



To: LCCC Board of Trustees

From: Joe Schaffer, President

Date: May 12, 2021

Subject: Request for Spending Authority for Manufacturing Room at the Albany County Campus

Please accept this request to seek your authority to expend funds for the purchase of manufacturing equipment and software in the amount of \$111,626 to support non-credit job training programming at the Albany County and Cheyenne campuses of LCCC.

Manufacturing as an industry is growing strong again in the United States, and this trend is predicted to continue well beyond the current COVID-19 pandemic. Manufacturers are growing, investing, and hiring, according to the National Association of Manufacturers (NAM). However, in 2019 the association reported that 77% of manufacturers said they had positions going unfilled due to the lack of qualified applicants. Albany County has formed the High-Altitude Manufacturing Partnership (HAMP) to help address the need for a trained, qualified workforce within the region. At this time, no cohesive programming exists for the development of a Manufacturing workforce in the region. Laramie County Community College's Albany County Campus (ACC) and HAMP recognize the need and is making the development of non-credit manufacturing programs a high priority.

The purpose of this initiative is to establish a Manufacturing Classroom (MCR) at the Albany County Campus. Based on surveys of regional and local employers conducted by LCCC and the Albany County Research Group, programming for the Manufacturing Classroom will focus on non-credit job training in two key areas; Introduction to Manufacturing and Beginning Machining. Introduction to Manufacturing has been offered on both the Cheyenne and the ACC campuses for the past two years and part of the equipment being requested in this proposal will enhance the hands-on training of this program on both campuses.

The proposed listing of equipment and supply needs below has been established in conjunction with HAMP and subject matter expert George Newman. This equipment will provide all items necessary for Introductory Manufacturing and Beginning Machining for the ACC campus, and equipment for Introductory Manufacturing on the Cheyenne campus. LCCC plans to purchase the following equipment from grant funding received from Wyoming Works:

Tooling, and Software Start-up List					
Description	Mfg	Model	Qty	Cost	Total
Equipment and Software for the Albany County Campus					
770MX Mill	Tormach	770 MX	1	\$19,332	\$19,332
- Tooling for Mill	Tormach	ST-10	1	\$10,288	\$10,288
- Supplies for Mill	Tormach		1	\$3,372	\$4,072
- Operator Console	Tormach		1	\$1,795	\$1,795
CNC Router	Tormach	xsTech	2	\$3,495	\$6,990
CNC Lathe Rapid Turner	Tormach	Starter Package	1	\$2,695	\$2,695
Skill Boss Trainer	X-CAL	Allen-Bradley 95-MSB1	1	\$25,370	\$25,370
eLearning Software License	X-CAL	Annual 6 month per student	25	\$170	4,250
Computers for initial programming	Dell	Laptop	9	\$820.44	\$7,384
Equipment and Software for the Cheyenne Campus					
Skill Boss Trainer	X-CAL	Allen-Bradley 95-MSB1	1	\$25,370	\$25,370
eLearning Software License	X-CAL	Annual 6 month per student	24	\$170	4,080
Total Cost					\$111,626

Finally, The ACC will continue working with LCCC's main campus on the development of a compressed non-credit curriculum (apprenticeship model) that can be easily transferred to credit and will provide credit for prior learning opportunities for our students, as well as stackable credentials. If need and space is identified, additional programming with Albany County's high schools can be added in the future.

Staff Recommendation: That the Board of Trustees authorizes the President to expend \$111,626 for the purpose of acquiring equipment and software to support non-credit job training programs in Manufacturing with the source of the funding being provided by a Wyoming Works grant received by LCCC.