

COURSE DESCRIPTION

RobotStudio 1

9CSC013040-GLB-EN

Course Goal

The goal of the course is that the participant after completed course should be able to create stations, programs and simulations in RobotStudio.

Course objectives

Upon completion of this course, the student will be able to:

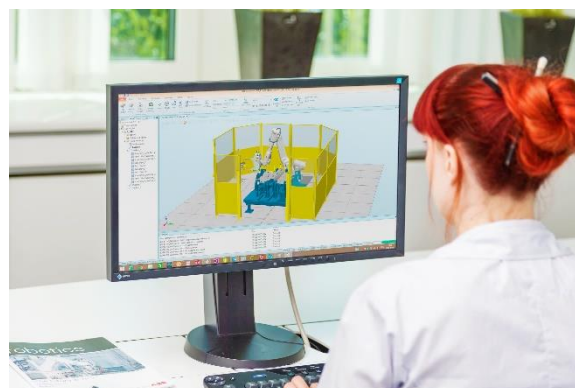
- Build a station in RobotStudio.
- Use graphical programming to program virtual robots.
- Analyze signals in a simulation and use this to improve performance.
- Create basic 3D objects to use in simulations.
- Set up “virtual wiring” between components in a station virtual station.
- Transfer programs from a virtual controller to a real controller.
- Set up station with an external axis such as a track or positioner.
- Create a realistic station and record simulation videos for sales purposes.

Student profile

This course is aimed at robot programmers that want to start using RobotStudio. You should have completed a basic programming course for ABB Robots or have corresponding experience.

Prerequisites

Basic knowledge about RAPID programming and robots. Basic PC knowledge, such as opening programs and folders in Windows.



Course content

- Health & Safety
- RobotStudio Courseware Files
- RobotStudio Basics
- Zone Visualization
- Graphical Programming
- Signal Analyzer
- Modeling
- Programming and Simulating IO Signals
- Transfer
- External Axes
- Sales Tools

Course type

The course is instructor-led. Approximately 75% of the course time is hands-on exercises.

Course duration

The course lasts 4 days.

COURSE DESCRIPTION

RobotStudio 1

Course schedule

Day 1

AM	<ul style="list-style-type: none">- Health & Safety- RobotStudio Courseware Files- RobotStudio Basics
----	---

PM	<ul style="list-style-type: none">- RobotStudio Basics, continued
----	---

Day 2

AM	<ul style="list-style-type: none">- Zone Visualization- Graphical Programming
----	--

PM	<ul style="list-style-type: none">- Graphical Programming, continued- Signal Analyzer
----	--

Day 3

AM	<ul style="list-style-type: none">- Modeling
----	--

PM	<ul style="list-style-type: none">- Programming and Simulating I/O Signals
----	--

Day 4

AM	<ul style="list-style-type: none">- Transfer- External Axes
----	--

PM	<ul style="list-style-type: none">- Sales Tools
----	---
