

Course description

G106

LV AC drive maintenance basics

Course Duration

The course duration is 1 day.

Course type

Classroom course

Course Goal

The goal of this course is to deepen, after the web course, students knowledge of the basic technical principles of the ABB LV AC drives maintenance.

Student Profile

This course is intended for LV AC drives maintenance personnel of ABB and authorized service partners.

Prerequisites

- G106e web course.
- Fundamentals of ABB LV AC drives mechanics and operation
- Some experience of both single and system drives

Description

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

Course Objectives

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

- Explain the significance of the correct working methods (safety, ESD)
- Recognize the effect and analyze the state of critical ambient conditions
- Recognize the effects of aging of components
- Recognize the aging of the whole drive system and as a result the possible need for corrective actions
- Recognize different mechanical and electrical connection types, check the condition of the connections and as a result recognize the possible need for corrective actions.

Main Topics

- LV Drives preventive maintenance
- Safety and ESD
- Ambient conditions
- Aging of the drive system and components
- Connections
- Preventive maintenance tools

Low voltage drives training

ABB University UAE, Dubai Training Center
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Course agenda

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Day 1

09:00 Welcome and introduction

09:15 Safety and ESD

10:00 Coffee break

10:15 Exercises

- determining the age of drive
- speed controller effects

11:00 Brainstorming session

- environmental effects

12:00 Lunch

13:00 Brainstorming session

- environmental effects

13:45 Exercises

- corrosion recognition
- checking & correcting connections
- fibre optics measurement and making of optic fibre

14:00 Coffee break

14:15 Exercises

15:30 Summary and end of the course

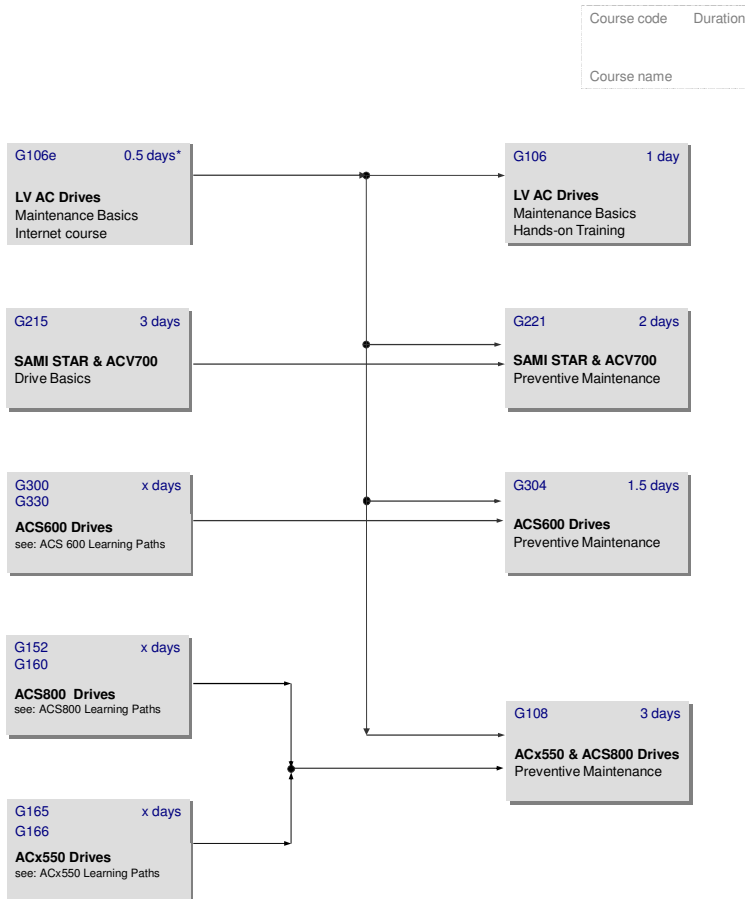
16:00 End of the course

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Learning Paths

Preventive maintenance Learning paths



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

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