

Course description

G163A

ACS800 liquid-cooled drives Fundamentals

Course Duration

The course duration is 1 day.

Course type

Classroom course

Course Goal

The goal of this course is to teach students the basics of installation, start-up, adjustment, operation, maintenance, troubleshooting and repair of ACS800 liquid-cooled drives.

Student Profile

This course is intended for electricians, technicians, and engineers, who install, operate and service ACS800 liquid-cooled drives.

Prerequisites

- Basic knowledge of electronics

Description

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

Course Objectives

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

- Describe the functions of the ACS800 liquid-cooled drives
- Describe the hardware structure of the product
- Activate and use the ACS800 liquid-cooling unit software
- Describe the basics of installation, commissioning, maintenance and service operations of ACS800 liquid-cooled drives
- Describe the basic principles of fault-tracing

Main Topics

- Overview of the ACS800 liquid-cooled drives features
- Hardware construction
- Component and board functions
- Optional equipment overview
- Fieldbus communication
- Fault tracing principles
- Installation principles
- Liquid-cooling unit start-up
- Basic service operations
- Supply units operations

Low voltage drives training

ABB University Finland, Helsinki Training Center
Helsinki.abbuniversity@fi.abb.com
www.abb.com/abbuniversity

Course agenda

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Day 1

- 08:30 Course Information
- 08:45 System Information
- 09:15 Coffee break
- 09:30 Inverter Unit
- 10:15 Diode Supply Unit
- 11:00 Brake Unit
- 11:15 Lunch
- 12:00 Liquid Cooling Unit
- 12:15 Installation
- 13:15 Liquid Cooling Unit start-up
- 14:00 Coffee break
- 14:15 Module replacements
- 16:00 End of day 1

The course continues next day with hands-on training (G163) at 9:00 clock

Day 2

- Course code G163:
- 09:00 Course Information
- 09:15 Location exercise / Fan replacement exercise
- 10:00 Coffee break
- 10:15 Location exercise / Fan replacement exercise
- 11:00 Module replacement, exercise / Liquid Cooling Unit start-up, exercise
- 12:00 Lunch
- 13:00 Inverter unit, component locations exercise
- 14:00 Coffee break
- 14:15 Module replacement, exercise / Liquid Cooling Unit start-up, exercise
- 15:30 Questions & Feedback
- 16:00 End of the course

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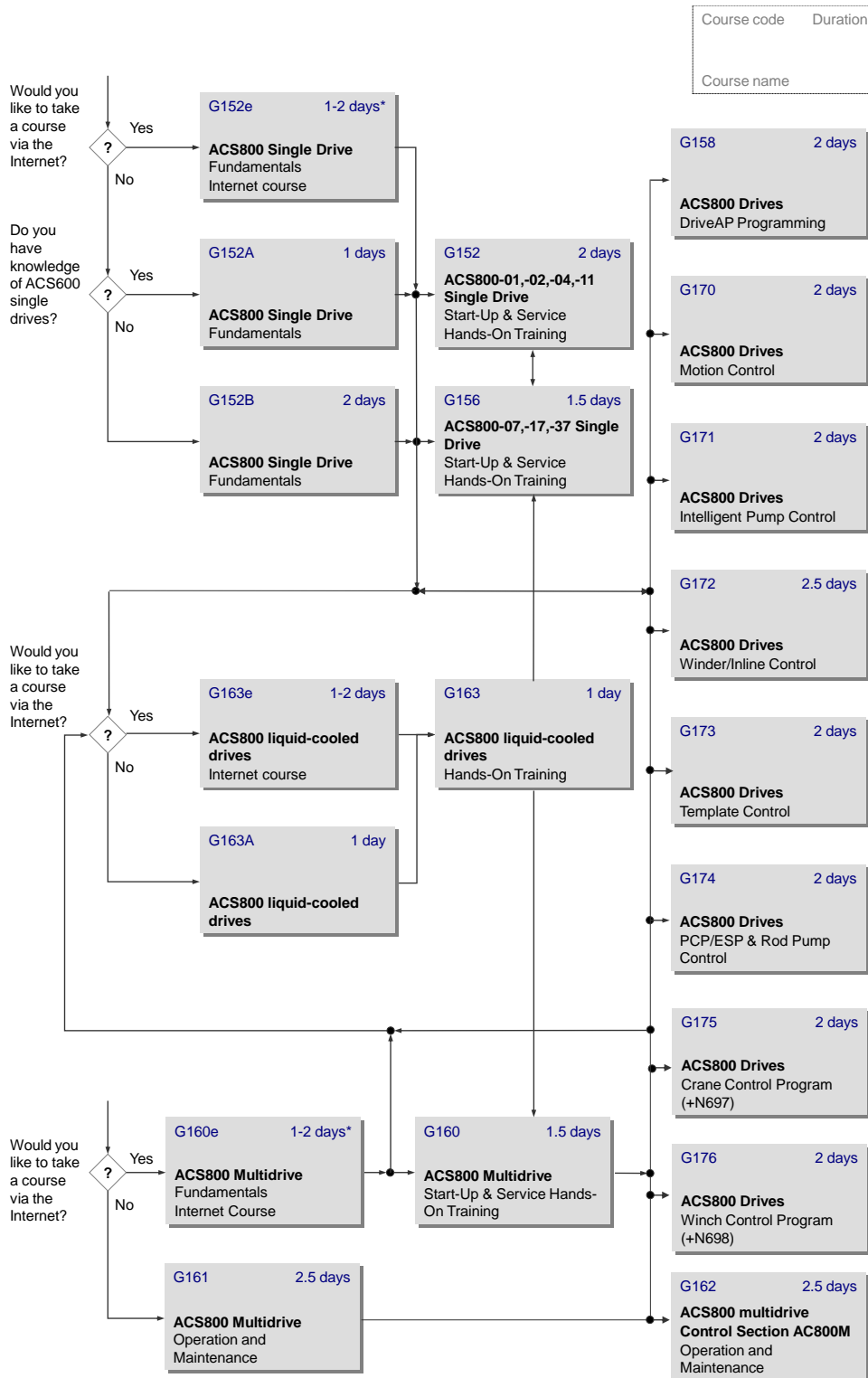
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Learning Path

ACS800 drives Learning path



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