

## ***Production Welder COA – New Program Academic Senate Presentation***

The production welder certificate is a subset of our current Welding Technology COA & AS. It is just a smaller grouping with fewer units to enable students to enter the workforce earlier with some college credential in hand, and also allows them to continue working towards the COA and AS. In essence this is a stackable Certificate and is the first step on the stack. We also hope to offer other subsets in the future addressing the needs of pipe welding, fabrication and automation technologies.

### **Anticipated resources and cost including classified professional support and administrative oversight**

This is just a subset of what we currently do and is no need for or requires any additional staffing or support, this is just a regrouping and re-branding of what we already do.

### **Need or demand?**

There is a very strong need for skilled welding professionals in our local area and broader bay & delta region. Employers are continuously seeking out new individuals to backfill into openings as people retire and through normal attrition. There is also a new resurgence in manufacturing in our area as companies that would have been traditionally located in areas like Oakland the peninsula a word or the Southbay are now moving to Livermore and San Joaquin county to address the issues of space and cost of real estate and square footage on operating expenses.

The labor market information provided to programs with respect to their program review shows that there is light demand for this occupation in our area. I would contend that the data collection and specificity of what is in that document provides it of little resource when looking at a program like this. 49% of the workers in that occupation category are listed working at a company listed as "Other" when defining the industry sector. Welding is a School that is embedded in numerous different types of occupational categories from industrial maintenance to new manufacturing to pipes in petrochemicals to water natural gas and other endless applications. When we take a look at something more relevant and something more useful like the online indeed job prospect what we see is a very brisk and well-paying listing of jobs available to potential students in our area. There's also backs in need of many employers having a tough time trying to fill jobs in this particular category. None of this aligns with the labor market data provided for use on the program review.

We recently attended the Livermore high school advisory board meeting that is also made up of groups of members that are in the Las Positas College Welding advisory board and discussed this topic. It got positive comments from all and they were especially encouraged by the idea of having stackable certificate going forward into the future in this being just the first step in that stack or re-branding of what we already do. We are planning to approve this at our December 18 welding advisory board meeting here at LPC.

### **Transfer**

We anticipate this will lead to many different transfers. Not the transfers we normally count here at the college but transfers from unemployed student to employment, financial success with room for advancement. That is the goal of this certificate of achievement.

## Local Area

There are many other Welding technology programs located at other community colleges in the bay region. We all offer essentially the same content, similar for example as in automotive. No other program has re-branded what the existing certificate in degree offers like this. I predict in the future others will follow our lead. We are the Premier welding program in the bay region and like with everything else. people follow the Leader.

## Mission Alignment

1. **Encouraging and celebrating lifelong learning - The certificate is nothing but the first step in the lifelong learning process** Welding certifications only last six months and must be constantly renewed and refreshed as a person moves throughout the industry and their career.
2. **Responding to the needs of the ever-changing workplace and society** - That is the goal and focus of this particular new program to meet the needs of employers in that ever-changing workplace or ever-changing employee dynamic.
3. **Demonstrating civic, social and environmental responsibility** - 100% of the materials that we use in the welding department are recycled and reused. By tonnage we are the most environmental friendly program on campus and understanding that lifecycle of materials is part of the education that we offer. A piece of steel is more green than a piece of wood. A piece of steel can be remelted and reused again and again and a piece of wood can only be used one or two times.
4. **Fostering a climate of discovery, creativity, personal development, and physical and mental health** - we get to three types of students entering our program. People who have never welded and want to try. People who have hobbies that involve welding. People that are looking for employment. This program addresses the third group.

## FTEF Required

There is no new request here for anything additional this is just regrouping some existing coursework that we already offer or in the process of updating or modifying.

## Schedule

If successful the plan would be to begin offering this to your students in the fall of 2024.

## PSLO's

Upon completion of the production welder certificate of achievement, the student will be able to perform basic welds using two different welding processes.

Upon completion of the production welder certificate of achievement the student will be able to work safely in a welding workplace environment.

Upon completion of the production welder certificate of achievement the student will be able to work read and interpret welding blueprints and technical drawings.

## Program Map

See Map document.

**Production Welder - B CA - Certificate of Achievement (8 to fewer than 16 semester units)**

**Fall 2024**

**Course Sequence**

**Required Core: (3 Units)**

		<b>Units</b>
WLDT 73	Welding Workplace Safety	1
WLDT 55	Print Reading for Industry	2

**List A: (3 Units)**

		<b>Units</b>
WLDT 61	Welding Ferrous Metals	3
	<b>or</b>	
WLDT 62	Welding Nonferrous Metals	3

**List B: (4 Units)**

		<b>Units</b>
WLDT 61AL	SMAW Skills Lab	2
	<b>or</b>	
WLDT 61BL	FCAW Skills Lab	2
	<b>or</b>	
WLDT 62AL	GTAW Skills Lab	2
	<b>or</b>	
WLDT 62BL	GMAW Skills Lab	2

