

Course description

G172

ACS800 drives, winder/inline control

Course Duration

The course duration is 2.5 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 start-up, adjust, and operate ACS800 Winder/Inline Control drives.

Student Profile

This course is intended for electricians, technicians, and engineers who design, install, operate and service ACS800 Winder/Inline 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 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 possible learning paths.

Course Objectives

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

- Commission and tune ACS800 Winder/Inline drives
- Activate and tune the features of ACS800 Winder/Inline Control drives

Main Topics

- Software overview
- Tension control methods
- Dimensioning basics
- Inline application SW
- Center winder application SW
- Tuning of the Inline converter
- Tuning of the Center winder converter
- DriveWindow commissioning and maintenance tool measurements for Center winder drive
- DriveWindow commissioning and maintenance tool measurements for Inline drive

Low voltage drives training

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Course agenda

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Day 1

8:30 – 8:45	Course introduction
8:45 – 10:00	Tension Control Methods Open Loop Closed Loop
10:00 – 10:15	Coffee break
10:15 – 11:30	Dimensioning Basics Steps to Sizing a Motor and Drive Inline Application examples Winder Application examples
11:30 – 12:30	Lunch
12:30 – 14:00	Inline Application Software Basic Setup Application Specific Settings
14:00 – 14:15	Coffee break
14:15 – 16:00	Inline Application Software

Day 2

8:30 – 9:30	Inline Lab Exercises Master / Slave and DriveWindow setup for Progressive Draw
9:30 – 9:45	Coffee Break
9:45 – 11:3	Inline Lab Exercises – Continue Progressive Draw functionality & DW measurements
11:30 – 12:30	Lunch
12:30 – 14:00	Center Winder Application Software Basic Setup Application Specific Settings
14:00 – 14:15	Coffee Break
14:15 – 16:00	Center Winder Application Software

Day 3

8:30 – 10:00	Winder Lab Exercises
10:00 – 10:15	Coffee break
10:15 – 11:30	Winder Lab Exercises - Continues
11:30– 12:00	Feedback
12:00 – 12:30	Lunch

Low voltage drives training

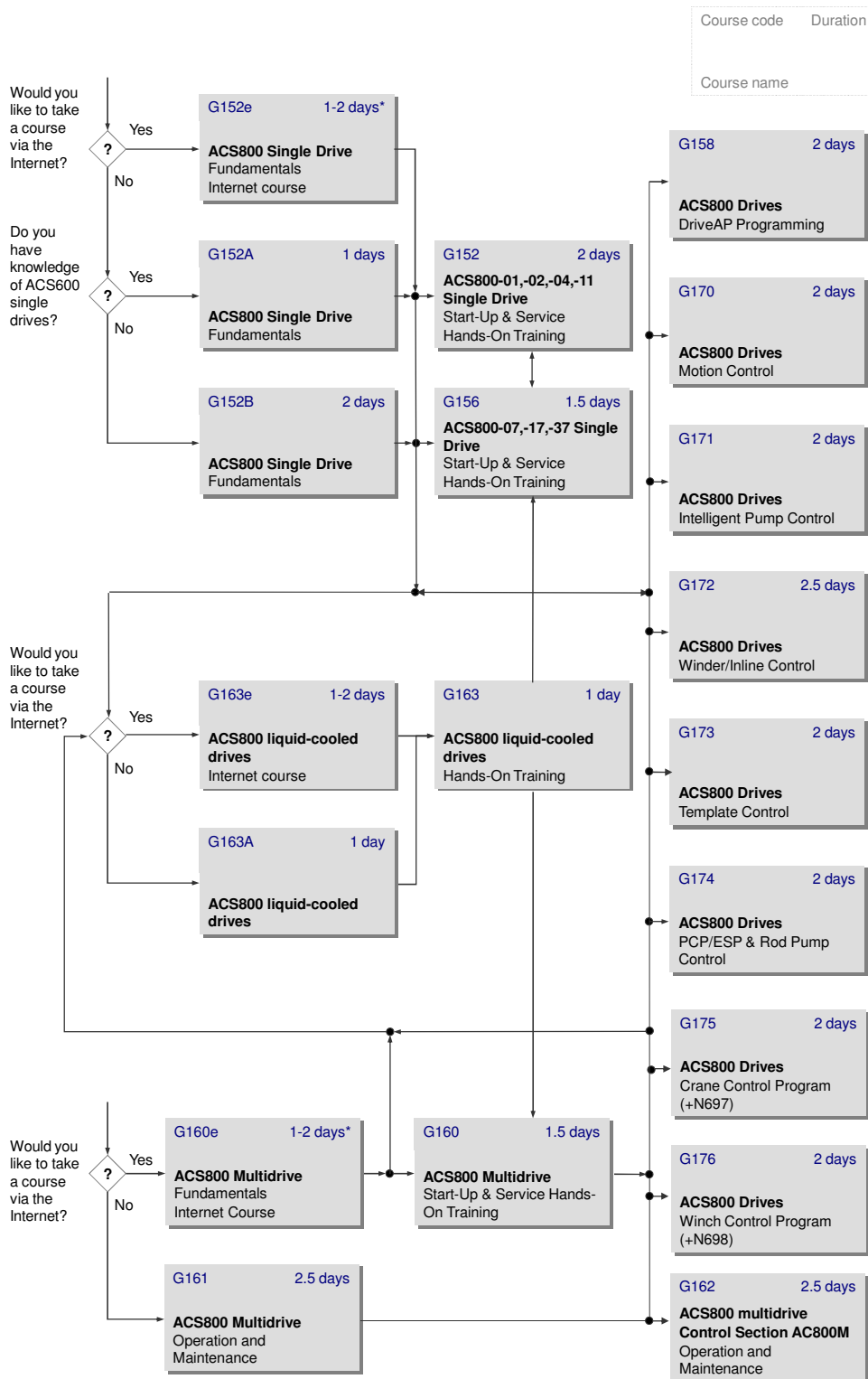
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Learning Paths

ACS800 drives Learning paths



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