

# PLC Programming Basics

This course is for participants who will create control programs for programmable controllers for the first time.

## Introduction Purpose of the Course

This course explains about programming, which could be used for the MELSEC programmable controllers.

One of the main programming languages is Ladder Diagram (LD). This course covers essential points of ladder programming including its main instructions.

Some sections of this course are based on the basic courses of the MELSEC programmable controllers. It is recommended to take the relevant basic course prior to taking this course.

## Introduction Course structure

The contents of this course are as follows.

### Chapter 1 - PLC programming

This chapter explains essential points of ladder programming.

### Chapter 2 - Bit device instructions

This chapter explains about instructions containing bit devices (ON/OFF).

### Chapter 3 - Word device instructions

This chapter explains about instructions containing word (numerical) devices.

### Chapter 4 - Program branching instructions

This chapter explains about instructions that make branched programs.

### Final Test

Passing grade: 60% or higher is required.

You have completed the Final Test. Your results are as follows.  
To end the Final Test, proceed to the next page.

Correct answers : 11

Total questions : 11

Percentage : 100%

Proceed

Review

**Congratulations. You passed the test.**

You have completed the **PLC Programming Basics** course.

Thank you for taking this course.

We hope you enjoyed the lessons and the information you acquired in this course will be useful in the future.

You can review the course as many times as you want.

**Review**

**Close**