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**Total Units** **10**

Program Mapping Template 23-24 (Program: WLDT - Production Welder)

AA   
  AS   
  AA-T   
  AS-T   
  CA   
  CC   
  CSU

*This is an example course sequence. All plans can be modified to fit the needs of part-time students by adding more semesters. Students must meet with a counselor to complete an individualized educational plan.*

**SEMESTER 1 - FALL**

Courses	Units	Semesters Offered	Prereq?	Advisory Notes and Milestones
WLDT 73	1	Fall		*One course from List A: WLDT 61 or 62.  **4 units from List B: WLDT 61AL, 61BL, 62AL, or 62BL
WLDT 55	2	Fall		
List A*	3	Fall/Spring		
List B**	4	Fall/Spring		
<b>SEMESTER TOTAL</b>	<b>10</b>			

**SEMESTER 2 - SPRING**

Courses	Units	Semesters Offered	Prereq?	Advisory Notes and Milestones
<b>SEMESTER TOTAL</b>				

**SEMESTER 3 - SUMMER**

Courses	Units	Semesters Offered	Prereq?	Advisory Notes and Milestones
<b>SEMESTER TOTAL</b>				

**SEMESTER 4 - FALL**

Courses	Units	Semesters Offered	Prereq?	Advisory Notes and Milestones
<b>SEMESTER TOTAL</b>				

**SEMESTER 5 - SPRING**

Courses	Units	Semesters Offered	Prereq?	Advisory Notes and Milestones
<b>SEMESTER TOTAL</b>	<b>5</b>			
<b>Total Major Coursework</b>	<b>10</b>			
<b>Total Units Required</b>	<b>10</b>			

**Welder**

Southwire  
Livermore, CA 94551

**\$26.50 - \$29.11 an hour** Full-time 40 hours per week

Monday to Friday +3

[Easily apply](#)

A leader in technology and innovation, Southwire Company, LLC is one of North America's largest wire and cable producers. Southwire and its subsidiaries...

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**Shop Welder Helper**

San-I-Pak Pacific, Inc.  
Tracy, CA

**\$25 - \$33 an hour** Full-time 40 hours per week

Monday to Friday +2

[Easily apply](#)

Responsibilities: - Assist in the Fabrication of Steel platforms, frames and parts. - Cut material on a vertical band saw when needed. - Adhere to codes and...

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**Welder**

Statco-DSI Process Systems  
Stockton, CA

**\$53,144 - \$91,104 a year** Full-time

At Statco-DSI, a subsidiary of ProMach's Process business, we have a longstanding reputation in the industries we serve. We offer an extensive portfolio of...

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**Welder/Fabricator**

Jacobs  
Moffett Field, CA

*Pay information not provided* Full-time Overtime

Challenging Today. Reinventing Tomorrow. We're invested in you and your success. Everything we do is more than just a project. It's our challenge as human...

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**TIG Welder / Fabricator**

Teixeira Technologies, Inc.  
Tracy, CA 95304

**\$20 - \$30 an hour** Full-time +1 40 hours per week 10 hour shift

[Easily apply](#)

\*RESUMES ACCEPTED ONLINE ONLY\* Teixeira Technologies (TXT) specializes in designing and manufacturing the best performing suspension and chassis products...

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**Welder I**

Nationwide Boiler Inc  
Fremont, CA 94538 (Baylands area)

**\$21 - \$38 an hour** Monday to Friday +1

Nationwide Boiler Delivers: - Competitive Salaries & Incentives - Attractive Benefits Package - Safe & Comfortable Working Conditions - Opportunities for...

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**Quartz Welder**

Graco  
Fremont, CA

**\$25 - \$40 an hour** Full-time

Graco manufactures and markets premium equipment to move, measure, control, dispense and spray a wide variety of fluid and powder materials. What does that...

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**Heavy Duty Repairman - Welder**

Vulcan Materials Company  
Pleasanton, CA 94588

**\$43.02 an hour** Full-time 40 hours per week Overtime +1

Heavy Duty Repairman - Welder - 2300039X Build Your Career. Build America's Future. Vulcan Materials Company is the nation's largest producer of...

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**Welder**

ProMach  
Stockton, CA

**\$53,144 - \$91,104 a year** Full-time

At Statco-DSI, a subsidiary of ProMach's Process business, we have a longstanding reputation in the industries we serve. We offer an extensive portfolio of...

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**Welder Fabricator Assistant**

JH Motorsports  
Lathrop, CA 95330

*Pay information not provided*

JH Motorsports, Inc. (JHM) is a growing company located in Lathrop, CA that designs, manufactures, and sells performance and OEM replacement parts for Audis...

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**Welder Helper**

PeopleReady  
San Leandro, CA 94577

**\$26 an hour** Full-time

People Ready Skilled Trades is seeking a Welder Assistant for temporary to permanent positions. You will have the opportunity to support a large network of...

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