



MACHINING-MANUFACTURING ADVISORY BOARD MINUTES

TUESDAY, MAY 11TH, 5:15 P.M. VIRTUAL VIA ZOOM

I. Meeting called to order at 5:24 p.m.

II. ATTENDEES

Matt Peterson, Genentech
Neil Donowitz, U.S. Digital
David Passmore, Lifeport
Nathan Shepherd, LCC
Tamra Gilchrist, LCC
Lynell Amundson, LCC

III. AGENDA ITEMS

a) Career and Technical Education proposal

i. Approval of course CIP Code: Manufacturing Foundations 470000, a new Career and Technical Education class for high school students

Tamra Gilchrist and Nathan Shepherd shared with the group that LCC is partnering with Kelso School District to offer two Career and Technical Education programs: Industrial Trades Foundations Welding Skills and Industrial Trades Foundations Machining Skills with CIP Code 470000 – Manufacturing Trades. Tamra shared the draft framework for the program and explained that the CIP Code specifically requires approval by the advisory board representing the specific area of education. Nathan shared with members that the class will be a joint program with welding and machine shop. It will start with 10 high school junior students and those accepted to the program will attend classes at LCC – two weeks in welding, two weeks in machining, then back to welding and so on. Students will start with safety training first, then understanding fundamentals, basic measuring tools and hand layout projects, then start with milling. Course work will be completely project-based building off blueprints and using welding and machining skills to design and build a completed project. The program will follow Kelso's trimester calendar system. Tamra and Nathan told the group this pilot project is starting with Kelso with a plan to open to all districts. This project builds a path into further education at the college if students choose to stay on the welding/machining/construction pathway. The project includes plans to incorporate local industry partners into the class, exposing high school students to opportunities at a high level into industry.



Neil Donowitz said it sounds like a wonderful program. So many young people don't know what they want to do, he added, and this program offers the perfect opportunity.

Matt Petersen asked if this program replaces Running Start. The program isn't a replacement but a pilot to give students access to vocational programs that prepare them for working in the trades, Tamra said.

David Passmore asked if wood working would be included. Not at this time Tamra and Nathan said, adding that LCC doesn't currently have a construction program.

ii. CTE Conditional Certification: Nathan Shepherd

Tamra shared with the group that teachers in Career and Technical Education programs require Conditional Certification approval to teach in high school CTE programs. For this proposed Industrial Trades project Nathan needs to be approved by the advisory board. Nathan Shepherd was approved for CTE Conditional Certification.

Matt Peterson moved to approve the CIP Code: Manufacturing Foundations 47000 and Nathan Shepherd for CTE Conditional Certification. David seconded the motion. Both received unanimous approval.

ii. Updates from LCC

- Enrollment, schedule and progress, and plans for instructional delivery summer and fall quarters.

Nathan shared with members that Kam Todd is retiring after 25 years with the college. Nathan will be the only machining instructor unless enrollment in the fall and subsequent quarter supports bringing in a second instructor.

Matt told the group he is a former student of Kam and expressed appreciation for the skills he gained.

There are currently nine students building base skills, Nathan told the group, with 11 students currently. LCC has plans to grow the program including reaching out to middle school and high school students to give them exposure to the program.

Matt offered to visit classrooms and talk to students, demonstrating another path beyond "the right way" to go about getting an education

Tamra told the group that LCC was awarded \$3.2 million to develop a new vocational building that will house welding, machining and transitional studies programs.

iii. Industry partner updates

- Business and industry partners will share information regarding their current status and how they are working during the current environment.



Neil told the group that his industry can't get enough machinists. Many are retiring and replacing them is nearly impossible. His company specializes in injection molding and has been manufacturing molds for over 40 years. They need to find a way to bring younger people in to learn the trade.

David said Lifeport has same challenges. Lifeport has been in business for 30 plus years, alternating between being publicly and privately held. They are currently privately held with four divisions that design, manufacture and certify equipment for all ranges of fixed and rotor wing aircraft

Matt told the group Genentech is having all of the same issues as others mentioned. They struggle to find people and are looking at options to grow people internally by partnering with LCC to upgrade skills of existing employees.

Tamra mentioned opportunities for internships and asked employers if they would be interested in hosting LCC students. All agreed that would be a good option and they are certainly interested in exploring options.

IV. Meeting adjourned at 6:13 p.m.