

WORKFORCE DATA AND PROGRAM GAP ANALYSIS

The District engaged Emsi⁶ (a leading provider of labor market data) to do a comprehensive analysis of the labor market in the SBCCD Colleges' service areas. The analysis also includes gap analyses, comparing the supply and demand for workers with various types of credentials in related occupations. The data shown here is drawn directly from the labor market data included in the District Strategic Plan.

This section of the Plan includes a short summary. The full Executive summary of the Emsi report is included in Appendix A (on page 96).

Recommendations

The Emsi Report classified occupations into four categories. These are shown in the four quadrants of the following chart.

HIGH DEMAND, LOW SUPPLY	HIGH DEMAND, HIGH SUPPLY
How can we expand these program opportunities? Cooking & Related Culinary Arts, General (CERT & ASSOC) Machine Tool Technology/Machinist (CERT & ASSOC) Real Estate (ASSOC) Electrical/Electronics Equipment Installation & Repair, General (ASSOC & T-T)	Can we maintain focus on program quality & student success? Welding Technology/Welder (CERT) Emergency Medical Technology/Technician (EMT Paramedic) (CERT) Automobile/Automotive Mechanics Technology/Technician (ASSOC) Information Technology (ASSOC & T-T)
LOW DEMAND, LOW SUPPLY	LOW DEMAND, HIGH SUPPLY
Should we discontinue these programs? Philosophy (ASSOC) Astronomy (T-T)	Are we connecting these programs to opportunities outside the region? Criminal Justice/Police Science (CERT) Social Sciences, General (ASSOC) Anthropology (T-T)

Source: Emsi program demand gap model. The programs recommended in the table were chosen by the Emsi Economist authoring the report. While the table refers solely to the demand and supply, additional consideration has been given to wages when selecting programs featured in this table. Some programs with significant gaps and low wages are not included in this table, while other high wage programs with moderately high gaps have been included.

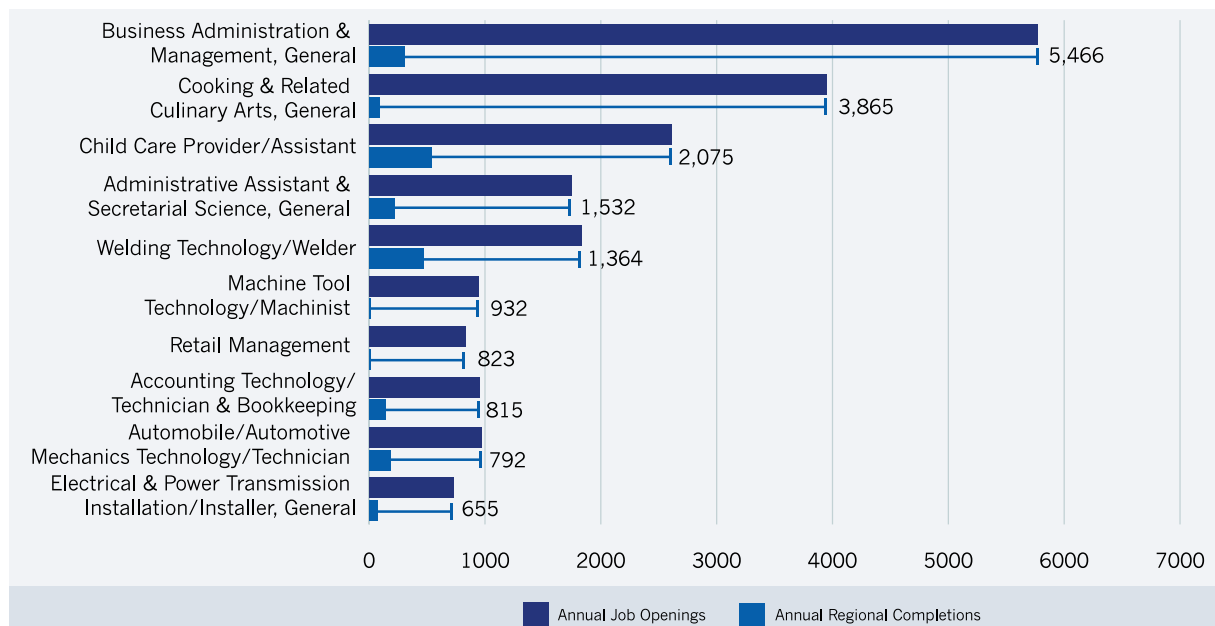
⁶Emsi (now called Lightcast) can be found at <https://www.economicmodeling.com>

