

# ABB Robotics Training Advanced Programming Training



## Type of Robots

- All Types

## Target Group

- Electrical engineer, programmer
- Project engineer, application engineer

## Course Objectives

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

- Use advanced declarations of modules, routines, and data
- Program Function instructions
- Program Interrupt instructions
- Program Error Handling instructions
- Program simple robot programs

## Prerequisites

- Basic computer skills
- Attendees must have attended Basic Programming Training or have equivalent experience.

## Course Information

- Course Duration: 5 days
- Number of participants: 4-6 persons
- 2 persons per training robot

## Course Contents

- Safety
- Program structure
- Programming skills and program reading
- Data and function
- System parameters
- Routine and parameters
- Interrupt
- Error Handling

# Training Schedule

## 1<sup>st</sup> day

Safety  
Data type  
Data structure  
Routine with parameters  
Program reading

## 2<sup>nd</sup> day

Function overview  
Function instructions  
Function structure  
Program Function instructions

## 3<sup>rd</sup> day

Interrupt overview  
Interrupt instructions  
Program Trap

## 4<sup>nd</sup> day

Error handling structure  
Error handling instructions  
Backward handling

## 5<sup>th</sup> day

Test  
Questions & Answers  
Practice

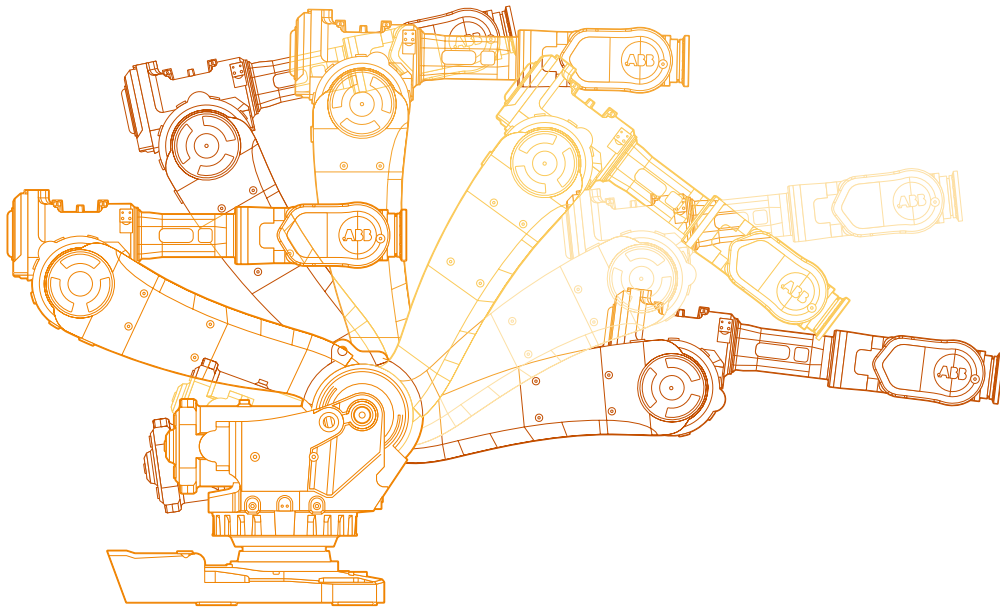


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