

Proposition 39 Clean Energy Workforce

Eligible Top Codes:

- **0201.00**–Architecture and Architectural Technology
- **0934.00**–Electronics and Electric Technology
- **0934.40**–Electrical Systems and Power Transmission
- **0935.00**–Electro-Mechanical Technology
- **0945.00**–Industrial Systems Technology and Maintenance
- **0946.00**–Environmental Control Technology (HVAC)
- **0946.10**–Energy Systems Technology
- **0952.00**–Construction Crafts Technology
- **0952.10**–Carpentry
- **0952.20**–Electrical
- **0952.30**–Plumbing, Pipefitting, and Steamfitting
- **0956.00**–Manufacturing and Industrial Technology
- **0956.30**–Industrial Maintenance
- **0956.40**–Sheet Metal and Structural Metal
- **0956.50**–Welding Technology
- **0956.70**–Industrial and Occupational Safety and Health
- **0957.00**–Civil and Construction Management Technology
- **0957.20**–Construction Inspection
- **0958.00**–Water and Wastewater Technology

Faculty Professional Development

Several faculty professional development opportunities are made available to ECU faculty each year

OSHA Training - To certify instructors to offer OSHA 10 and 30 cards imbedded in their courses or as standalone offerings. We have sent more than 10 Central region faculty and HS partners through this training.

NCCER Instructor Certification - The National Center for Construction Education and Research offers hundreds of industry recognized credentials in the Energy, Construction and Utility. This training certifies instructors to issue these certifications in their classes. We have certified about 15 faculty and HS partners.

CAISO June 4 and 6, 2018 - We hosted over 80 faculty and administrators for a two-day workshop at the California Independent Systems Operator control center in Folsom. The focus was on trends and developments in Integrated Distributed energy Resources and what this means for the workforce

HVAC Educator’s Conference – In March, HVAC and Environmental Control’s Faculty attended a national workshop developed specifically to provide professional development to HVAC faculty. Five Central Region faculty participated.

Building and Energy Systems Professional (BESP)

BESP is a multi-disciplinary (multi-top code) based certification / degree program which enables students to take a set of core classes and build an AS degree out of a set of electives which lead to stackable, industry recognized certifications and ultimately a degree. **The BESP program is very supportive of Guided Pathways as it works like a meta-major.** It can improve retention and completion as it reduces the potential for “wasted units”. We are working with Fresno CC and Ventura CC on planning projects. The model is up and running successfully at College of the Desert

Central Region HVACR Collaborative.

Six central region colleges are aligned in a community of practice. They share best practices, tour each other's labs, discuss curriculum resources, and work with the Prop 39 Director to identify industry engagement opportunities. So far, two new programs (West Hills Coalinga and Bakersfield) have received extensive mentorship from other collaborative members.

Career Exploration

The statewide sector team has a couple of different career exploration partnership opportunities:

- **Energy and Construction Career Compass and Career Navigator.** The Career Compass includes a specialized assessment which matches students' interests with the ECU occupations which most closely fit their interests. Students also have access to videos which give the student an idea of a typical day in the working life of individuals in various ECU occupation
- The Career Navigator leads students to colleges which have the programs which match their interests and pairs them with a Navigator who can help the students through the enrollment process. Both Career Compass and Career Navigator project is being piloted in Orange County and should have data to share by August.
- The **Get in to Energy Class** is designed for High School or College students to get an overview of developments in the energy sector and exposure to different careers in the sector. This class would be a good dual enrollment and/or summer bridge class.

Construction Collaborative

Looking to form a community of practice for construction faculty similar to the one already created for HVAC.

Multi-unit and Hospitality Facility Maintenance Technician training.

Building and Facilities technicians at Apartment Complexes and Hotels have a tremendous opportunity to save their employers money by instituting energy efficient practices. The training would revolve around a series of short-hour certifications (Basic electrical, Plumbing, Painting, Dry Wall etc.). May be a good Adult School partnership opportunity. Looking for interested colleges to work with the Prop 39 Director and employers in the region to determine the interest in training for their Building and Facilities maintenance technicians.

Facility Management

Facility Management is capstone certification which can be added to Business programs. This certification utilizes curriculum developed by IFMA (International Facility Management Association) and is endorsed by IFMA. IFMA has offered their support with guest speakers and internship opportunities. Let's discuss if this certificate makes sense in your area.

If any of these projects are of interest to you. I will be at the meeting on Tuesday and Wednesday June 12 and 13 or feel free to contact me at:

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