



WEST HILLS COLLEGE LEMOORE

Industrial Technology Advisory Committee Meeting

February 27, 2019

Room 801

Advisors Present: Charles Basso (VF Outdoor), John Lehn (Faraday Future), Calin Seceanschi (Faraday Future), Howard Clarke (Lemoore High School)

Educators Present: Kris Costa, Jim Rooney, Shane Souza, Ray Rawn

Meeting was called to order at 7:10am.

Kris Costa, Dean of CTE, welcomed the group. Participants introduced themselves.

Program Update: Jim Rooney provided members an update on the program to date. There are currently 7 students enrolled in one or more of 3 classes – ELET 001: Basic Electronics, ELET 003: Intro to Programmable Logic Controllers, and ITEC 008: Mechanical Systems. They have been in classes since February 4 and are doing well; however, there are some challenges with mathematical concepts. A vocational instructional aid has been hired to provide supplemental instruction and support to students in the program, which has been helpful already. The VIA meets with students before or after class to reinforce concepts and attends courses with the students as well. This is a model that the college has used in other disciplines which has had great success. Students will complete this semester and roll into the summer session which includes ELET 002: Electronic Circuits, and ELET 006: Motors and Controls. Students are required to complete at least 60 hours of work experience in order to successfully complete the program. They may do so beginning mid-March, or during the Summer session. We are actively seeking internship placements for students to complete the work experience requirement.

Equipment and Materials: Members received an overview of the equipment that is being used in the current coursework as well as the courses for the summer. There was a discussion about Safety instruction. Each course begins with a safety unit. Members asked about the inclusion of robotics in the program. This is a next step item for the degree program once it is implemented. Charles and Calin both recommended connecting with WalMart Distribution Centers as they regularly cycle out robots that would be perfect for the program.

Work Based Learning Opportunities for Cohort #1: Advisory members have expressed an interest in hosting students at their work sites for industry tours as well as visiting the classes to speak to students about the industry. We are interested in getting these opportunities



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scheduled. VF Outdoor shared that they would be ready to host the students this semester. Jim, Shane, Ray and Kris will work on a date for the tour.

New Program – AS, Manufacturing Automation Members have previously reviewed and approved this program; however, there was an addition of ITEC 002: Introduction to Drafting and CAD that was recommended and accidentally omitted. Members were in agreement that this should be included in the Manufacturing Automation AS Degree.

Motion: X Approve Approve w/ Corrections Deny

First: Howard Clarke

Second: Shane Souza

Vote: X Carried Denied Abstentions –

New Program – COA, Industrial Mechanic 1 Members reviewed the course proposal for a Certificate of Achievement in Industrial Mechanic 1 (23 units) and each of the MM 051A-F course outlines for the new industrial program and made recommendation for modification. Discussion included the addition of Welding to the certificate and the addition of Thermodynamics into the intro course. This will prompt the rewrite of MM 054B: Welding Fundamentals, increasing it to 3 units. Members like the inclusion of mathematics as a manufacturing course. Members were in agreement that the Certificate of Achievement in Industrial Mechanic 1 should be approved and move forward with the additions mentioned.

Motion: X Approve Approve w/ Corrections Deny

First: Charles Basso

Second: Calin Seceanschi

Vote: X Carried Denied Abstentions –

Apprenticeship Update: Kris shared that the apprenticeship standards for the Industrial Electrical Technician Apprenticeship is pending approval at the Department of Apprenticeship Standards. We have an expert on apprenticeship on the district staff that has been working through this process. We have received a California Apprenticeship Initiative grant for the Child Development program, which will assist in more attention on developing the Apprenticeship protocols here including our system process to waive the tuition for apprentices and building out the programs. The Industrial Electrical Technician Apprenticeship is a 4 year program by design and incorporates all of the courses for the Manufacturing Automation AS Degree that was approved today.

The college is also working with Hanford and Lemoore High Schools on a pre-apprenticeship pathway project to infuse funding to the high schools that will purchase tools and equipment,



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as well as staffing to build a pipeline to the program at WHCL. This will create a pathway beginning in 9th grade and ending in year 16 at the Bakersfield College Baccalaureate degree program, if students wish. It also has embedded exit points for students that wish to exist after high school, certificate, degree, or apprenticeship programs are completed – allowing multiple exit points for students. The high schools will be applying or approximately a million dollars to do so and are seeking letters of support for the grant application. Kris will email a sample out to all of the partners to assist in the effort and will be submitting a letter on behalf of the college as well.

Meeting was adjourned at 9:20am