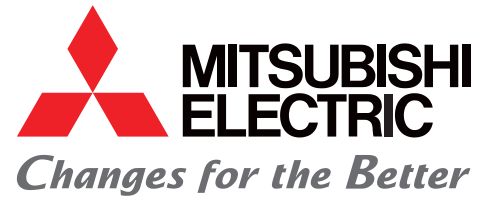




for a greener tomorrow



Introduction to G-code Programming

Operations and Programming

Course Description

| Introduction to G-code Programming | |
|------------------------------------|-------------|
| Course Code | MEPRG0-0101 |
| Course Credits | 4.0 credits |
| Length | 3 Days |
| Price | \$2,000 |
| Prerequisite | None |

INTRODUCTION

This course is intended to teach the basic fundamentals of G-code programming. The class will feature simple concepts of 2-axis and 3-axis programming. At the end of the course, the student will be able to write a simple G-code program from scratch.

WHO SHOULD ATTEND?

Students who are interested in learning G-code programming should attend this course. This course is not intended to teach the student to become a machinist. However, some practical instruction on machining will be provided.

COURSE HARDWARE

N/A

PREREQUISITES EXPLAINED

Students should have some basic knowledge of CNC operations.

COURSE OUTLINE

- LESSON 1 Monitor, Setup & Edit Screens
- LESSON 2 Cartesian Coordinate System
- LESSON 3 Feeds & Speeds
- LESSON 4 Tool/Work Offsets
- LESSON 5 G Codes
- LESSON 6 M, S, and T Codes
- LESSON 7 Absolute vs Incremental Programming
- LESSON 8 Program Design

CERTIFICATION LEVELS

Become a Mitsubishi Electric Level 1 Certified Specialist by taking only two additional classes along with this one – MEPLC0-0101 and any NC Maintenance class of your choice. Learn more about Level 2 Master Certification and Level 3 Expert Certification [here](#).

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