** Interior Design Occupations**

**Labor Market Information Report**

**City College of San Francisco**

Prepared by the San Francisco Bay Center of Excellence

for Labor Market Research

February 2020

# Recommendation

Based on all available data, there appears to be an undersupply of Interior Design workers compared to the demand for this cluster of occupations in the Bay region and in the Mid-Peninsula sub-region (San Francisco and San Mateo Counties). There is a projected annual gap of about 964 students in the Bay region and 306 students in the Mid-Peninsula Sub-Region.

This report also provides student outcomes data on employment and earnings for programs on TOP 1302.00 - Interior Design and Merchandising 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 City College of San Francisco and in the region.

# Introduction

This report profiles Interior Design Occupations in the 12 county Bay region and in the Mid-Peninsula sub-region for a proposed new program at City College of San Francisco. Labor market information (LMI) is not available at the eight-digit SOC Code level for Architectural Drafters (17-3011.01), therefore, the data shown in Tables 1 and 2 is for Architectural and Civil Drafters (at the six digit SOC level) and likely overstates demand for Architectural Drafters. Tables 3, 4, 6, 9, 10 and 11 use job postings data from Burning Glass at the eight-digit SOC Code level for Architectural Drafters (17-3011.01).

|  |
| --- |
| * **Interior Designers (SOC 27-1025):** Plan, design, and furnish interiors of residential, commercial, or industrial buildings. Formulate design which is practical, aesthetic, and conducive to intended purposes, such as raising productivity, selling merchandise, or improving life style. May specialize in a particular field, style, or phase of interior design. Excludes "Merchandise Displayers and Window Trimmers" (27-1026).
 |
| Entry-Level Educational Requirement: Bachelor's degree |
| Training Requirement: None |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 29% |
|  |
| * **Drafters, All Other (SOC** **17-3019):** All drafters not listed separately.
 |
| Entry-Level Educational Requirement: Associate's *degree* |
| Training Requirement: None |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 72*%* |
|  |
| * **Architectural and Civil Drafters (SOC 17-3011):** Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.
 |
| Entry-Level Educational Requirement: Associate's *degree* |
| Training Requirement: None |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 60*%* |
|  |
| * **Set and Exhibit Designers (SOC 27-1027):** Design special exhibits and movie, television, and theater sets. May study scripts, confer with directors, and conduct research to determine appropriate architectural styles.
 |
| Entry-Level Educational Requirement: Bachelor's *degree* |
| Training Requirement: None |
| Percentage of Community College Award Holders or Some Postsecondary Coursework: 29*%* |

# Occupational Demand

**Table 1. Employment Outlook for Interior Design Occupations in Bay Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation  | 2018 Jobs | 2023 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 25% Hourly Wage | Median Hourly Wage |
| Interior Designers |  5,358  |  5,445  | 88 | 2% |  2,626  |  525  | $18.87 | $29.14 |
| Drafters, All Other |  429  |  459  | 30 | 7% |  215  |  43  | $23.54 | $28.84 |
| Architectural and Civil Drafters |  4,311  |  4,633  | 322 | 7% |  2,191  |  438  | $25.27 | $30.16 |
| Set and Exhibit Designers |  552  |  566  | 14 | 3% |  277  |  55  | $18.49 | $26.94 |
| **Total** |  **10,649**  |  **11,103**  | **454** | **4%** |  **5,309**  |  **1,062**  | **$21.63** | **$29.43** |

*Source: EMSI 2019.3*

**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 Interior Design Occupations in Mid-Peninsula Sub-Region**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Occupation  | 2018 Jobs | 2023 Jobs | 5-Yr Change | 5-Yr % Change | 5-Yr Open-ings | Average Annual Open-ings | 25% Hourly Wage | Median Hourly Wage |
| Interior Designers |  1,918  |  1,910  | -8 | 0% |  895  |  179  | $22.76 | $31.49 |
| Drafters, All Other |  138  |  145  | 8 | 5% |  67  |  13  | $25.83 | $31.40 |
| Architectural and Civil Drafters |  1,432  |  1,511  | 79 | 6% |  693  |  139  | $27.20 | $32.23 |
| Set and Exhibit Designers |  230  |  229  | 0 | 0% |  108  |  22  | $19.84 | $28.72 |
| **TOTAL** |  **3,717**  |  **3,796**  | **79** | **2%** |  **1,763**  |  **353**  | **$24.41** | **$31.60** |

