

Kawasaki Robotics (USA), Inc.



AS Language Programming

C, D, E and S Series Controller

- › This course is designed to introduce AS Language programming to Kawasaki robot operators, technicians, engineers, and programmers. The participant is introduced to the commands, syntax, and structure needed to program using Kawasaki robots' powerful language. AS Language is simple and relatively easy to learn for non-programmers.
- › Kawasaki's AS Language enables users to control the application process by providing the ability to create advanced logic, manipulate program locations, and integrate peripheral components, programmable logic controllers (PLCs), lasers, weld controllers, vision and remote sensing systems into the program.

Course Structure

This course consists of approximately 50% classroom presentation and 50% hands-on exercises. NOTE: If the participant prefers programming using a notebook/laptop computer, a computer with a RS232C port and a null modem cable, or Ethernet connection, can be used in class.

Course Goal

Upon successful completion of this course, the participant should be able to perform all necessary functions to create, edit and execute an advanced high-level program using the AS Language.

Who Should Attend

This course is primarily intended for individuals who program Kawasaki controllers on a day-to-day basis and other candidates who may wish to extend their programming knowledge. Participants attending this course need to have a general knowledge of the operation of Kawasaki C, D, E or S Series controllers, as well as basic computer skills.

Prerequisites

Kawasaki C, D, E or S Controller Operation and Programming course

Course Length

4 days (28 clock hours)

**TO REGISTER**

Call (248) 446-4297

Email training@kri-us.com

C, D, E and S Series Controller

AS Language Programming

Course Outline

- › Introduction
- › System Overview
- › Safety
- › Terminal Control Commands
- › Editor Commands
- › Transformations and Compound Transformations
- › Defining Locations
- › Data Control Commands
- › Motion Control
- › Robot Control Program Instructions
- › Program Control Monitor Commands
- › System Control Commands
- › Output Signal Control
- › Control Flow Program Instructions
- › Real Value Functions
- › Mathematical Functions
- › Location Value Functions
- › Process Control Programs
- › PC Interface
- › Mainline Programs
- › Error Codes and Help Information
- › Final Project



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Course Code

CPECON

Simple  friendly

For more information, visit www.kawasakirobotics.com/training

Assembly • Cutting • Dispensing • Grinding • Handling • Inspection • Packaging • Painting • Palletizing • Polishing • Tending • Welding

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CPECON - REV06/12

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