

# Getting Started with PIC<sup>®</sup> Microcontrollers

DATE: 3/29/2023

TIME: 9:00 am to 4:00 pm

LOCATION: Microchip Technology Regional Training Center, 112 Turnpike Road, Suite 200, Westborough Executive Park, Westborough, Massachusetts 01581

COURSE DESCRIPTION: Overview of the Microchip PIC<sup>®</sup> families of microcontrollers and the tools to develop the firmware. Installation, configuration, and setup of tool suites will be covered. You will set up, create, and build your first project.

PREREQUISITES: None

OUTLINE:

- PIC Families - 8 bit, 16 bit, DSC, and 32 bit
- Hardware peripherals
- Development environments
- Languages - Assembly, C compilers, Basic compilers, other languages
- How to install compilers
- Creating your first project
- Compiling your project code
- Debugging your code with the free simulator
- Hardware tools for programming and debugging
- Programming the parts

MATERIALS PROVIDED:

- PDF of the presentation.

REQUIRED:

- Your computer with MPLAB<sup>®</sup> X v 5.50 or later and XC8 v 2.10 or later installed (or to be installed).
- Payment by 3/22/2023

FEE: \$349.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

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