

Long Beach Community College District

WELDING & METAL FABRICATION ADVISORY COMMITTEE MINUTES FROM

1/27/2021 VIRTUAL ZOOM MEETING

5:30PM-7:30PM

I. Welcome and Introductions

Meeting called to order at 5:37PM by Damon Skinner

External Members present: Kelsey Garrett - Lincoln Electric, Lucius Martin, City of Long Beach/Pacific Gateway, Paul Moreno Ironworkers Local 433, Michael Dean AireMasters AC,

Jefrie Velasquez Vance & Hines, Al Hernandez / Sheet Metal Workers Local 105, Tamery McCrabb (Owner) - Cowelco Steel Contractors, Jason Gerros General Manager Marksman Manufacturing, Ken Diekmann Southland Industries, Tamery McCrabb representing the WBALB (Westside Business Association of LB) **LBCC Faculty**

Members: Damon Skinner Faculty/DH, Sara Carey - LBCC Metal Fabrication & Welding, Anthony Pagan Associate Dean School of CTE LBCC, Tim Schlock LBCC Metal Fabrication & Welding, Patrick Hansberry, LBCC Metal Fabrication & Welding, Gene Carbonaro, Dean CTE, Tim Shoemaker-Metal Fabrication and Welding Instructor **LBCC**

Staff: Veronica Rodriguez - LBCC Career Center, Lorraine Blouin - LBCC Counseling, Maria Andrade-Hernandez- Perkins.

II. Minutes

Damon reviewed the minutes from the last meeting in May 8, 2019 and spoke on how 2020 meeting was being planned and COVID hit so there was no meeting for 2020.

The minutes were reviewed by the Advisory Committee. Al Hernandez moved to approve the minutes as written. Mike Dean seconded the motion; minutes approved unanimously.

III. Overview of Department

Welding Updates

- Welding reviewed the reinstatement of the AS degree in Welding Technology in Fall 2019 and reviewed all courses that are required to obtain such degree.
- Current Status of Welding Program includes Associate of Science Degree in Welding Technology, 30-unit certificate of achievement and 3 certificates of achievement
- New Equipment includes 2 new rolling six packs of welders to allow welding outside. One Lincoln and one miller (12 stations), coupon cutting machine to increase testing ability and 6 new inverter welding machines to replace old ones. Also got some with remote control for stick welding.
- Action Items that that the welding department would like for the Advisory to consider are the following:
 - Create 1 and 2-unit MIG welding Classes for credit and non-credit
 - Add a 2-unit MIG welding class to AS degree and certificate
 - Create a noncredit certificate in MIG Welding

- Approval for training in emerging technologies in welding and manufacturing, IE: robotic welding, metallurgical testing etc. (Trainings are now online due to the current COVID situation so looking to do some of these trainings)

Metal Fabrication Updates

- New Equipment includes the Armada LCG 3015AJ Fiber Laser Cutting Machine, Amada Nitrogen Generator used as an assist gas when laser cutting. Only used it for 1 month and have had 1 class that learned how to use this machine. Metal Fabrication shop has 7 new welding stations. Fabrication shop donated an acorn table with boom & MIG Flux core machine. New Shop Coolers for department.

Class Updates starting in March 2020-Current

- Due to COVID-19 shut downs in early 2020. Last day of in person classroom was March 16, 2020 and started online on March 17, 2020. Returned on June 8, 2020 to make up classes that were postponed in Spring.
- 100% of instructors are now certified to teach online
- Lectures are online- Fall 2020 to Spring 2021 and likely Fall 2021
- Labs are being taught in person with smaller class sizes to allow for social distancing
- Metal Fab & Welding personnel received their first vaccination today 1/27/2021. Essential skilled staff.
- Enrollment dropped about 60 students due to cancellation of classes from Fall 2019 to Spring 2020 due to COVID.
- Planning on remote teaching for Spring and hope to return

IV. Action Items

Motion 1 — Create 1 and 2-unit MIG Welding classes for Credit and Non-Credit 1st Paul Moreno, 2nd Ken Diekman. Motion Passes

Motion 2 — Add a 2-unit MIG welding class to the AS degree and Certificate 1st Paul Moreno 2nd by Al Hernandez Motion Passes

Motion 3 — Create Non-Credit Certificates in MIG Welding. 1st Mike Dean, 2nd Paul Moreno

Motion 4 — Seeking approval to pursue emerging technologies in welding and manufacturing, IE: Robotic Welding, Metallurgical Testing Etc. 1st Al Hernandez, 2nd Mike Dean. Motion passes.

Motion 5 — Add 2 Unit MIG Welding Class to the AS degree & Certificate 1st Paul Moreno, 2nd Al Hernandez. Motion Passes

Motion 6 — Add 2 Unit MIG Welding Class to the Robotic Welding Certificate 1st Mike Dean, 2nd Paul Moreno. Motion Passes.

Motion 7 – Create new credit certificates in Introduction to Welding and Gas Tungsten Arc Welding 1st Mike Dean, 2nd Al Hernandez. Motion Passes

V. Industry Feedback

- Lucius Martin (Pacific Gateway) Working with virgin orbit rocket lab will be growing in next few years. Looking for weld skills and do some CNC work and CNC machines. Hoping to have some opportunities and open the discussions.

Other companies coming to LB and will be a huge need for individuals that can work those jobs. Relatively pay would be \$28-\$34 dollars for someone coming out of school. Outside of a union opportunity.

- Jeffie Velasquez (Vance and Hines)- Spin forming has revolutionized their manufacturing floor and components that need to be weld together. Space X is hiring basic spin formers. You have to be able to do everything and would recommend that students know how to do a little bit of everything.

Programming robotic welding that there is a need. Plasma robots. Amada laser basic programming. Spin programming. Would also love to have students do a tour of his facility. 1 plasma robot will replace 3 of the old ones. Interface are easier to use and not G-code and beneficial to everyone. Welding Robots use pendant which is point. Example like playing with a video game and it's hard to find someone that can do this type of skill. You find qualified individuals and then lose them for the competition. Not too many guys that are up to par and having to train the new guys.

- Tamery (WBALB) spoke about her company having a hard time finding good lay out people. LA city certified fabricator needs to have individual to work on stairs and railings. Teaching about expectation of the employer and just standard soft skills. Ken Diekmann agreed with this as well.
- Lorraine (counselor) spoke on Business Communications course that teaches work ethic. And speaks on what employers are looking for, which can be recommend to students.
- Veronica (Career Center)- Also discussed the opportunities at the Career Center and all the various workshops that are offered with resume, interview skills, professionalism that students can connect too. She will also be reaching out to CTE programs students to be able to participate in these opportunities. Veronica also shared about the speaker series and how this can help our students out. Tim Shoemaker will be reaching out to Veronica to see how they can work together to get the word out on these workshops to their students.
- Mike Dean (Airmaster) spoke about the students that come from LBCC were well prepared from the program does a great job of preparing students that have been hired from the program.
- Paul Moreno (Ironworkers)- Recommended to reach out at PGWIN or MC3 students that can work on students to connect them to opportunities and have the skills necessary to enter into the workforce.

Minutes recorded and submitted by Maria Andrade-Hernandez pending approval.

Meeting adjourned at 6:35PM

*Please retain copies for your Departmental records and your School requirements.