



# PLC Training Course - B&R Automation Studio Basics Programmers

I98 TM210

## PLC Training Course - B&R Automation Studio Basics Programmers: Target Group

This course is intended for first-time B&R Automation users that need to gain an introduction to the Automation Studio software and learn the essentials of setting up a project. This is a course for system developers and programmers.

PLC Programming Software: B&R Automation Studio

## PLC Training Course - B&R Automation Studio Basics Programmers: (Pre) Knowledge

Students should have attended [PLC - Introduction to PLCs](#) or equivalent, or demonstrate equivalent knowledge from experience.

Students must have a strong familiarity with the Windows operating system GUI.

## PLC Training Course - B&R Automation Studio Basics Programmers: Content

Participants will gain competency in creating a B&R Automation project from the ground up using the Automation Studio software. The content covers licencing, navigation, functionality, hardware configuration, programming methods and B&R PLC data types.



## PLC Training Course - B&R Automation Studio Basics Programmers: Methods

ATS courses are given by highly qualified trainers, with practical knowledge, in professional ATS training centres or On-Site. Prior to the course an intake conversation can take place to define the participant(s) and the company's requirements. Presentations (theory and examples) as well as practical exercises bring the courses to life. ATS courses are interactive, the trainer will always make sure the training contents link back to your situation.

## PLC Training Course - B&R Automation Studio Basics Programmers: Specific Curriculum

### Topics

Automation Studio is the universal engineering tool used to program and configure all B&R products. Operation is centred around configuring, programming and commissioning the B&R automation components.

### Lesson 1

- Installation and licencing
- Creating and opening projects
- Working with the simulation environment
- Setting up hardware configurations
- Installation and initial start up



**Lesson 2**

- Establishing an online connection
- Module configuration and I/O mapping
- Overview of programming methods
- Declaring data types and variables
- Cross-reference lists
- Installing software updates