*Source: EMSI 2019.3*

**Mid-Peninsula Sub-Region** includes San Francisco and San Mateo Counties

### Job Postings in Bay Region and Mid-Peninsula Sub-Region

**Table 3. Number of Job Postings by Occupation for latest 12 months (January 2019 - December 2019)**

| Occupation | Bay Region | Mid-Peninsula |
| --- | --- | --- |
|  Drafters, All Other | 1,467 | 355 |
|  Interior Designers | 935 | 449 |
|  Architectural Drafters | 71 | 19 |
|  Set and Exhibit Designers | 68 | 36 |
|  **Total** | **2,541** | **859** |

*Source: Burning Glass*

**Table 4a. Top Job Titles for Interior Design Occupations for latest 12 months (January 2019 - December 2019) Bay Region**

|  |  |  |  |
| --- | --- | --- | --- |
| Common Title | Bay | Common Title | Bay |
| Interior Designer | 531 | Interior Design Assistant | 26 |
| Detailer | 233 | Computer Aided Drafting / Design  | 26 |
| Designer, Kitchen | 117 | Computer Aided Drafting / Design  | 20 |
| Design Consultant | 80 | Cad Drafter | 18 |
| Autocad Draughter | 77 | Drafter | 15 |
| Computer Aided Drafting / Design  | 75 | Computer Aided Drafting / Design  | 15 |
| Cad Draughter | 74 | Autocad Drafter | 14 |
| Computer Aided Drafting / Design  | 65 | Truss Designer | 13 |
| Computer Aided Drafting / Design  | 63 | Senior Designer | 13 |
| Kitchen Designer | 49 | Computer Aided Drafting / Design  | 13 |
| Computer Aided Drafting / Design  | 49 | Revit Designer | 12 |
| Engineer | 42 | Industrial Designer | 12 |
| Designer | 34 | Cadd Technician | 12 |
| Design Consultant, Information And Technology Industry | 29 | Autocad Designer | 12 |

**Table 4b. Top Job Titles for Interior Design Occupations for latest 12 months (January 2019 - December 2019) Mid-Peninsula Sub-Region**

|  |  |  |  |
| --- | --- | --- | --- |
| Common Title | Mid-Peninsula | Common Title | Mid-Peninsula |
| Interior Designer | 312 | Cadd Technician | 7 |
| Detailer | 130 | Cad Draughter | 7 |
| Design Consultant | 32 | Interior Design Coordinator | 6 |
| Autocad Draughter | 20 | Security Telecommunications Drafter | 5 |
| Computer Aided Drafting / Design  | 18 | Interior Design Project Manager | 5 |
| Kitchen Designer | 14 | Computer Aided Drafting / Design  | 5 |
| Interior Design Assistant | 14 | Truss Designer | 4 |
| Designer, Kitchen | 11 | Senior Designer | 4 |
| Designer | 10 | Junior Computer Aided Drafting / Design  | 4 |
| Computer Aided Drafting / Design  | 10 | Interior Design Reviewer | 4 |
| Design Consultant, Information And Technology Industry | 9 | Interior Design Lead | 4 |
| Engineer | 7 | Industrial Designer | 4 |
| Computer Aided Drafting / Design  | 7 | Cad Drafter | 4 |
| Computer Aided Drafting / Design  | 7 | Autocad Drafter | 4 |

*Source: Burning Glass*

# Industry Concentration

**Table 5. Industries hiring Interior Design Workers in Bay Region**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Industry – 6 Digit NAICS (No. American Industry Classification) Codes | Jobs in Industry (2018) | Jobs in Industry (2022) | % Change (2018-22) | % in Industry (2018) |
| Architectural Services (541310) | 1,866 | 1,999 | 7% | 18% |
| Graphic Design Services (541430) | 1,366 | 1,294 | -5% | 14% |
| Engineering Services (541330) | 1,349 | 1,398 | 4% | 13% |
| Interior Design Services (541410) | 1,153 | 1,320 | 14% | 12% |
| Landscape Architectural Services (541320) | 363 | 351 | -3% | 4% |
| Other Specialized Design Services (541490) | 271 | 321 | 18% | 3% |
| Industrial Design Services (541420) | 262 | 289 | 10% | 3% |
| Surveying and Mapping (except Geophysical) Services (541370) | 226 | 235 | 4% | 2% |
| Residential Remodelers (236118) | 176 | 209 | 19% | 2% |
| Building Inspection Services (541350) | 166 | 196 | 18% | 2% |
| New Single-Family Housing Construction (except For-Sale Builders) (236115) | 148 | 158 | 7% | 1% |
| Furniture Stores (442110) | 157 | 153 | -3% | 1% |

