



Landscape Design Occupations Labor Market Information Report Diablo Valley College

Prepared by the San Francisco Bay Center of Excellence for Labor Market Research
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Recommendation

Based on all available data, there appears to be an “undersupply” of Landscape Design workers compared to the demand for this cluster of occupations in the Bay region and in the East Bay sub-region (Alameda, Contra Costa counties). There is a projected annual gap of about 5,695 students in the Bay region and 1,753 students in the East Bay Sub-Region.

Introduction

This report provides student outcomes data on employment and earnings for TOP 0109.10 - Landscape Design and Maintenance programs in the state and region. It is recommended that these data be reviewed to better understand how outcomes for students taking courses on this TOP code compare to potentially similar programs at colleges in the state and region, as well as to outcomes across all CTE programs at Diablo Valley College and in the region.

This report profiles Landscape Design Occupations in the 12 county Bay region and in the East Bay sub-region for a proposed new Landscape Design Entrepreneurship program at Diablo Valley College.

- **First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers (37-1012):** Directly supervise and coordinate activities of workers engaged in landscaping or groundskeeping activities. Work may involve reviewing contracts to ascertain service, machine, and workforce requirements; answering inquiries from potential customers regarding methods, material, and price ranges; and preparing estimates according to labor, material, and machine costs.
Entry-Level Educational Requirement: High school diploma or equivalent
Training Requirement: None
Percentage of Community College Award Holders or Some Postsecondary Coursework: 30%
- **Landscaping and Groundskeeping Workers (37-3011):** Landscape or maintain grounds of property using hand or power tools or equipment. Workers typically perform a variety of tasks, which may include any combination of the following: sod laying, mowing, trimming, planting, watering, fertilizing, digging, raking, sprinkler installation, and installation of mortarless segmental concrete masonry wall units. Excludes “Farmworkers and Laborers, Crop, Nursery, and Greenhouse” (45-2092).
Entry-Level Educational Requirement: No formal educational credential
Training Requirement: Short-term on-the-job training
Percentage of Community College Award Holders or Some Postsecondary Coursework: 20%

Occupational Demand

Table 1. Employment Outlook for Landscape Design Occupations in Bay Region

Occupation	2019 Job	2024 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
First-Line Supervisors of Landscaping, Lawn Service, Groundskeeping Workers	3,775	4,028	253	7%	2,388	478	\$ 18.18	\$ 26.54
Landscaping and Groundskeeping Workers	35,960	38,418	2,458	7%	26,436	5,287	\$ 14.40	\$ 17.98
Total	39,735	42,446	2,711	7%	28,824	5,765	\$14.76	\$18.79

Source: EMSI 2020.4

Bay Region includes: Alameda, Contra Costa, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Clara, Santa Cruz, Solano and Sonoma Counties

Table 2. Employment Outlook for Landscape Design Occupations in East Bay Sub-region

Occupation	2019 Job	2024 Jobs	5-yr Change	5-yr % Change	5-yr Total Openings	Annual Openings	25% Hourly Earning	Median Hourly Wage
First-Line Supervisors of Landscaping, Lawn Service, Groundskeeping Workers	1,202	1,267	65	5%	735	147	\$ 18.62	\$ 26.04
Landscaping and Groundskeeping Workers	11,411	12,089	678	6%	8,219	1,644	\$ 14.55	\$ 17.70
Total	12,613	13,356	743	6%	8,954	1,791	\$14.94	\$18.49

Source: EMSI 2020.4

East Bay Sub-Region includes: Alameda, Contra Costa Counties

Job Postings in Bay Region and East Bay Sub-Region

Table 3. Number of Job Postings by Occupation for latest 12 months (Dec 2019-Nov 2020)

Occupation	Bay Region	East Bay
Landscaping and Groundskeeping Workers	2,104	678
First-Line Supervisors of Landscaping, Lawn Service, Groundskeeping Workers	316	95

Source: Burning Glass

Table 4a. Top Job Titles for Landscape Design Occupations for latest 12 months (Dec 2019-Nov 2020) Bay Region

