

Labor Market Information

Gas Metal Arc Welding (GMAW)/Flux Core Arc Welding (FCAW)

In a separate attachment, provide current Labor Market Information showing that jobs are available for program completers within the local service area. Statewide or national LMI may be included as supplementary support but evidence of need in the specific college service area or region is also necessary.

The 2017 [Labor Market Overview: North Central Valley/Northern Mother Lode Subregion Report](#) prepared by the Central Valley/Mother Lode Subregion Center of Excellence is attached and lists the occupation Welders, Cutters, Solderers and Brazers. The staffing pattern listed in the report reflects a 5% increase in employment (p. 63) over the next 5 years. The report also lists welding as one of the top five occupations requiring less than a bachelor's degree advertised by employers and was identified as one of the positions employers most sought to fill in the last 12 months (p. 64).

Industry Staffing Patterns

The staffing patterns data for the manufacturing industry that indicated an addition of 10 or more jobs in the next five years are shown in Exhibit 82.

Exhibit 82: Manufacturing staffing patterns

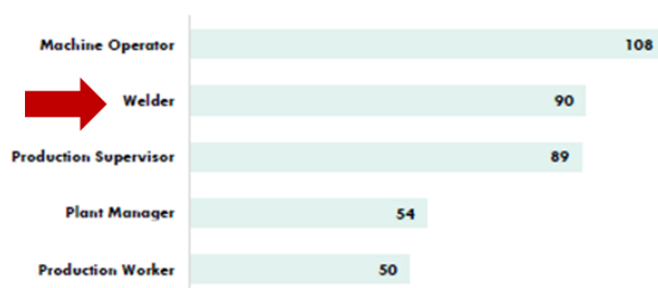
SOC	Description	Employment		5-Year Change	5-Year % Change
		2016	2021		
49-9041	Industrial Machinery Mechanics	1,106	1,257	151	14%
51-9111	Packaging and Filling Machine Operators and Tenders	4,070	4,184	114	3%
51-9196	Paper Goods Machine Setters, Operators and Tenders	695	792	97	14%
51-9012	Separating, Filtering, Clarifying, Precipitating and Still Machine Setters, Operators and Tenders	930	1,007	77	8%
51-1011	First-Line Supervisors of Production and Operating Workers	1,864	1,930	66	4%
51-4041	Machinists	674	732	58	9%
51-4121	Welders, Cutters, Solderers and Brazers	969	1,021	52	5%



Job Postings

An analysis of job posting data for the 24 staffing pattern occupations shows the positions employers most sought to fill in the last 12 months. Exhibit 83 details the top five occupations requiring less than a bachelor's degree advertised by employers.

Exhibit 83: Manufacturing job postings



Source: *Labor Market Overview: North Central Valley/Northern Mother Lode Subregion Report*, Central Valley/Mother Lode Subregion Center of Excellence

Multi-sector occupational demand projections reflect a 5% increase with 71 annual openings. Entry level wages are listed as \$13.07 with a median hourly wage of \$18.74 (pp 81-82).

APPENDIX C: MULTI-SECTOR OCCUPATIONAL DATA

Exhibit 1C: Multi-sector occupational demand projections

Occupation	2016	2021	5-Yr Change	5-Yr % Change	Annual Openings
Bus and Truck Mechanics and Diesel Engine Specialists	1,409	1,564	155	11%	57
Installation, Maintenance and Repair Workers, All Other	892	937	45	5%	23
Mobile Heavy Equipment Mechanics, Except Engines	577	609	32	6%	21
Security and Fire Alarm Systems Installers	200	231	31	16%	12
Structural Metal Fabricators and Fitters	416	438	22	5%	12
Aircraft Mechanics and Service Technicians	146	159	13	9%	6
Control and Valve Installers and Repairers, Except Mechanical Door	92	101	9	10%	6
Welders, Cutters, Solderers and Brazers	1,730	1,814	84	5%	71



Exhibit 2C: Multi-sector occupational wages

Occupation	Entry-level Wages	Median Hourly Wages
Bus and Truck Mechanics and Diesel Engine Specialists	\$15.80	\$21.55
Installation, Maintenance and Repair Workers, All Other	\$11.17	\$16.05
Mobile Heavy Equipment Mechanics, Except Engines	\$16.02	\$24.25
Security and Fire Alarm Systems Installers	\$13.37	\$19.32
Structural Metal Fabricators and Fitters	\$14.80	\$20.91
Aircraft Mechanics and Service Technicians	\$15.87	\$25.30
Control and Valve Installers and Repairers, Except Mechanical Door	\$18.54	\$30.56
Welders, Cutters, Solderers and Brazers	\$13.07	\$18.74



Source: *Labor Market Overview: North Central Valley/Northern Mother Lode Subregion Report*, Central Valley/Mother Lode Subregion Center of Excellence

Industries that employ these workers include food processing, aerospace, pipefitting, motorsports/auto body, and others that require the joining of alloys with concern for cleanliness and integrity on thick-to-thin materials.