

### May 15, 2017

### 5:00 - 7:00 p.m.

### Intech Center Conference Room Fontana

* ***Call to Order***
* **Welcome and Introductions**
* **Reports and Updates**
	+ Review the minutes of the last meeting, open discussion about apprenticeship opportunities.
* **Discussions**
	+ Program Schedule / course offerings.
	+ Types of position available
	+ Where can you see Chaffey’s students / programs fitting in your organization?
* **What do you expect of your technical employees?**
	+ Self- starters and motivated.
* **What industry trends/technologies should we address in the Program curriculum?**
	+ Maintenance Mechanic advance courses including mechatronics.
	+ Title 24 Energy Efficiency.
	+ Networking / cabling connections.
	+ Troubleshooting mechanical/electrical
	+ PLCs basic for mechanics.
* **What would you like to see added to or deleted from Chaffey College’s program curriculum?**
	+ Servo controls, mechanical drives, motor-operated valves, hydraulics, pneumatics including course in high-speed machinery.
	+ More PLC Networking, HMI, Analog, and Wi-Fi systems.
	+ Expand Troubleshooting
	+ Blueprint Drawing program (AutoCAD).
	+ Expand basic electrical Theory Simple wiring practices panels for mechanics.
* **Round Table Comments / Questions**
* **Adjournment**

**Attendees:**

Ross Allen

Engineering & Maintenance Manager Steelscape

Brendan Brophy

Plant Manager Steelscape

Robert Torres

Plant EE Steelscape

Marco Campos

Mechanical CSI

Michael Duron

Power Bound Electrical

Victor Pimentel

Technician SCE

Mike Ryan

Technical Training SCE

Jimmie Alcarez

Technician Pregis Packaging

Bill O’Neil

Professor Chaffey College

909.652.7657

william.oneil@chaffey.edu

Elmano Alves

Faculty Advisor / Professor Chaffey College

909.652.8475

Elmano.alves@chaffey.edu

## **AGENDA**

***Chaffey College - Industrial Maintenance Mechanic (INDMM)***

Meeting Notes:

Started the meeting talking about internships learn and earn program apprenticeship opportunity for students to get field experience.

Steelscape, CSI, and Nestle Water is looking to start a program or partner on an apprenticeship program.

The lack of mechanics with ability to troubleshoot keeps increasing since most of the new companies are using automation controls/mechatronics which is a combination of mechanical, electrical, electronic, hydraulics, and pneumatics.

Add networking cabling and the use of IP addressing, to courses (PLCs) as there is an increasing need in industry use of interconnecting through technology including wifi.

Troubleshooting is a fundamental course to continue to deliver and improve the types of components used in the class, and interfacing with mechatronics controls.

Blueprint reading should include drawing using a computer aided drawing programs, (auto cad or other).

Additionally electrical theory is still extremely important for a foundation base. The need for student without any experience in electricity/mechanic to get fundamentally to have basic wiring, circuits, connections, panels / boxes & breakers. Even Solar is something to think about.

Most of the mechanics do a basic electric troubleshooting as well and some companies are using the same person to do both jobs, those are the ones that they cannot find and need the most training for both trades.

Safety is a high priority for companies OSHA and increasing safety messages and practices into the classes and lab activities supports industry needs.