



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 23–November 22, 2021*; no class 9/6

Time: Mondays and Thursdays, 3:30–6:30 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: November 29, 2021–February 10, 2022* (no classes Dec 20, 23, 27, 30)

Time: Mondays and Thursdays, 3:30–6:30 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: February 14–April 14, 2022*; no class April

4, 7 Time: Mondays and Thursdays, 3:30–6:30 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.

*Dates subject to change