*Source: EMSI 2019.3*

**Table 6. Top Employers Posting Interior Design Occupations in Bay Region and Mid-Peninsula Sub-Region (January 2019 - December 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Employer | Bay | Employer | Bay | Employer | Mid-Peninsula |
| The Home Depot Incorporated | 118 | Bassett Furniture Industries | 12 | Enterprise Rent-A-Car | 69 |
| Enterprise Rent-A-Car | 82 | Sandia Corporation | 11 | Hertz Corporation | 30 |
| Apple Inc. | 52 | Hga Architects & Engineers | 11 | Peloros | 19 |
| Hertz Corporation | 50 | Ethan Allen | 11 | 3 Day Blinds | 13 |
| 3 Day Blinds | 36 | Hntb | 10 | Alamo | 12 |
| Peloros | 32 | Gilmans Kitchens And Baths | 10 | The Home Depot Inc | 11 |
| Jones Lang Lasalle Inc | 25 | Emcor Group | 10 | One Workplace | 11 |
| Restoration Hardware | 18 | Porcelanosa Usa | 9 | Perkins Eastman | 10 |
| Alamo | 18 | Global Channel Management, Inc | 9 | Wework | 8 |
| Tjg Civil Engineers And Land Planners | 17 | Wework | 8 | Living Spaces | 7 |
| Pivot Interiors | 17 | Ware Malcomb | 8 | Insidesource | 7 |
| One Workplace | 15 | Insidesource | 8 | Des Architects Engineers | 7 |
| Porcelanosa | 13 | Tjg Professional Consulting Services | 7 | Ware Malcomb | 6 |
| Perkins Eastman | 12 | Sargent & Lundy | 7 | Tjg Civil Engineers And Land Planners | 6 |
| Nelson | 12 | Essence Design | 7 | Hok | 6 |
| Living Spaces | 12 | Des Architects Engineers | 7 | Gilmans Kitchens And Baths | 6 |
| Lawrence Livermore National Laboratory | 12 | Ansys Incorporated | 7 | Bassett Furniture Industries | 6 |

*Source: Burning Glass*

# Educational Supply

There are eight community colleges in the Bay Region issuing 98 awards on average annually (last 3 years) on TOP 1302.00 - Interior Design and Merchandising. There are two colleges in the Mid-Peninsula Sub-Region issuing 47 awards on average annually (last 3 years) on this TOP code.

**Table 7. Awards on TOP 1302.00 - Interior Design and Merchandising in Bay Region**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| College | Sub-Region | Associates | Certificate 18+ units | Certificate Low unit | Total |
| Cañada College  | Mid-Peninsula | 11 | 33 |  | 44 |
| Chabot College  | East Bay | 2 | 2 |  | 4 |
| City College of San Francisco  | Mid-Peninsula | 3 |  |  | 3 |
| Las Positas College  | East Bay | 4 | 3 |  | 7 |
| Monterey Peninsula College  | Santa Cruz-Monterey | 2 | 2 | 1 | 5 |
| Ohlone College  | East Bay | 1 | 1 | 4 | 6 |
| Santa Rosa Junior College  | North Bay | 3 | 3 |  | 6 |
| West Valley College | Silicon Valley | 9 | 13 | 1 | 23 |
| **Total Bay Region** | **35** | **57** | **6** | **98** |
| **Total Mid-Peninsula Sub-Region** | **14** | **33** | **0** | **47** |

# *Source: Data Mart*

Note: The annual average for awards is 2015-16 to 2017-18.

# Gap Analysis

Based on the data included in this report, there is a labor market gap in the Bay region with 1,062 annual openings for the Interior Design occupational cluster and 98 annual (3-year average) awards for an annual undersupply of 964 students. In the Mid-Peninsula Sub-Region, there is also a gap with 353 annual openings and 47 annual (3-year average) awards for an annual undersupply of 306 students.

