

US427 IRC5/S4 Expert Programming

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

Topics include

- Multitasking programming techniques.
- Creating Instructions, Functions, and Data.
- Serial communication capabilities.
- Load ID and Collision detection.
- Advanced program displacement.
- World Zones.
- Uploading and Downloading of programs.
- Using OPC
- User Authorization System

Course objectives

Upon completion of this course, students will be able to:

- Background tasks.
- Create custom instruction.
- Create custom functions.
- Create custom data types.
- Transfer information via serial channel.
- Setup Load ID and Collision detection.
- Manipulate data values.
- Program robot to load and unload programs.
- Defines zones for monitoring.
- Setup and basic use of OPC
- Setup User levels and grants.

Student profile

This training is targeted for system programmers or engineers with advanced programming skills.



Prerequisites

Students should have attended US425 IRC5 Advanced Programming within the last twelve months.

Duration

Course duration is 4.5 days.

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