Computer Information Systems – Labor Market Information

**TOP Code:** **070200 -** Computer Information Systems

**SOC Codes:** **113021 -** Computer and Information Systems Managers; **151111 -** Computer and Information Research Scientists; **151121 -** Computer Systems Analysts; **151122 -** Information Security Analysts; **151132 -** Software Developers, Applications; **151133 -** Software Developers, Systems Software; **151143 -** Computer Network Architects

**Summary Based on Demand and Supply:** The following tables illustrate the total supply and demand for occupations within the Computer Applications Software discipline at Las Positas College. The Centers of Excellence Community College Consortia (COECCC) data projects **9933 annual Computer Information Systems based job openings** between 2015-2018. The COECCC data reports a total of **48 Computer Information Systems completers per year** from 2012 to 2016, **yielding a demand of 9885 openings per year of the combined occupations** (SOC Codes). Geographic Coverage: SF Bay Area. (Source: Data compiled by and used with the permission of the Centers of Excellence Community College Consortia. More information available at www.COECCC.net.)

DEMAND

**Typical Entry Level Education**

**Occupational Title**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SOC Code**   |  | | --- | |  | |  |  | **2015 Jobs** | **2018 Jobs** | **2015-18 Change** | **% Change 2015-18** | **Openings (New + Replace-ments)** | **Annual Openings** | **Median Hourly Earnings** |
| 11-3021 | Computer and Information Systems Managers | Bachelor's degree | 26,236 | 29,208 | 2,972 | 11.3% | 3,987 | 1,329 | $90.37 |
| 15-1111 | Computer and Information Research Scientists | Doctoral or professional degree | 3,273 | 3,574 | 300 | 9.2% | 439 | 146 | $68.69 |
| 15-1121 | Computer Systems Analysts | Bachelor's degree | 35,956 | 41,000 | 5,044 | 14.0% | 6,590 | 2,197 | $57.47 |
| 15-1122 | Information Security Analysts | Bachelor's degree | 3,178 | 3,765 | 587 | 18.5% | 728 | 243 | $65.15 |
| 15-1132 | Software Developers, Applications | Bachelor's degree | 78,136 | 88,973 | 10,837 | 13.9% | 14,548 | 4,849 | $70.75 |
| 15-1134 | Web Developers | Associate degree | 10,776 | 12,655 | 1,878 | 17.4% | 2,349 | 783 | $47.30 |
| 15-1143 | Computer Network Architects | Bachelor's degree | 7,318 | 8,112 | 794 | 10.8% | 1,158 | 386 | $72.14 |
| **Grand Total** |  |  | **164,874** | **187,286** | **22,411** | **13.6%** | **29,799** | **9,933** | **$69.36** |

SUPPLY

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Note: Preliminary data for Other Ed. Institutes - #s may change** | **Note: Preliminary data for Community Colleges - #s may change** |  |
|  |  |  |  |
|  |  |  |  |
| **TOP6 - Program Title**   |  | | --- | |  | | **2012-13** | **2013-14** | **2014-15** | **2015-16** | **Latest 3 Yr Avg** |
| **070200 - Computer Information Systems** |  |  |  |  |  |
| **Alameda** |  | **5** | **5** | **4** | **5** |
| **Berkeley City** |  | **-** | **-** | **-** | **-** |
| **Chabot Hayward** |  | **1** | **1** | **2** | **1** |
| **Evergreen Valley** |  | **2** | **1** | **2** | **2** |
| **Gavilan** |  | **-** | **1** | **-** | **0** |
| **Las Positas** |  | **1** | **2** | **1** | **1** |
| **Los Medanos** |  | **-** | **2** | **1** | **1** |
| **Marin** |  | **2** | **-** | **3** | **2** |
| **Merritt** |  | **-** | **-** | **11** | **4** |
| **Mission** |  | **-** | **3** | **10** | **4** |
| **Napa** |  | **-** | **1** | **4** | **2** |
| **Skyline** |  | **1** | **2** | **2** | **2** |
| **Empire College** | **23** | **30** | **21** |  | **25** |
| **070200 - Computer Information Systems Total** | **23** | **42** | **39** | **40** | **48** |
| **Grand Total** | **23** | **42** | **39** | **40** | **48** |