

Palo Verde College

Program Outline Report

Program Basics

Program Title:	Fundamentals of Welding Certificate of Career Preparation
Program Status:	Active from 2021-22 Summer (2022SU)
Department:	Welding
Award Type:	Certificate of Career Preparation (Credit)
Program/Catalog Description	The Certificate of Career Preparation in Fundamentals of Welding is designed to provide students with a basic background in welding and metal fabrication. Students will be introduced to safety procedures, use of gas metal arc welding (GMAW), shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW) and oxyacetylene welding (OAW), consumables & welding equipment, and proper welding techniques.
Control Number:	No value
Credential ID:	No value
Transferability:	No value
(SP01) Program TOP Code:	0956.50
(SP01) Program TOP Code:	Welding Technology
(SP02) Student Program Award:	Certificate requiring 6 to fewer than 18 semester units (not approved by Chancellor's Office)
Maximum Credits:	12
Minimum Credits:	12
Curriculum Committee Approval Date:	04/14/2022
Board of Trustees Approval Date:	05/10/2022
External Review Approval Date:	05/10/2022

Proposal Details

Proposal Start:	2021-22 Summer (2022SU)
What changes have been made to the program:	No value
Program Justification:	No value

Submission Rationale

- New Program

Program Requirements

Required Courses (Total 12)**Complete all of the following**

WEL100 - Oxyacetylene Gas Welding	3
WEL101 - Shielded Metal Arc Welding	3
WEL102 - Basic Gas Metal Arc Welding	3
WEL103 - Basic Gas Tungsten Arc Welding	3

Recommended Sequences**New Sequence****Term 1 (Total 3)****Required Courses (Total 3)****Take one of the following**

WEL100 - Oxyacetylene Gas Welding	3
WEL101 - Shielded Metal Arc Welding	3

Term 2 (Total 3)**Required Courses (Total 3)****Take one of the following**

WEL102 - Basic Gas Metal Arc Welding	3
WEL103 - Basic Gas Tungsten Arc Welding	3

Program Outcomes**Fundamentals of Welding Certificate of Career Preparation**

PSLO

Performance

Describe and demonstrate safety procedures using the arc welding process

70

Program Narrative**Narrative Item 1. Program Goals and Objectives**

The Certificate of Career Preparation in Fundamentals of Welding is designed to provide students with a basic background in welding and metal fabrication. Students will be introduced to safety procedures, use of gas metal arc welding (GMAW), shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW) and oxyacetylene welding (OAW), consumables & welding equipment, and proper welding techniques.

Narrative Item 2. Catalog Description

The Certificate of Career Preparation in Fundamentals of Welding is designed to provide students with a basic background in welding and metal fabrication. Students will be introduced to safety procedures, use of gas metal arc welding (GMAW), shielded metal arc welding (SMAW), gas tungsten arc welding (GTAW) and oxyacetylene welding (OAW), consumables & welding equipment, and proper welding techniques.

Narrative Item 3. Program Requirements

Course Number		Course Titles	Units		
		REQUIRED COURSES	Required	Pending	Completed
WEL	100	Oxyacetylene Gas Welding	3		
WEL	101	Shielded Metal Arc Welding	3		
WEL	102	Basic Gas Metal Arc Welding	3		
WEL	103	Basic Gas Tungsten Arc Welding	3		
		Total Required	12		

		REQUIRED COURSES	Term
WEL	100	Oxyacetylene Gas Welding	Term 1
WEL	101	Shielded Metal Arc Welding	Term 1
WEL	102	Basic Gas Metal Arc Welding	Term 2
WEL	103	Basic Gas Tungsten Arc Welding	Term 2

Narrative Item 4. Master Planning (Not needed for Certificates of Career Preparation)

This certificate program fits in to the college mission by allowing students to complete all 4 courses in 1 year. This certificate has been designed so that it can be latticed and stacked with other certificates for students pursuing the AS degree in welding.

Narrative Item 5. Enrollment and Completer Projections (Not needed for Certificates of Career Preparation)

(15) students are expected to complete this certificate each year, based on current and past enrollment.

Narrative Item 6. Place of Program in Curriculum/Similar Programs (Not needed for Certificates of Career Preparation)

This certificate fits into the existing welding program by allowing students the opportunity to complete the certificate in 1 year's time, which will help with student retention in the WEL program.

Narrative Item 7. Similar Programs at Other Colleges in Service Area (Not needed for Certificates of Career Preparation)

The following community colleges in our service area offer welding programs: Imperial Valley College and College of the Desert. Based on Palo Verde College's remote location and industry growth requiring welding in our community, Palo Verde College will bridge the gap by providing new courses and programs that will lead to High Skill - High Demand training and possible employment.

LMI and Analysis

attached

Advisory Committee Recommendations (Not needed for Certificates of Career Preparation)

No Value

Regional Consortia Recommendations (Not needed for Certificates of Career Preparation)

No Value