



## ADVANCED SOLIDWORKS AND CNC CERTIFICATION

### LEVEL 1: MEC 1012 DESIGN COMMUNICATIONS II (2 CREDITS)

SEPTEMBER 19-DECEMBER 15, 2022 | M/TH, 3:30-6:30 PM  
(Prerequisite: MEC 1011)

Parametric, three-dimensional solid modeling is the premiere design tool used around the world to create innovative product designs. This course develops the techniques necessary to model complex parts, surfaces, and assemblies with emphasis on using design tables and parametric databases to develop part and feature libraries. It pays special attention to creating models and assemblies that can be easily modified and changed and introduces kinematic, dynamic, and finite element analysis techniques as well as Geometric Dimensioning and Tolerancing (GD&T). The skills and techniques taught in this course are transferable to any parametric, three-dimensional design software.

### LEVEL 2: MEC 2040 COMPUTER-AIDED TECHNOLOGY (2 CREDITS)

JANUARY 9-MARCH 25, 2023  
M/TH, 3:30-6:30 PM  
(Prerequisite: MEC 1020)

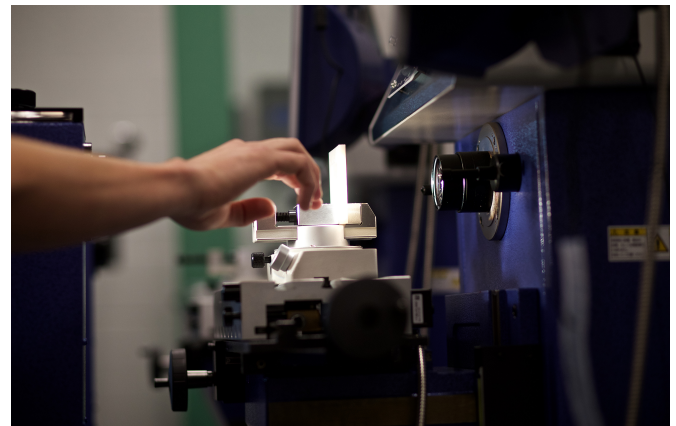
Learn the basics of G-code programming and how to operate computer numeric control (CNC) turning and milling centers. Gain experience in machine set-up and operation, including creating actual parts. Earn your Level One NIMS Machine Operator Certification Dates Processes.

### LOCATION

River Valley Technical Center  
Springfield, Vermont

### COST

None! These courses are fully-funded by the U.S. Department of Labor



\* Dates subject to change.