

RT Toolbox3 Robot Basic Programming

OEM: Mitsubishi Electric

COURSE DESCRIPTION

This course is intended to introduce and take an in-depth look at the features and programming languages of the RT Toolbox3 software. Key topics include, parameters, programming, monitoring, and basic operations.

AUDIENCE PROFILE

- Students responsible for programming and troubleshooting robots using RT Toolbox3

PREREQUISITES

- None, but some experience with robots is helpful

The following eLearning courses may be beneficial:

- <https://www.mitsubishielectric.com/fa/service-support/global/e-learning/eng.html>
- MELFA Basic and Maintenance (FR Series D Type)
- MELFA Basic and Maintenance (FR Series R Type / Q Type)

Course Hardware

- This course may be conducted on the FR Series robot controllers

COURSE OBJECTIVES

By the end of this course, participants will be able to:

- This section doesn't contain any content.

COURSE OUTLINE

Module 1

- Robot Safety
- Product Overview
- Basic Robot Operation
- Jogging
- RT Toolbox3

- Robot Simulation
- Customizing the 3D Window
- Programming Fundamentals
- Basic Motion
- Software Tools
- Connect to a Robot
- End of Arm Tooling
- Additional Programming
- Additional Motion
- Robot I/O
- Robot Parameters
- Status Monitoring
- Robot Maintenance
- Palletizing Operations
- RT Visual Programming