

# NOW IS THE TIME



## With an Advanced Manufacturing and Materials Center we can build Southeast Wyoming's workforce

**T**he manufacturing industry is growing quickly again in the United States and in Southeast Wyoming. In 2019, the National Association of Manufacturers reported that 77% of manufacturers had positions going unfilled because of the lack of qualified applicants.

Wyoming is positioned well to embrace the next wave of American manufacturing progress. This industry has become a strategic focus for many statewide initiatives. One of the biggest barriers to growing manufacturing in Wyoming is the availability of a trained workforce. Laramie County Community College wants to help solve that problem.

### What's the plan?

LCCC will establish the Advanced Manufacturing and Materials Center (AMMC) that will focus on training a skilled workforce for the Advanced and Additive Manufacturing industries. To create the AMMC, the college will renovate and upgrade 14,500 square feet of existing space on the LCCC campus.

The college will offer both credit and non-credit programming leading to college credentials and industry certifications. Specific skills taught will include: Safety, Lean Manufacturing, mill and lathe operations, CAD/CAM, 3D modeling, ISO and quality, project management, Coordinate Measurement Machine, Geometric Dimensioning and Tolerancing, CNC milling and turning, and metal and plastic additive manufacturing. Workplace professionalism will be reinforced throughout all coursework.

Cutting edge equipment in the AMMC will include: CNC Turning Center (Lathe) and CNC Milling Machines, Coordinate Measuring Machine, Industrial Systems, Wire EDM, 5-Axis CNC mill and plastic and metal 3D printers. The AMMC will include a Fabrication Laboratory and Concept Forge to help small manufacturers grow and to support entrepreneurs in prototyping and production.

Ultimately, the AMMC will help address worker- and skill-gaps in the area, which in turn will diversify and strengthen Wyoming's economy.

### INDUSTRY FACTS

**\$2.79**

For every \$1 spent in manufacturing, another \$2.79 is added to the economy.

**77%**

Percent of manufacturers with unfilled positions due to lack of qualified applicants

**4 million**

Number of manufacturing jobs needed by 2030

**\$57,280**

Average salary of machinists. And their occupational growth is predicted at 14% annually

**30**

Number of manufacturing companies that Cheyenne LEADS has been in contact with about potentially relocating to SE Wyoming

Sources: National Association of Manufacturers, Deloitte and The Manufacturing Institute, onetonline.org, Cheyenne LEADS

# MANUFACTURING AND INDUSTRY PARTNERS



## Location, location, location

Laramie County, and southeast Wyoming in general, has been determined to be an ideal location for manufacturers to start or expand operations. The proximity to critical transportation infrastructure, availability of affordable “shovel-ready” land, favorable tax environment and the proximity to the growing Front Range of Colorado, all position southeast Wyoming as an ideal growth opportunity. In addition, LCCC has a proven track record of standing up trades programming to help the community solve problems and capitalize on opportunity.



## Costs

The Advanced Manufacturing and Materials Center is estimated to cost \$6.2 million. This includes start-up costs and the first three years of operations to establish the AMMC. More specifically, the breakdown of costs include:

- Facilities Rehabilitation and Renovation - \$1,750,000
- Equipment Acquisition and Installation - \$3,000,000
- Operating Costs - \$350,000
- Faculty and Staffing - \$ 1,100,000



## Funding

The Advanced Manufacturing and Material Center will be funded by a mixture of private and public investments, including grants, donations, tax revenues, tuition, etc.

- Private Gifts and Donations - \$1,400,000
- 6th Penny Funding - \$3,000,000
- Federal and Other Grants - \$1,500,000
- Tuition and Fee Revenue - \$300,000

**For more information on AMMC, contact  
LCCC at 307.778.1287 or 307.778.1146**



LCCC does not discriminate based upon any protected status. Please see lccc.wy.edu/NDS.

210511-1311