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