



AM -MINUTES
Wednesday, November 22nd, 2023, at Noon.
Zoom

Members Present: Jay Schmidt, Toni Neary, Mike Dickey, Craig Lahti, Brandon Wilke.

Members Absent: Michelle Wynne, Connor Lenhart, and Mark Stanley.

Clark College: Caleb White, Theo Koupelis, Sam May-Varas, and Elizabeth Flores.

NEXT MEETING DATE

The committee will meet next Tuesday, April 16th, 2024, at noon.

MINUTES OF THE PREVIOUS MEETING

This was the first Advanced Manufacturing Committee meeting.

COLLEGE UPDATES

Theo shared that enrollment is up by 10% in all our WPTE programs. Theo noted that Mechatronics is finding challenges and has shared that they cannot keep the building open after hours.

AM PROGRAM UPDATES

Caleb announced that the Advanced Manufacturing program has completed all the internal processes at Clark College and is now ready to be submitted to the state for approval. The program will go through course pathways, and the state's response time is expected to be between a couple of weeks to a month.

Caleb is collaborating with industry experts to develop industry-specific courses.

Sam and Caleb are collaborating on the class Manufacturing 101 to help students explore career options. They have introduced a three-credit humanity course, and 2-3 industry partners will be involved throughout the program.

Caleb and Sam have made it mandatory for students to take this initial course to determine whether the program is a good fit for them.

Caleb invited members to speak about their PPE industry.

Caleb shared that instructor Gerry Lazo will be working on subtractive manufacturing.

Caleb shared that instructor Nathan Caldwell will be working on additive manufacturing.

BOSCHMA FARMS BUILDING UPDATES

Caleb shared photos of the new advanced manufacturing facility in Ridgefield, which began construction in early June.

Mike discussed the construction timeline for the shared images of the new building.

Caleb shared that the building construction would be almost completed by October 2024 and fully finished by the end of that year.

Caleb announced that the first cohort will begin in Spring 2025, followed by the second cohort in Fall 2025. The program would like to offer a third cohort, but it depends on enrollment. Each cohort consists of sixteen students.

FACILITY RENDERINGS

Caleb and Mike shared the exterior and interior rendering of the facility.

Caleb mentioned that there was a deliberate intention behind the workflow of materials and processes throughout the building.

Caleb mentioned that they have three industrial classrooms, which can be used for labs and hands-on activities during classes.

Caleb discussed the various subtractive manufacturing machines used throughout the classrooms.

Caleb mentioned that instructors can display video blueprints, while students can use digital displays for their blueprints.

Caleb discussed collaboration areas in the facility that were created for networking. Students will end with a capstone project, and this is a group project to build something functional. The collaboration areas will make great use of those robots.

Jay asked if students would learn about sautering. Caleb noted he will have to figure out a way to incorporate sautering.

Caleb showcased the work yard.

Caleb discussed students can stay in-house for the degree and industrial manufacturing.

Toni recommends middle school and high school outreach and incorporating visit sites.

INDUSTRY UPDATES

Theo asked for industry feedback regarding the advanced manufacturing program.

Jay inquired if students would work with composites or non-metallic materials.

Toni shared a link to the MEMS program related to semiconductors.

Jay will present the renderings to the High-Tech Council and return the feedback.

Craig announced Columbia Machine is hiring for various positions.

Brandon inquired about fuel gases at the advanced manufacturing campus. Caleb mentioned that cylinders on carts and a gas mixer will be available.

Brandon asked Caleb if 3-D metal printing was available. Caleb said they didn't purchase one due to high costs.

POST MEETING AMENDMENTS

On April 1st, 2024, the committee approved the following post-meeting amendments after conducting an electronic poll for the following votes.

- 1) Committee approval has been granted for Jay Schmidt to serve as the committee chair.

- 2) Committee approval has been granted for the Advanced Manufacturing Program Group, including an Associate of Applied Technology (AAT), Certificate of Proficiency (CP), and Certificate of Achievement (CA)

Prepared by Elizabeth Flores