**BECKHOFF**

**Attention:** The following topics are *not* addressed during this class:

- I/O, Hardware, and Drive Troubleshooting/Maintenance
- TwinSAFE
- Tuning

## Prerequisite:

Students are expected to know how to "Scan Devices" in the System Manager
and have an understanding of using "Function Blocks" in the PLC. This class will require the
student to write their own code using CASE statements. If you have little to no experience with
TwinCAT then you should take the TR1020 or TR1025 class first.

## Topics Covered

Function Blocks

- Declaration
- Coding
- Use

Structures

Enumerations

Connecting PLC Axis Variables to the NC-Configuration

Overview of NC Axis Components

Use and parameterization of the NC-Configuration

Use of the MC2 Motion Library

PLC Programming for enabling and moving and axis

Coupling and decoupling of axes

Scope View with Servos