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Training planner 2020

Robotics Benelux

Skilled and qualified people are necessary to reduce production costs and to exploit the full potential of modern robot technology. Many students are trained in our Benelux facilities every year.


Training planner 2020

Robotics Benelux

ABB reserves the right to cancel or postpone a session if the number of participants is less than 3.
Other training sessions on request.

All detailed information sheets of our training courses are available on request.

- Z**Location Zaventem
- Z***Location Zaventem, French language
- D**Location Delft

Type of training course		January					February				March				April					May				June				July					August				September				October					November				December				
		30 to 3	6 to 10	13 to 17	20 to 24	27 to 31	3 to 7	10 to 14	17 to 21	24 to 28	2 to 6	9 to 13	16 to 20	23 to 27	30 to 3	6 to 10	13 to 17	20 to 24	27 to 1	4 to 8	11 to 15	18 to 22	25 to 29	1 to 5	8 to 12	15 to 19	22 to 26	29 to 3	6 to 10	13 to 17	20 to 24	27 to 31	3 to 7	10 to 14	17 to 21	24 to 28	31 to 4	7 to 11	14 to 18	21 to 25	28 to 2	5 to 9	12 to 16	19 to 23	26 to 30	2 to 6	9 to 13	16 to 20	23 to 27	30 to 4	7 to 11	14 to 18	21 to 25	28 to 1
Week number		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53
	Basic IRC5	M			Z								D								Z				D												Z*					D			Z									
	Basic IRC5	T			Z								D								Z				D												Z*					D			Z									
	Programming IRC5	W			Z								D								Z				D												Z*					D			Z									
	Programming RS IRC5	T			Z								D								Z				D												Z*					D			Z									
	Intensive Programming IRC5	F			Z								D								Z				D												Z*					D			Z									
	Robotstudio 6 Premium	M					Z							D									Z			D												Z*						D			Z							
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	Safemove	W					Z							D									Z			D												Z*						D			Z							
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	Advanced IRC5	M						Z							D									Z				D											Z*						D			Z						
		T						Z							D									Z				D											Z*						D			Z						
	Electrical Service IRC5	M							Z																Z															Z*								Z						
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Basic IRC5 (2 days)

Day 1: Basic Robot Safety & Operations

IRC5 System Introduction
Working Safely with Robots
Jogging robots
Operating with flexpendant
IRC5 Program Structure

Day 2: Basic Movement & Tools

Programming Basic Movements
Operating I/O signals
Tool definitions
Working with TCP

Introduction to ABB robots and IRC5 controller. Program simple movements and perform basic actions.

Programming IRC5 (1 day)

Work Objects and I/O Communication

Workobjects
Movements with offset en Reltool Functions
Basic I/O communication

Write and modify basic programs independently using various programming instructions and features of the ABB Rapid programming language.

Programming RS IRC5 (1 day)

Robotstudio Online

RobotStudio introduction
Connecting with the robot
Controller Overview
Rapid Editor
Testing and Analyzing applications
Online Monitoring functions

Get acquainted with the use of Robotstudio. On-line programming and testing

Intensive Programming IRC5 (1 day)

Conditional and Interaction Rapid Instructions

Conditional Instructions
Operator Rapid Instructions
Practical Application set-up

Write and customize basic programs independently using various programming instructions and features of the ABB Rapid programming language. Intensive practical application.

Robot Studio 6 Premium (2 days)

Virtual Robot Station set-up
Basic Graphical Programming
External Axis Programming
Advanced Graphical Programming

This training is intended for robot programmers and design engineers. It provides a general insight into the possibilities of designing and programming in a virtual environment. The participant will be able to build a standard virtual robot station and program it off-line. Knowledge of CAD and RAPID is an advantage.

Safe Move (2 days)

Safemove Functionality
Safemove Graphical Configuration
Safemove Operation
Safemove Safety I/O Configuration
Conditional Safety Configuration

Knowledge of how to operate and program IRC5 is required. The target group is everyone involved in the design, commissioning or use of software-based configurations and safety zones.

Advanced IRC5 (2 days)

Advanced Programming Routines
Additional Functionality
Advanced I/O Configuration
Basic Multitasking
Software Options

This course is a follow-up to the Basic IRC5 Programming and is intended for everyone involved in the design, commissioning or use of an automated system that contains an industrial robot. By using more advanced programming instructions and functions, one learns to create more complex programs.

Electrical Service IRC5 (4 days)

System introduction
Safety
Use of the FlexPendant. Jogging in a coordinates system
IRC5 built of the program RAPID. Back-up and restore
Restart and Reboot procedures. Boot in Robotstudio
Description of the IRC5 controller and safety chain
Electrical circuit diagrams of the controller. Troubleshooting
Motor Drive system. Calibration of the Robot
Electrical circuit diagrams of the robot. Troubleshooting

Learn how to locate and solve electrical defects as well as how to carry out preventive electrical maintenance on the robots.