

## Course description

# G333

## ACS600 single drive/multidrive, water-cooling system startup, maintenance and service

### Course Duration

The course duration is 1 day.

### 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, operate, maintain, troubleshoot and repair the water-cooling system of ACS600 single drive/multidrive W frequency converters and replace ACS600 single drive/multidrive W inverter and supply modules.

### Student Profile

This course is intended for electricians, technicians, and engineers who commission and service water-cooled ACS600 single drives/multidrives.

### Prerequisites

- Course G330 or G300

Please refer to the accompanying figure of learning paths relating to this course.

### Description

This course contains classroom lectures and hands-on training with water-cooled ACS600 units. This course belongs to several learning paths. Please see the accompanying figure of possible learning paths.

### Course Objectives

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

- Describe the construction of the ACS600 single drive/multidrive W water-cooling system
- Make connections between the transportation units
- Perform basic maintenance operations

### Main Topics

- Overview of the water-cooled ACS600 single drive/multidrive W frequency converters
- Installation of water-cooled inverters
- Commissioning of the water-cooling system
- Maintenance

### Low voltage drives training

ABB University Finland, Helsinki Training Center  
Helsinki.abbuniversity@fi.abb.com  
[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)

## Course agenda

# G333

## ACS600 single drive/multidrive, water-cooling system startup, maintenance and service

### Day 1

- 09:00 Welcome and introduction
- 09:15 Product introduction
  - General configuration
  - Control functions
- 09:40 Installation
  - Water pipe connections
  - Busbar connections
- 10:15 Coffee
- 10:30 Commissioning
  - Filling and aerating the system
  - Settings in the control program
- 12:00 Lunch
- 12:45 Maintenance
  - Annual
  - Water-cooling section
  - Supply sections
  - Inverter sections
- 14:00 Coffee
- 14:15 Exercises
  - Filling and deaerating
  - Control program commissioning
- 16:00 End of the course

### Low voltage drives training

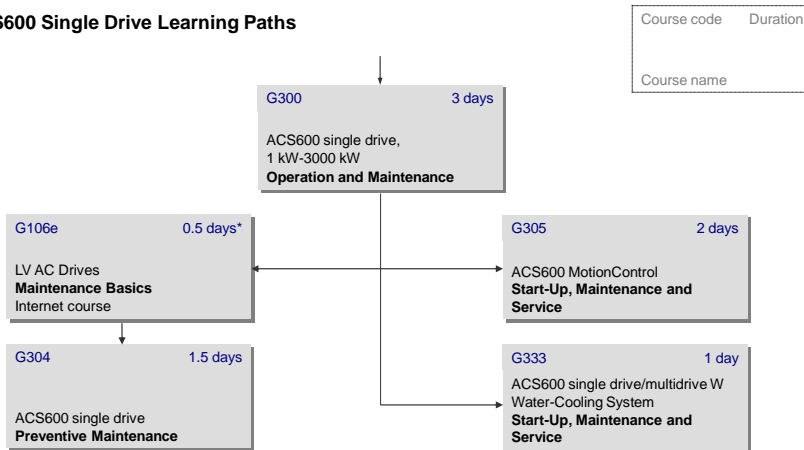
ABB University Finland, Helsinki Training Center  
Helsinki.abbuniversity@fi.abb.com  
[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)

## Learning Paths

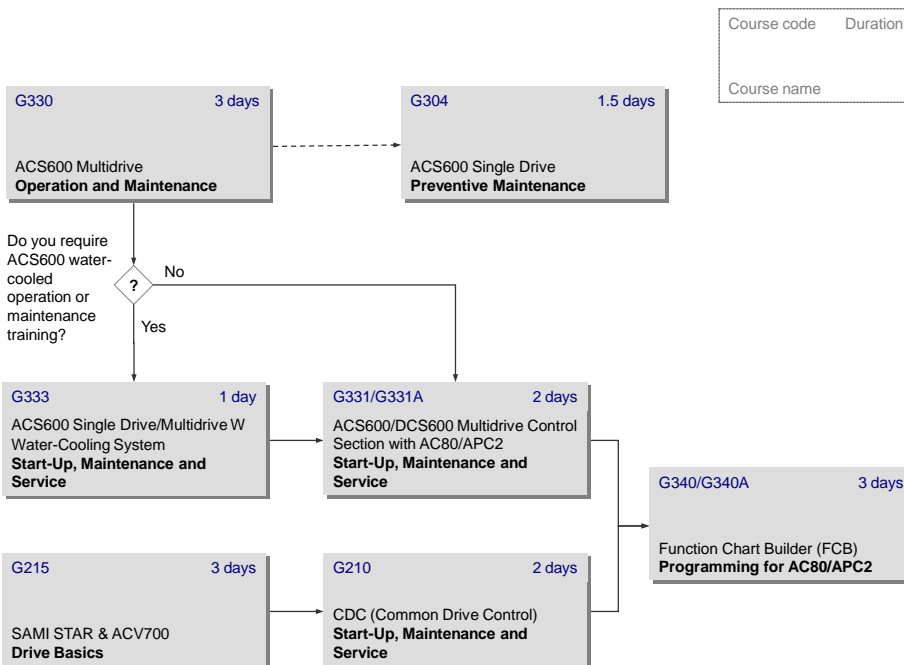
# ACS600 single drives and multidrives

## Learning paths

### ACS600 Single Drive Learning Paths



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



### Low voltage drives training

ABB University Finland, Helsinki Training Center

Helsinki.abbuniversity@fi.abb.com

[www.abb.com/abbuniversity](http://www.abb.com/abbuniversity)

Power and productivity  
for a better world™