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Program Gap Analysis

Certificate Level Gaps for San Bernardino Valley College

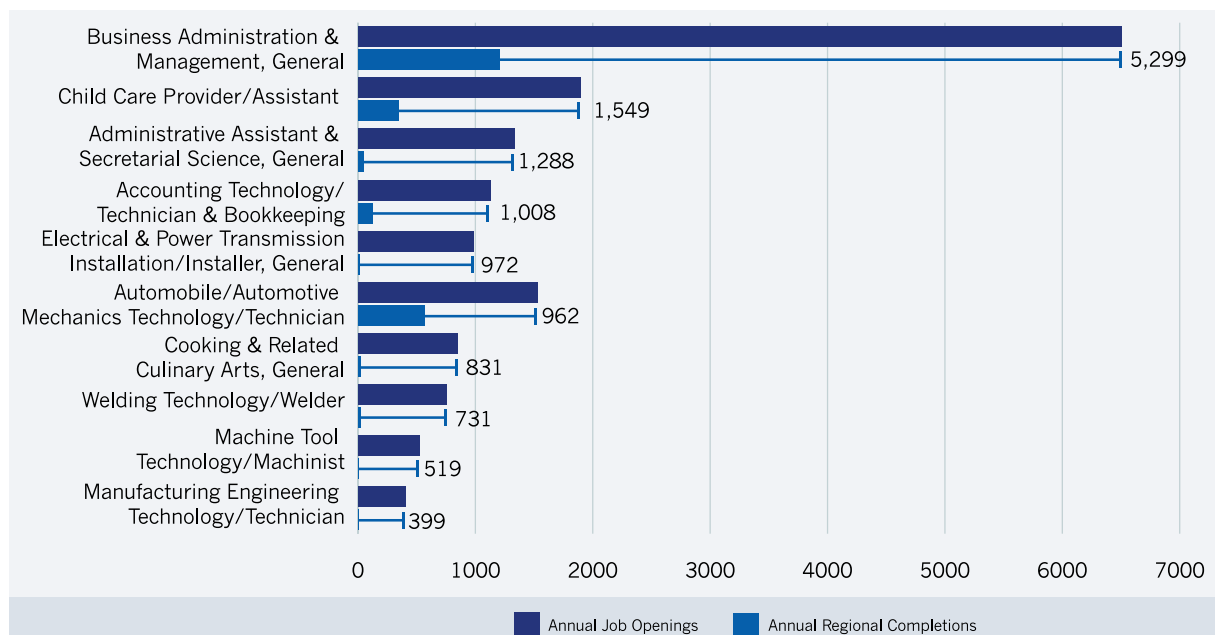
The following chart shows, for each occupation, annual job openings and the annual regional completions. The number to the right of each bar shows the gap between the completions and openings. A large number indicates that there are more annual job openings than there are annual certificate completions.



Source: Emsi program demand gap model.

Associate Degree Level Gaps for San Bernardino Valley College

The following chart shows, for each occupation, annual job openings and the annual regional completions. The number to the right of each bar shows the gap between the completions and openings. A large number indicates that there are more annual job openings than there are annual Associate Degree completions.