# Student Outcomes

**Table 8. Four Employment Outcomes Metrics for Students Who Took Courses on TOP 1302.00 - Interior Design and Merchandising**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2015-16 | Bay (All CTE Programs) | City College of San Francisco (All CTE Programs) | State (1302.00) | Bay (1302.00) | Mid-Peninsula (1302.00) | City College of San Francisco (1302.00) |
| % Employed Four Quarters After Exit | 74% | 72% | 57% | 58% | 46% | N/A |
| Median Quarterly Earnings Two Quarters After Exit | $10,550 | $10,170 | $9,957 | $9,936 | $11,866 | N/A |
| Median % Change in Earnings | 46% | 31% | 50% | 53% | 18% | N/A |
| % of Students Earning a Living Wage | 63% | 65% | 49% | 56% | 53% | N/A |

*Source: Launchboard Pipeline (version available on 1/27/20)*

# Skills, Certifications and Education

**Table 9. Top Skills for Interior Design Occupations in Bay Region (January 2019 - December 2019)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Skill | Postings | Skill | Postings | Skill | Postings |
| AutoCAD | 1,205 | 3D Modeling / Design | 216 | Microstation | 111 |
| Interior Design | 719 | Floor Plans | 214 | Mechanical Design | 110 |
| Computer Aided Drafting/Design (CAD) | 617 | Adobe Creative Suite | 200 | Shop Drawings | 106 |
| Revit | 448 | Adobe Illustrator | 185 | Engineering Drawings | 100 |
| Project Management | 404 | Project Design | 184 | Drawing Files | 97 |
| Customer Service | 369 | Sales | 175 | PTC Creo | 97 |
| Adobe Photoshop | 366 | Process Design | 171 | Engineering Design and Installation | 94 |
| Budgeting | 344 | Purchasing | 166 | Quality Assurance and Control | 90 |
| Scheduling | 341 | Interior Architecture | 149 | Design Software | 88 |
| SketchUp | 312 | Cleaning | 148 | Lifting Ability | 88 |
| Adobe Indesign | 277 | Sales Goals | 136 | Schematic Diagrams | 86 |
| Space Planning | 245 | Plumbing | 124 | Engineering Design | 84 |
| Calculation | 231 | SolidWorks | 121 | Product Development | 83 |
| Customer Contact | 225 | Building Codes | 117 | Schematic Design | 83 |
| Adobe Acrobat | 218 | Mechanical Engineering | 112 | Autodesk | 82 |

*Source: Burning Glass*

**Table 10. Certifications for Interior Design Occupations in Bay Region (January 2019 - December 2019)**

Note: 78% 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.

|  |  |  |  |
| --- | --- | --- | --- |
| Certification | Postings | Certification | Postings |
| Driver's License | 333 | National Council For Interior Design Qualification (NCIDQ) Certified | 8 |
| Interior Design Certification | 41 | Drafting and Design | 8 |
| AutoCAD Certification | 39 | Registered Cardiac Sonographer | 6 |
| Security Clearance | 28 | Registered Architect | 6 |
| LEED AP | 27 | Licensed Professional Surveyor | 6 |
| Project Management Certification | 25 | Licensed Professional Engineer | 6 |
| Leadership In Energy And Environmental Design (LEED) Certified | 23 | CDL Class C | 6 |
| Contractors License | 20 | Project Management Professional (PMP) | 5 |
| Computer Aided Design (CAD) Certification | 13 | Financial Risk Manager (FRM) | 4 |
| National Council of Architectural Registration Boards (NCARB) | 11 | Civil Engineering Certificate | 4 |
| Architecture License | 10 | Registered Interior Designer | 3 |
| American Board for Engineering and Technology (ABET) Accredited | 9 | Registered Communications Distribution Designer (RCDD) | 3 |

*Source: Burning Glass*

**Table 11. Education Requirements for Interior Design Occupations in Bay Region**

Note: 47% of records have been excluded because they do not include a degree level. As a result, the chart below may not be representative of the full sample.

|  |  |  |
| --- | --- | --- |
| Education (minimum advertised) | Latest 12 Mos. Postings | Percent 12 Mos. Postings |
| High school or vocational training | 262 | 20% |
| Associate Degree | 232 | 17% |
| Bachelor’s Degree or Higher | 837 | 63% |

*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 CCCCO Data Mart.

# Sources

O\*Net Online

Labor Insight/Jobs (Burning Glass)

Economic Modeling Specialists International (EMSI)

CTE LaunchBoard [www.calpassplus.org/Launchboard/](http://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

For more information, please contact:

* Doreen O’Donovan, Research Analyst, for Bay Area Community College Consortium (BACCC) and Centers of Excellence (CoE), doreen@baccc.net or (831) 479-6481
* John Carrese, Director, San Francisco Bay Center of Excellence for Labor Market Research, jcarrese@ccsf.edu or (415) 267-6544