



SOLIDWORKS & CNC MACHINING CERTIFICATION

Level 1: MEC 1011 Design Communications (2 credits)

- Gain a basic understanding of the principles and technology of mechanical drawing, GD&T interpretation, and basic blueprint reading techniques
- Learn the basics of parametric solid modeling through the use of SolidWorks 2021
- Earn your Certified SolidWorks Associate (CSWA)

Dates: August 17–November 19, 2020

Time: Mondays and Thursdays, 4:30–7:30 p.m.

Level 2: MEC 1020 Manufacturing Processes (2 credits)

- Learn the basics of a variety of manufacturing processes.
- Explore various machine tools, including lathes, mills, grinders, casting, welding, and more
- Earn MSSC Certified Production Technician certification in two of the four categories: Safety and Manufacturing Processes

Dates: December 3, 2020–March 18, 2021 (no classes Dec. 24 & 31)

Time: Thursdays, 4:30–8:30 p.m.

Level 3: MEC 2040 Computer Aided Technology (2 credits)*

- 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: March 25–June 24, 2021

Time: Thursdays, 4:30–8:30 p.m.

***Prerequisites:** MEC 1011 and MEC 1020 (or permission from the instructor)

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Take as stand-alone courses or complete all three levels to earn your SolidWorks & CNC Machining Certification.

WHERE

River Valley Technical Center
Springfield, VT

COST

None! Fully grant funded by the U.S. Department of Labor.