Industrial Careers Advisory Council
Electronics/Manufacturing
November 13, 2019
Copper Penny Room
11:30am

ATTENDANCE

Nick Chatterton, VVEDS; John Coleman, Fastenal; John Cooper, SIU; Eric Cox, Kirby Risk; Terri Cummings, DACC; Julie Dunston, SIU; Todd Flessner, DACC; Doug Hunter, DACC; Jacob Hutson, Lebanon Seaboard Corporation; Ben Jun, DACC; Dave Kietzmann, DACC; Jeff Primmer, DACC; Stephanie Yates

REPORTS

Equipment updates were given by Todd. The department continues to modernize the equipment offerings by replacing old equipment, which includes the new Haas CNC Lathe.

OLD BUSINESS

There was no old business to discuss.

NEW BUSINESS

Curriculum updates for the Electronics program were given by Ben. No immediate changes, however ben is working on a Robotics Technician certificate. He would like to visit local businesses to see what the local needs are so that the curriculum can serve our local industry. Although not represented well at the advisory meeting, Terri revealed that discussions have been taking place with major players in Danville concerning the robotics training. Faculty training will be needed so they can integrate the robotic arms to PLC. This will also require new course development in the future. John Cooper mentioned Co-Robot as an emerging technology and available in an educational trainer unit (co-bot). Connectivity is an issue with the networking robots need.

A new name proposal for Manufacturing Engineering Technology was introduced by Todd. The new name would be Precision Machining Technology which better reflects the content of the degree. The department would also eliminate the degree option without CAD. This would streamline the AAS degree. A description change needs to be made on the degree itself. Discussion about receiving donated equipment took place. At this time it isn't a viable option for DACC as the businesses want to donate old equipment that is not up-to-date.

Doug indicated that there were no current changes to Advanced Manufacturing. Changes in the future could include switching from AutoCAD to Inventor. It was suggested we do a poll of industry partners so we have a better idea of what is being used and when to stop using old technology and switch to new technology, based on industry usage. Some brainstorming ideas were given for recruitment in Advanced Manufacturing. Currently we use the College Express offerings to get

students interested in high school. Other ideas are to recruit from local industry as a future leader recruitment, current employees who are loyal to the company, but want to move up. Also, asking "what careers are in demand" and developing curriculum to meet those needs.

Project Lead the Way (PLTW) which is a pre-engineering course funded by Vermilion Advantage and the local high schools, is being re-vamped. The students would have the option to go into engineering or advanced manufacturing. It was mentioned that starting a Robotics Club so the college could hold a competition for the local high schools would be remarkable.

ITEMS FROM THE FLOOR   Apprenticeship were called for by Terri. As always the college is looking to local partners to help out with training. We are already implementing the ICATT (Industry Consortium for Advanced Technical Training) Apprenticeship program with local partners. This is a politically backed program, but it's difficult to get buy-in from partners as it cost $3500 per person, paid by the industry partner. The industry does need to get on-board as it will be facing lots of retirements in the near future and an expected deficit in trained workers.

John Cooper spoke about the articulation between DACC and SIU for students that want to go on to receive their bachelor's. These are flexible courses done online and weekends and would be a great opportunity for existing employees in industry to rise to management roles and to groom in-house talent. More information can be found at engr.siu.edu/tech.

DATE of NEXT MEETING   Fall 2020

MINUTES SUBMITTED by: Respectfully submitted,

Lisa J. Osborne

Lisa J. Osborne
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Business and Technology