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# Multi-System Lathe Programming

## OPERATIONS & PROGRAMMING

### Course Description

Multi-System Lathe Programming	
Course Code	MEPRGL-0102
Course Credit	4.0 Credits
Length	3 Days
Price	\$2,000
Prerequisite	MEPRGL-0101

### INTRODUCTION

This course is intended to teach the advanced level of G-code programming on a Multi-system Lathe. The class will feature concepts of multi-axis and rotational programming. At the end of the course, students will be able to write a simple G-code program utilizing two (2) part systems from scratch.

### WHO SHOULD ATTEND?

Students who are interested in learning G-code programming for multi-system lathes 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

Before taking this course, students should have previously taken the CNC Lathe Programming Course (MEPRGL-0101).

### COURSE OUTLINE

- LESSON 1 Principles of Multiple Systems
- LESSON 2 Synchronization of 2 Spindles
- LESSON 3 Wait Codes
- LESSON 4 Timing Systems
- LESSON 5 Balance Cutting
- LESSON 6 Part Optimization
- LESSON 7 Program Design

### CERTIFICATION LEVELS

Become a Certified CNC Programmer by taking a few more classes combined with this one. Learn [here](#).

### MITSUBISHI ELECTRIC AUTOMATION, INC.

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