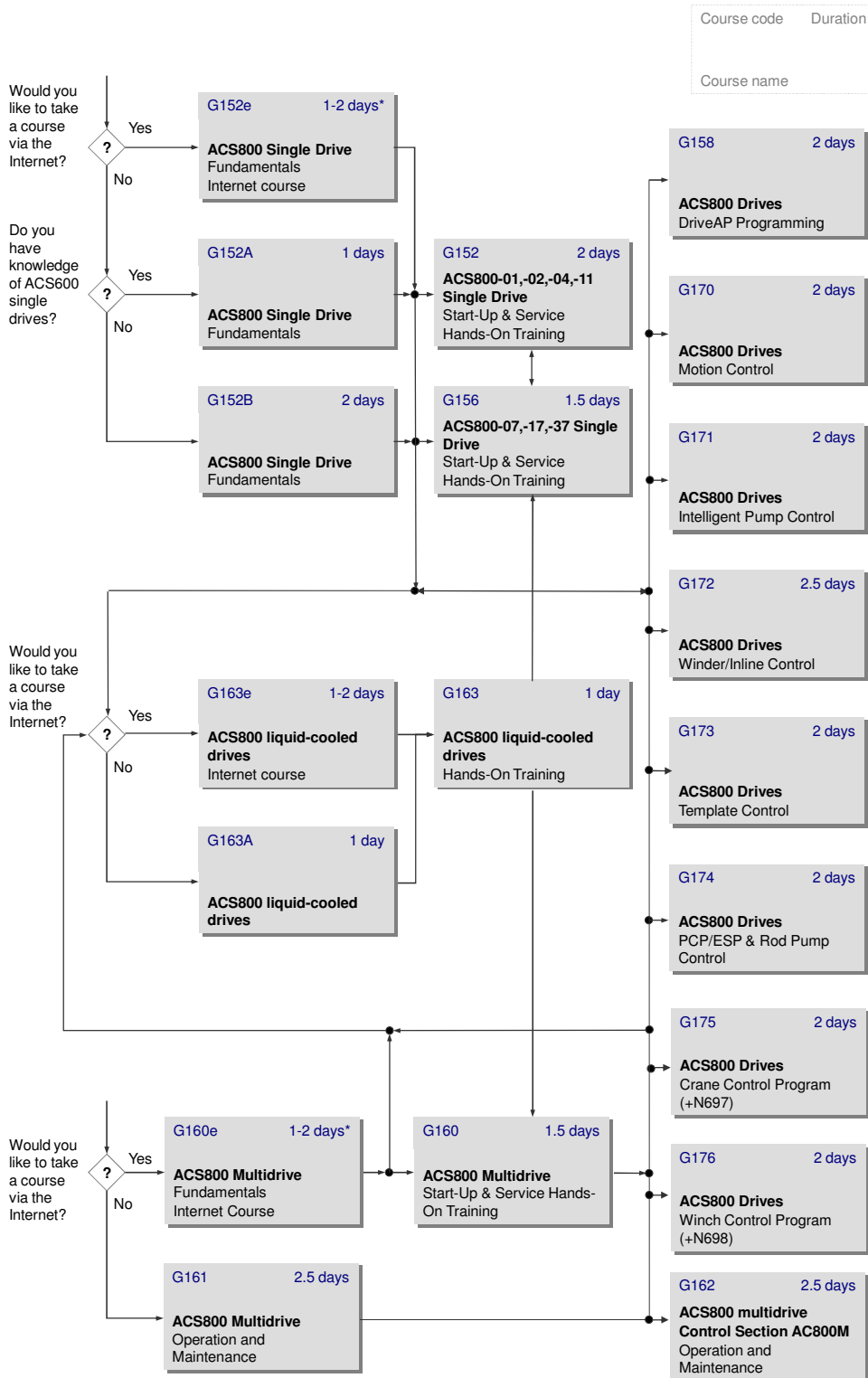
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Learning Paths

ACS800 drives Learning paths



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