

Industrial Arts Department
AUP for Academic Year 2024-2025
October 2023

Describe Department/Unit

Connection to College Mission

It is the mission of the Industrial Arts Department to provide courses and instruction that will meet the academic, vocational, and general education needs of our students, college, and communities. We provide instruction leading to Associate degrees and certificates in multiple occupational areas including: Welding, Industrial Process Technician, and Machine Tools. The programs in the Industrial Arts Department provide life-long learning and support to students in their academic, technical, and vocational pursuits. The goal of our programs is to foster in students a lifelong desire to learn, a passion to excel, and a commitment to contribute actively to their local community. Students graduating from the department's programs will be prepared to enter the job market in entry level positions with a variety of focus including but not limited to: construction, mining, manufacturing, drafting, welding, fabrication and machine shops, electronics, railroads, automotive, as well as the aircraft, marine, aerospace, and renewable energy industries.

Report on Improvements Made and Gaps Identified in the Prior Year

Student Equity

The female population remains to be underrepresented compared to the college as a whole. This is to be expected as the female population of welders only equals 6% in the United States.

Outcomes Assessment: Loop-Back Improvements Made

Outcomes Assessment: Results of Last Year's Assessments

WELD C101

Target Met?

Did Not Assess

WELD C102

Target Met?

Did Not Assess

WELD C200

Target Met?

Did Not Assess

WELD C203

Target Met?

Did Not Assess

WELD C204

Target Met?

Did Not Assess

INDE C060

Target Met?

Did Not Assess

Outcomes Assessment: Missed Targets

Type:

SLO

Target Missed/Gap Detected:

Type of Gap:

Analysis and Plan for Improvement:

Anticipated Semester for Implementing Planned Improvements:

Anticipated Semester of Next Assessment:

Outcomes Assessment: Schedule of This Year's Assessments

WELD C101

WELD C102

Program Review

Welding Technology

Year of Last Program Review:

2018

Actions Taken in the Prior Year to Address Strategies:

Strategies Still to be Addressed:

Last Year's Initiatives

Begin offering the Process Technician Certificate

The Process Technician Certificate can be completed in two semesters regardless of semester start date. The first two courses of this 16 unit certificate are currently being offered in Fall 2023. The department hopes to see it's first graduates in Spring 2024.

Hold a

Begin offering a forklift operating course

The curriculum has been written and approved by CIC.

A forklift has been purchased for this course.

The department chair and faculty member have attended a train the trainer course and are authorized to offer this training.

Expand dual enrollment offerings.

The department chair met with the Burroughs High School instructor. It was determined that the instructor meets Cerro Coso minimum qualifications. The department plans to meet with Burroughs High School to see what we can do to expand our dual enrollment.

Reminder of Initiatives for the Current Year

Reminder of Initiatives for the Current Year

Begin offering the Process Technician Certificate

Establish dual enrollment welding with Tehachapi prison

Develop truck driving program

Begin offering a forklift operating course

Plan Initiatives for Next Year

Initiatives for Next Academic Year

Begin offering fluxcore D1.1 structural tests

Is this part of a multiyear initiative?

No

Specific Action Steps to be Taken:

Purchase larger diameter fluxcore wire in order to offer destructive tests consistent with the American Welding Society (AWS).

Obtain weld procedure specifications (WPS) from the AWS.

Early Observational Data, or "Lead" Measure(s):

Purchase of larger diameter fluxcore wire. The larger diameter wire is needed based on the metal thicknesses students will be using.

Accessing AWS website to obtain WPS for this particular test.

Does the department request help developing these instruments?

No

Institutional Performance Data, or "Lag" Measure(s):

Offering test.

Person Responsible:

Department Chair/Faculty

Unit gap or institutional goals addressed:

It addresses a 2- or 5- year program review strategy, It addresses a Strategic Plan goal or objective

Become certified to offer an OSHA 10 course

Is this part of a multiyear initiative?

Yes

Specific Action Steps to be Taken:

Department Chair and Faculty member will seek to take necessary courses in order to offer an OSHA 10 course. This came out of our advisory committee meeting.

Early Observational Data, or "Lead" Measure(s):

Research courses needed in order to be an authorized instructor for this course.

Does the department request help developing these instruments?

No

Institutional Performance Data, or "Lag" Measure(s):

Enroll in and complete courses.

Person Responsible:

Department chair/Faculty

Unit gap or institutional goals addressed:

It addresses a 2- or 5- year program review strategy, It addresses a Strategic Plan goal or objective

Begin offering a forklift certification course

Is this part of a multiyear initiative?

Yes

Specific Action Steps to be Taken:

This was an initiative from last year continuing this year. The curriculum has been written and approved by CIC. Once the course is approved, we will begin offering it.

Early Observational Data, or "Lead" Measure(s):

Having this course approved at the state level

Does the department request help developing these instruments?

No

Institutional Performance Data, or "Lag" Measure(s):

Offering course to students

Person Responsible:

Department chair/Faculty

Unit gap or institutional goals addressed:

It addresses a Strategic Plan goal or objective

Evaluate Resource Needs

Facilities

Remove remaining lift in the backyard of welding lab.

Remove solar house in backyard of welding lab.

Remove exhaust unit from the North wall of WW147.

Repaint classrooms and offices.

Install more 220V receptacles near demo stations in WW147 and in room WW198 on West wall.

Install curtain around virtual welders.

Information Technology

Clean up wiring in office.

Install new phone line for lab aide desk.

Marketing

Brochures made for outreach days.

Ads in swap sheet, local newspaper, and social media platforms.

Professional Development

The department would like to attend appropriate courses to be able to offer an OSHA 10 course.

The department would like to attend training to become certified welding inspectors with the American Welding Society.

The department would like to attend trade shows and various conferences if possible.

Other Needs

2-Lincoln Electric portable plasma cutters

14 Weld test stands

Triangle Engineering weld specimen backstrap remover

Nondestructive weld test equipment

Staffing Requests

1000 Category - Certificated Positions

INDA

Location:

Justification:

The department is not requesting any new faculty at this time.

2000 Category - Classified Staff

Career Center Program Manager and Program Coordinator

Location:

Ridgecrest/IWV

Salary Grade:

Number of Months:

Number of Hours per Week:

Salary Amount:

Justification:

CTE as a whole would like to request that the career center be fully staffed to include a Program Manager and a Program Coordinator. The manager position would oversee internship projects, serve as a liaison with employers, manage LAEP funding and other grants associated with work based learning.