

US425

IRC5 Programming II

The goal of this course is to provide instruction in high level programming features and techniques. Designed for students who have successfully completed the IRC5 Programming I class (US420) and who need a greater depth of knowledge. This course does not provide a review of IRC5 Programming I (US420). This class starts where the IRC5 Programming I class (US420) left off.



Topics include

- Building and configuring Robot Software
- Online and offline program editing
- Advanced declarations of modules, routines and data
- Programming with interrupts and traps
- Searching and program displacements
- Error handling, backward handling and undo handling
- Advanced motion Instruction
- World zones

Course objectives

After successfully completing the course, the participant should be able to:

- Create, configure and download software
- Create and use modules, routine and data
- Create advanced tool center points
- Program search instructions
- Program position displacement instructions
- Program error handling instructions
- Program interrupt instructions and traps
- Use joint configuration instructions
- Use motion control instructions

Student profile

This course is intended for students that have attended the IRC5 Programming I (US420) course but require greater knowledge of programming features.

- System programmers or technicians with existing / developing programming skills.

Prerequisites

- IRC5 Programming I (US420)

Course duration:

The course duration is 4.5 days.

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