Title	Bay	Title	Bay
Groundskeeper	241	Yard Crew Member	30
Landscaper	143	Groundsman	29
Irrigation Technician	98	Enhancement Landscape Laborer	27
Landscape Laborer	68	Landscape Gardener	22
Gardener	62	Greenskeeper	22
Porter/Groundskeeper	52	Landscape Crew Leader	21
Landscaping Crew Leader	47	Landscape Irrigation Technician	19
Janitor/Groundskeeper	40	Landscape Construction Foreman	19
Groundskeeper/Porter	31	Landscape Technician	17

Source: Burning Glass

**Table 4b. Top Job Titles for Landscape Design Occupations for latest 12 months (Dec 2019-Nov 2020)
East Bay Sub-Region**

Title	East Bay	Title	East Bay
Groundskeeper	72	Irrigation Specialist	9
Landscaper	46	Landscape Gardener	8
Irrigation Technician	43	Landscape Crew Leader	8
Landscape Laborer	30	Gardener	8
Porter/Groundskeeper	17	Restoration Field Technician	7
Janitor/Groundskeeper	15	Landscape Irrigation Technician	7
Landscaping Crew Leader	14	Landscape Helper	7
Groundsman	11	Landscape Crew Lead	7
Enhancement Landscape Laborer	11	Grounds Specialist	7

Source: Burning Glass

Industry Concentration

Table 5. Industries hiring Landscape Design Workers in Bay Region

Industry – 6 Digit NAICS (No. American Industry Classification) Codes	Jobs in Industry (2019)	Jobs in Industry (2024)	% Change (2019-24)	% Occupation Group in Industry (2019)
Landscaping Services	28,240	30,212	7%	71%
Local Government, Excluding Education and Hospitals	2,232	2,340	5%	6%
Golf Courses and Country Clubs	827	835	1%	2%
Colleges, Universities, and Professional Schools (State Government)	575	637	11%	1%
All Other Amusement and Recreation Industries	565	678	20%	1%
Crop Production	490	491	0%	1%
Colleges, Universities, and Professional Schools	452	498	10%	1%
Hotels (except Casino Hotels) and Motels	406	420	3%	1%
Private Households	335	337	1%	1%
Colleges, Universities, and Professional Schools (Local Government)	256	248	-3%	1%

Source: EMSI 2020.4

Table 6. Top Employers Posting Landscape Design Occupations in Bay Region and East Bay Sub-Region (Dec 2019-Nov 2020)

Employers	Bay	Employer	East Bay
Brightview	172	Brightview	86
Cagwin Dorward	51	ServiceMaster	20
ServiceMaster	43	Cagwin Dorward	20
Landcare	35	ABM Industries	17
Greystar	35	Bwd Gardens	14
ABM Industries	33	Monarch Landscape Companies	11
City Wide Property Services Inc	28	Terracare Associates	10
Fpi Management	20	Philco Building Maintenance	10
Davey Tree Expert Company	20	Greystar	10

Employers	Bay	Employer	East Bay
Monarch Landscape Companies	19	City Wide Property Services Inc	10
Brightview Landscapes, Llc	18	Pinnacle Property Management Services	9
Stanford University	17	Castro Valley Unified School District	9
The Brickman Group, Ltd	16	Winncompanies	7
Pinnacle Property Management Services	14	Wine Group	7

Source: Burning Glass

Educational Supply

There are seven (7) community colleges in the Bay Region issuing 70 awards on average annually (last 3 years ending 2018-19) on TOP 0109.10 - Landscape Design and Maintenance. In the East Bay Sub-Region, there are three (3) community colleges that issued 38 awards on average annually (last 3 years) on this TOP code.

Table 7. Community College Awards on TOP 0109.10 - Landscape Design and Maintenance in Bay Region

College	Subregion	Associate	Certificate Low	Total
Cabrillo	SC - Monterey	2	6	8
Diablo Valley	East Bay	0	1	1
Las Positas	East Bay	1	0	1
Marin	North Bay	1	2	3
Merritt	East Bay	16	20	36
San Francisco	Mid-Peninsula	2	13	15
Santa Rosa	North Bay	1	5	6
Total		23	47	70

Source: Data Mart

Note: The annual average for awards is 2016-17 to 2018-19.

