

PIC16F[®] Microcontrollers Hands on

DATE: 6/9/2020

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: Designing hardware and firmware with Microchip PIC[®] 16F processors by use of a simple example. Students will wire up their prototype, write the code, and debug their project on a Curiosity Board Development Kit DM164137 that they will leave with.

PREREQUISITES: Basic familiarity with PIC[®] Microprocessors, C, and MPLAB[®] X

OUTLINE:

- Introduction to the Curiosity Board Kit DM164137
- Definition of the project problem
- Breaking down the problem and selection of processor
- Hardware design using a PIC16F processor
- Firmware design with XC8 C compiler
- Learning to program the part using in the Curiosity board
- Debugging your project MPLAB[®] X simulator and hardware debugger

MATERIALS PROVIDED:

- DM164137 Curiosity Board and USB cable
- PDF of presentation

REQUIRED:

- Your computer with MPLAB[®] X and XC8 installed.
- Payment by 5/26/2020

FEE: \$449.00 per person.

ACCEPTED PAYMENT: Check, PayPal, or Credit Card.

TO REGISTER: Email Mchippguru@gmail.com for payment information and available discounts.