

## Course description

# G191e

# ACSM1 machinery drive, motion control features, Internet course

## Course type

Internet course

## Course Duration

The course duration is approximately 1 hour depending on personal background knowledge and study pace.

## Course Goal

The goal of this course is to teach students the basics motion control features of ACSM1 single drives.

## Student Profile

This course is intended for electricians, technicians, and engineers who design, operate and service ACSM1 single drives.

## Prerequisites

- Basic knowledge of electronics
- G190e internet course
- Experience in using a computer and Internet browser. The recommended browser is Microsoft Internet Explorer version 5.0 or later.
- An Internet connection

## Description

This course includes self-study material and self-assessments. 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 motion control functions of the ACSM1 drive
- Describe the position feedback handling
- Describe the point to point positioning
- Describe the basics of synchronization
- Describe the basics of cyclic correction for the ACSM1 single drives
- Describe the basic principles of homing

## Main Topics

- ACSM1 motion control overview
- Position feedback handling
- Point to point positioning
- synchronization
- cyclic correction
- CAM functions
- Homing
- Application examples

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