



Manufacturing Advisory Committee

Thursday, October 22, 2020

8 – 9:30 a.m.

Via Zoom

MINUTES

Advisors Present: Robert Peha, IDL Manufacturing
Rick Rudnick, The Boeing Company
Paul Veltkamp, Machinist Union 751
Erin Williams, AJAC

Staff Present: Lauren Hadley, Director of Manufacturing/Employer Engagement
Guy Hamilton, Executive Dean of Workforce & STEM
Keith Smith, Faculty
Wanda Waldrop

Welcome and Introductions – Erin called the meeting to order at 8:05 and welcomed the attendees to introduce themselves.

College Updates – Guy gave an update on the college budget reduction process due to reduced state revenue because of COVID-19. The last update from the state was a reduction of 15%. The college is also seeing low enrollment which is affecting revenue. Keith shared that seeing that enrollments were decreasing, manufacturing reduced the number of CNC class sections from three to two.

The college will continue remote operations through winter quarter and spring quarter will be assessed closer to April.

Funding for capital projects is still in place and the new manufacturing space is on track. The program will be looking for a space to move to July 2021.

Approval of the May 21, 2020 Minutes – the minutes of the May 21, 2020 meeting were reviewed and approved by the committee.

Program Updates – Keith reported that face-to-face instruction continues with PPE and safety protocols in place. The CNC courses have moved to 18 hours of face-to-face instruction in the shop and 6 hours of instruction on-line. It is working out well and students are getting a lot time on the machines. TV monitors, a PA system, and laser pointers are assisting with machine demonstrations.

Lauren reported that the program is applying for a Perkins Re-Start grant that will help to fund program navigation. She requested support for employment data demonstrating that jobs will be available for students when they graduate.

Advisory Committee Recruitment – Lauren asked for recommendations to add to the committee to build diversity in type of manufacturers and positions with a company. Ideas suggest were:

- Ocular Inc.
- Outdoor Research who makes PPE
- Food Manufacturer
- Blue Origin
- Microsoft

Input on CNC Machinist Planning Guides – Keith reviewed the proposed changes for the Basic Manufacturing, Machinist Certificate of Proficiency and the

Basic Manufacturing will remove the Math 70 requirement and add the option of MFGT 107 and MFGT 108 the two ten credit classes that are the equivalent to MFGT 105.

Machinist Certificate of Proficiency adds the option of 10-credit courses MFGT 107 and MFGT 108 the two ten credit classes that are the equivalent to MFGT 105, MFGT 109 and MFGT 110 the two ten credit classes that are the equivalent to MFGT 106, and MFGT 111 and MFGT 112 the two ten credit classes that are the equivalent to MFGT 120.

Machinist AAAS would incorporate the changes made in the Certificate of Proficiency and change the required core required courses by making MFGT 215 – Manufacturing Technology Programming, MFGT 155 – Quality Assurance, MFGT 244 Preventative Maintenance, MFGT 245 – OSHA 10, and MFGT 280 - Robotics requirements for the degree. Students would then choose 4 – 10 credits of electives.

The value of GD&T and model-based inspection with less reliance on paper copies, and more reliance on models. Teaching students how to read and respond to that will prepare them for what will become the mainstay.

The committee approved the proposed changes to the planning guides.

The college is looking for a Quality Assurance instructor and we would like to have an instructor from industry. Keith asked for referrals from the committee. The committee asked for a one-page document outlining the role so that they can share the opportunity.

Updates from Industry – The committee was asked how the workplace has evolved or changed during the first seven months of COVID-19. Committee members agreed that in shops everything is continuing on, everyone has a mask, people greet each other with elbow bumps and hand sanitizer is readily available. At IDL there is a focus on safety procedures with air ventilation now that the weather is turning colder. Keeping heat in the room while maintaining air flow.

Moving forward there is a shift to more permanent remote meetings. Robert commented that while remote meetings work, face-to-face meetings create more probability of discussion. Lack of customer interaction can be detrimental and lack of understanding. He is looking forward to returning to having good group discussions.

There has been a change in procedures when COVID cases are reported. Initially a COVID case would cause shut down and full cleaning, now a person is sent home and targeted safety and cleaning protocols are put in place rather than a full shut down.

Guy asked how the move of the 787 line to South Carolina will affect the future of machinist in this area. The committee reported that it affects shops who are solely in the aerospace industry and second shifts have been closed. There is an impact, but there still is a lot of work. Some reductions were absorbed by voluntary layoffs, but not all of them. Robert has seen some companies close down and offer to sell equipment and that attrition of work now and closures of smaller shops could have a significant impact on how the region will be able to respond when things open up again.

Lauren asked if there was anything else the committee had to share about how the college could help prepare students. Robert said that recently he made some reductions at his company and those decisions were made based on the employee's demonstrated desire to work. He kept those who show up on time and ready for work. This is important as students enter the workforce. Students need to know how to dress, how to be prepared for work, and expectations of employers. Some students may be working for the first time or changing industries and they need to understand what will be expected.

Schedule Winter/Spring Meetings - Feb 25, 2021 and May 20, 2021 from 8 – 9:30 a.m. were selected as the next two meeting dates.