Gap Analysis

Based on the data included in this report, there is a large labor market gap in the Bay region with 5,765 annual openings for the Landscape Design occupational cluster and 70 annual (3-year average) awards for an annual undersupply of 5,695 students. In the East Bay Sub-Region, there is also a gap with 1,791 annual openings and 38 annual (3-year average) awards for an annual undersupply of 1,753 students.

Student Outcomes

Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 0109.10 - Landscape Design and Maintenance

2017-18	Bay All CTE Program	Diablo Valley All CTE Program	State 0109.10	Bay 0109.10	East Bay 0109.10	Diablo Valley 0109.10
% Employed Four Quarters After Exit	67%	60%	57%	50%	51%	NA
Median Quarterly Earning Two Quarters After Exit	\$11,466	\$8,979	\$8,646	\$9,669	\$8,854	NA
Median % Change in Earning	31%	35%	24%	26%	4%	NA
% of Students Earning a Living Wage	53%	39%	52%	46%	44%	NA

Source: Launchboard Pipeline (version available on August 2020)

Skills, Certifications and Education

Table 9. Top Skills for Landscape Design Occupations in Bay Region (Dec 2019-Nov 2020)

Skill	Posting	Skill	Posting
Repair	695	Occupational Health and Safety	123
Oral Irrigation	359	Power Saws	120
Cleaning	351	Irrigation (Agriculture)	119
Customer Service	343	Budgeting	112
Irrigation Systems	329	Herbicides	100
Lifting Ability	259	Supervisory Skills	96
Debris and Litter Control	245	Carpentry	91
Fertilizers	241	Customer Contact	90
Hand Tools	232	Predictive / Preventative Maintenance	90
Machinery	214	Weed Eaters	88
Power Tools	203	Plumbing	86
Scheduling	166	Masonry	81
Painting	130	Lawnmowers	68
Landscaping	128	Snow Removal	65

Source: Burning Glass

Table 10. Certifications for Landscape Design Occupations in Bay Region (Dec 2019-Nov 2020)

Skill	Posting	Skill	Posting
Driver's License	1,062	Juniper Networks Certified Internet Specialist	3
Certified Pest Control	35	Juniper Networks Certified Internet Associate	3
Cdl Class C	25	Cisco Certified Network Professional (CCNP)	3
First Aid Cpr Aed	17	Cisco Certified Network Associate (CCNA)	3
CDL Class A	16	Cisco Certified Design Professional (CCDP)	3
Contractors License	11	Certified Landscape Technician	3
Certified Arborist	10	Business License	3
Backflow Prevention Certification	8	Basic Life Saving (BLS)	3
Cdl Class B	6	Basic Cardiac Life Support Certification	3
Certified Applicator	4	Security Clearance	2

Source: Burning Glass

Note: 54% of records have been excluded because they do not include a certification. As a result, the chart below may not be representative of the full sample.

Table 11. Education Requirements for Landscape Design Occupations in Bay Region

Education (minimum advertised)	Latest 12 Mos. Postings	Percent 12 Mos. Postings
High school or vocational training	706	87%
Associate's degree	25	3%
Bachelor's degree	81	10%

Source: Burning Glass

Methodology

Occupations for this report were identified by use of skills listed in O*Net descriptions and job descriptions in Burning Glass. Labor demand data is sourced from Economic Modeling Specialists International (EMSI) occupation data and Burning Glass job postings data. Educational supply and student outcomes data is retrieved from multiple sources, including CTE Launchboard and CCCCCO Data Mart.

Sources

O*Net Online

Labor Insight/Jobs (Burning Glass)

Economic Modeling Specialists International (EMSI)

CTE LaunchBoard www.calpassplus.org/Launchboard/

Statewide CTE Outcomes Survey

Employment Development Department Unemployment Insurance Dataset

Living Insight Center for Community Economic Development

Chancellor's Office MIS system

Contacts

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