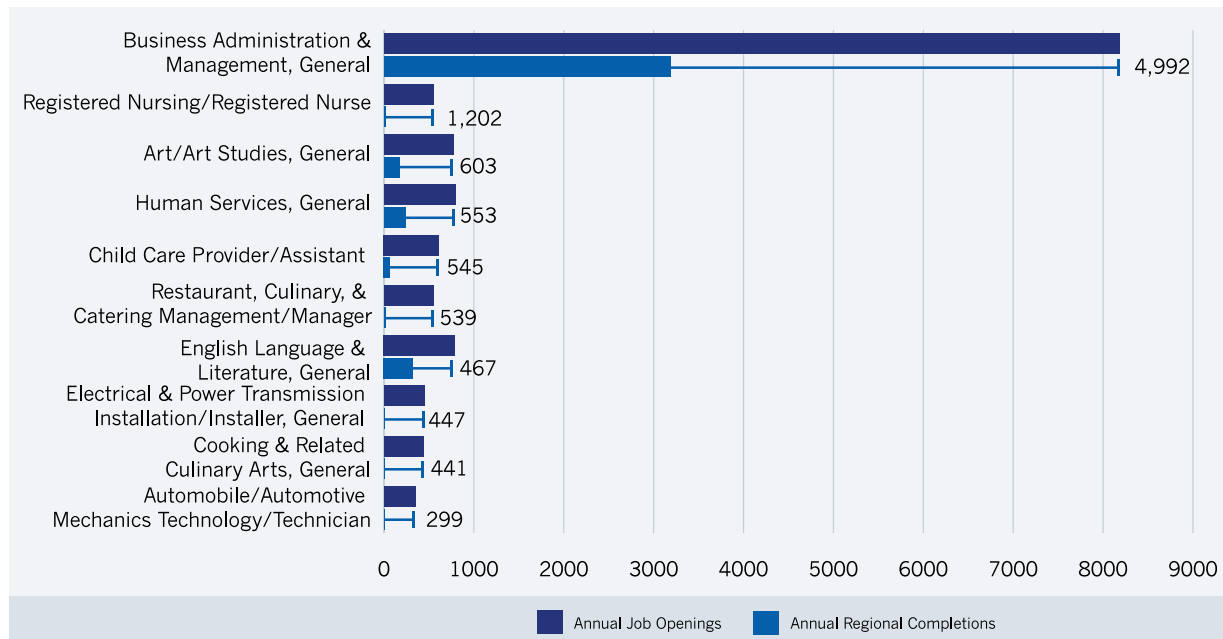
Source: Emsi program demand gap model.

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Program Gap Analysis

Transfer-Track Degree Level Gaps for San Bernardino Valley College

The following chart shows, for each occupation, annual job openings and the annual regional completions. The number to the right of each bar shows the gap between the completions and openings. A large number indicates that there are more annual job openings than there are annual Transfers-Track Degrees.



Source: Emsi program demand gap model.

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Opportunities – Program Additions

The following chart shows, for each occupation, annual job openings and the annual regional completions. The number to the right of each bar shows the gap between the completions and openings. A large number indicates that there are more annual job openings than there are annual Transfers-Track Degrees.

SOC TITLE	2020 JOBS	ANNUAL JOB OPENINGS	ANNUAL COMPL.	GAP	MEDIAN HOURLY WAGE	ED. LEVEL
Heavy and Tractor-Trailer Truck Drivers	31,981	3,160	4	3,156	\$22.56	CERT
Carpenters	22,088	1,648	8	1,641	\$22.54	CERT
Construction Laborers	19,914	1,582	8	1,574	\$18.73	CERT
First-Line Supervisors of Transportation and Material Moving Workers, Except Aircraft Cargo Handling Supervisors	8,838	760	0	760	\$27.06	CERT
Medical Secretaries and Administrative Assistants	8,571	655	106	549	\$17.76	CERT
Painters, Construction and Maintenance	7,190	479	3	476	\$17.77	CERT
Operating Engineers and Other Construction Equipment Operators	4,445	416	2	414	\$39.51	CERT
Nursing Assistants	8,438	912	542	369	\$16.23	CERT
Order Clerks	3,045	252	1	251	\$17.39	CERT
Dental Assistants	6,316	604	436	168	\$17.46	CERT
Dental Hygienists	1,988	117	50	67	\$45.73	ASSOC
Respiratory Therapists	1,885	99	38	61	\$35.33	ASSOC
Occupational Therapy Assistants	367	44	0	44	\$35.16	ASSOC
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	9,919	706	8	697	\$21.90	T-T
Insurance Sales Agents	5,693	311	0	311	\$21.14	T-T
Office and Administrative Support Workers, All Other	5,089	295	0	295	\$15.99	T-T
Production, Planning, and Expediting Clerks	5,112	287	0	287	\$22.31	T-T
Securities, Commodities, and Financial Services Sales Agents	3,375	210	2	208	\$23.81	T-T

SOC refers to the Standard Occupational Classification system used to classify occupations. Average annual job openings represent regional data from 2020 to 2030. Numbers may not sum due to rounding.

Source: Emsi program demand gap model.