

Memorandum

To: Sandy Fowler, Dean of CTE & Workforce Development, Woodland Community College

From: Ebony J. Benzing, Research Manager, North/Far North Center of Excellence

Date: Tuesday, March 2, 2021

Re: Labor market data request for Lake County Campus welding programs

Background

Woodland Community College (WCC) requested labor market information from the North/Far North Center of Excellence (NFN COE) to modify an existing welding program at its Lake County Campus. The Lake County Campus serves the residents of Clearlake, CA, and Colusa, Lake, and Yolo's surrounding counties. Using labor market information is an essential step in the process of career education program development and implementation.

This memo uses the Strong Workforce Program labor market information template (Exhibit 1A), developed by the Los Rios Community College District, to summarize occupational demand and educational program supply. The findings below summarize the data analysis shown in Exhibits 1A and 1B.

Relevant Findings

- Much of the projected job growth for welding occupations is centered in the Greater Sacramento area. Jobs for welding occupations are projected to grow 8% in the North (Greater Sacramento) subregion over the next five years, adding 180 new jobs overall. Welding job growth in the Lake County Campus service area is stagnant, with the projected net addition of only one new job by 2024.
- Analysis of data shows a projection of 261 annual openings for welding occupations, 2019-2024, in the North (Greater Sacramento) subregion. The Lake County Campus service area holds 35 (or 13%) of the North subregion's annual openings for welding occupations.
- North subregion postsecondary training programs conferred an average of 108 certificates and degrees in welding programs (TOP 0956.50) between 2017-2017 and 2019-2020.

Recommendations

- Based on a three-year average of annual awards in welding programs (108 certificates and degrees) and projected yearly openings (261 openings for welding occupations), the area seems to have room for new training programs related to the occupation.
- The NFN COE recommends moving forward with program modification.

Please contact Ebony Benzing, COE Research Manager, for further information at Ebony.Benzing@losrios.edu or 916-563-3215.

Exhibit 1A. Labor market data - Welding Programs in the North (Greater Sacramento) subregion

Top6	Top6_Title	SOC Code	SOC Title	Skill Category	Typical Education
0956.50	Welding Technology	51-4121	Welders, Cutters, Solderers, and Brazers	Middle Skill	On-The-Job Training, No College Required
		51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	Middle Skill	On-The-Job Training, No College Required

Demand - the program(s) prepare students to work in the following occupations...			Supply - On average, how many awards (certificates and degrees) are conferred by community colleges and other postsecondary institutions in the region/county identified?	
SOC Code	Occupational Title	2019-2024 Annual Openings	Institution Type	2017-18 through 2019-20 Average Annual Awards
51-4121	Welders, Cutters, Solderers, and Brazers	182	Community Colleges	152
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	79	Other Postsecondary Institutions	0
			Summary of Data Entered:	
			Demand	261
			Supply	108
			Analysis:	
			It's a go! Undersupply indicated	

Community colleges with the same TOP program:		Other ed programs with corresponding CIP programs:	
TOP6 - Top Title		CIP - CIP Title	
School	3-Year Annual Average Awards	School	3-Year Annual Average Awards
0956.50 - Welding Technology		48.0508 - Welding Technology/Welder	
ARC	52	N/A	
CRC	10		
Sierra	32		
Woodland	4		
Yuba	10		

Exhibit 1B. Projected demand for welding occupations in Woodland Community College's Lake County Campus service area, 2019-2024

Occupation	2019 Jobs	2024 Jobs	2019-2024 Change	2019-2024 % Change	2019-2024 Annual Openings
Welders, Cutters, Solderers, and Brazers	222	231	8	3.8%	24
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	113	105	(7)	(6.6%)	11
WCC Lake County Campus totals	335	336	1	0.3%	35
Welders, Cutters, Solderers, and Brazers	1,448	1,637	190	13.1%	182
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	814	804	(10)	(1.2%)	79
North (Greater Sacramento) totals	2,261	2,441	180	7.9%	261
Welders, Cutters, Solderers, and Brazers	2,198	2,205	7	0.3%	264
Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	320	385	65	20.3%	827
North/Far North totals	2,518	2,590	72	2.9%	1,091

Exhibit 2. North subregion welding award trends, 2015-16 through 2019-2020

