

Welding Technology

2019 Program Review

MJC Program Review 2019

Modesto Junior College's Program Review process is divided into 3 sections:

- Program Analysis (SWOT Analysis)
- Goal Setting and Activities
- Resource Request

Program Analysis

Internal Strengths

1. What strengths does the analysis of student data reveal?

Most our students are employed and making a living wage after taking courses.

2. Are there specific aspects of the program that are exemplary or could serve as a model?

How short our pathways to attaining living wages are.

3. What do others see as the program's strengths?

Day and night class offerings Ability to become an AWS certified welder

4. How well are students meeting program learning outcomes, skills, or competencies; and how are they relevant to careers in your discipline or industries for which you help prepare students?

Our students in past years are in the 90% range for completing PLOs. The training provided accurately prepares students for the work force and the PLOs reflect what the advisory committee identifies as important

Internal Weaknesses

5. What gaps are observed by reviewing the student data?

We have many students that are seen as non-completers because they are able to obtain a desired job in less than the 9 units that are a baseline or without desiring to file for the completion.

6. What disproportionate gaps need to be addressed?

I do not see any in the data.

7. What are areas in which the program could improve? (curriculum, scheduling, modality, other?)

Creating new 9 unit certificates in condensed 8 week classes to provide faster turnaround to employment.

8. Where are there gaps in the program on how students are meeting learning outcomes, skills, or competencies?

Math

External Opportunities

9. Where are potential opportunities for expansion, improvement, or new program development?

We currently are updating the lab to accommodate more students via more stations.

10. What are some industry or disciplinary trends that could enhance the program?

Possibly adding forklift training or other logistical classes into a pathway

External Threats

11. How are changing resources, technology, employer, or transfer requirements affecting the program’s ability to serve students?

Currently this is very minimal in our area.

12. What are some current industry or disciplinary trends that could have a negative impact on the program?

Moving to robotic welding and automated welding.

13. What other obstacles does the program face?

High cost of consumables to preform welding procedure, maintaining equipment in harsh environment.

Goal Setting and Activities

Goals

Program Goal	Mission Alignment	Area of Focus
Increase the number of students completing	Workforce Needs	Student

certificates.

Offer more course modality options for Welding Students inclusive of (a) expanded night classes, (b) acceleration options i.e. 8 week sessions, (c) annual AWS certification testing for welding students

Expand curriculum on Canvas/online.

Programs / Services based on Scholarship of Teaching and Learning

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Support Program Design

Curriculum

Activities

Activities	In Support of Goal #	Outcome or Deliverable
Updating curriculum and adding online/canvas	Goal #3	1. Deliverable
Create 8 week classes on the spring schedule	Goal #2	2. 8 Week classes offered, will be fully enrolled
Purchase new PPE to allow auto lab to be used	Goal #2	3. Deliverable
Create single semester 9 unit class schedule	Goal #1	4. Classes will be schedule by 2020-2021 that enable Welding students to enroll in 9 units and achieve a certificate

Resource Requests

Category	Request	Activity #	Estimated Cost
Prof. Devel.	Online curriculum/content for 2 instructors. To be used for online development/canvas	1	1001.28
Equipment	New welding helmets and welding jackets	3	10500.00